

Victorian Water Supply Heritage Study

Volume 1: Thematic Environmental History

**Final Report
31 October, 2007**

CONTEXT

**Prepared for
Heritage Victoria**

Authorship

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Report Register

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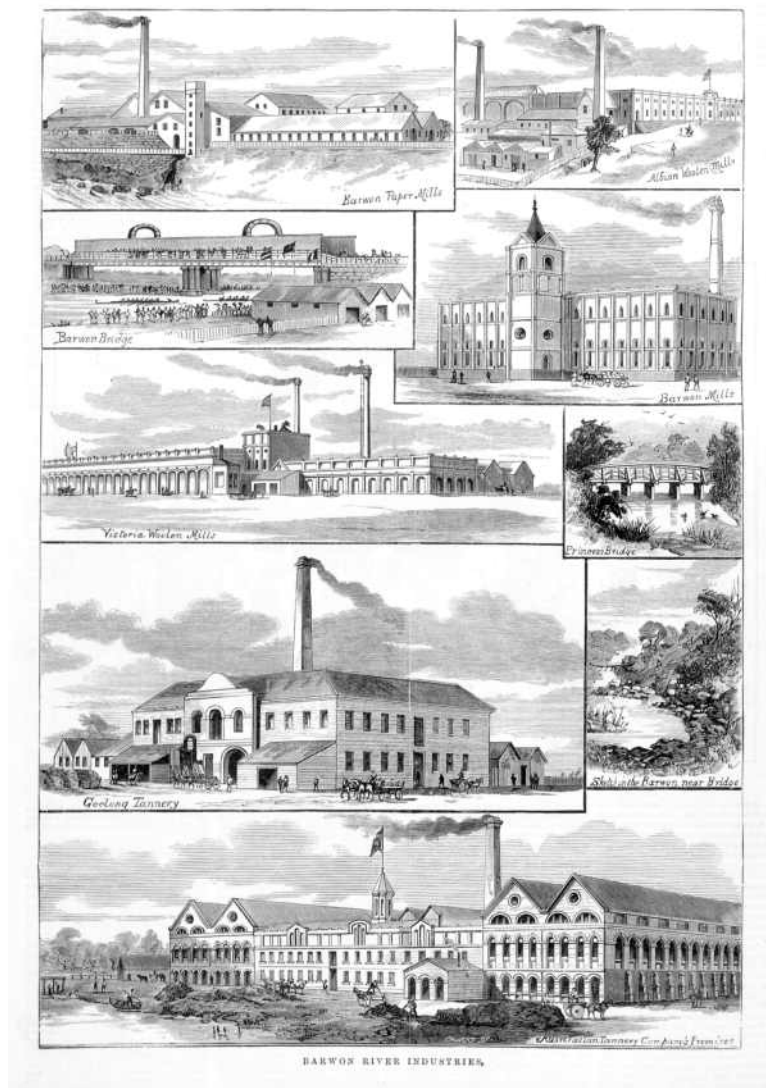
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Barwon River Industries

[SLV
IAN01/05/91/12]

**Figure
i**



*Anderson's Mill,
Smeaton (showing detail
of water wheel)*

John T. Collins

[SLV H98.251/702 &
H98.251/705]

**Figure
ii**

PREFACE

The *Victorian Water Supply Heritage Study Volume 1: Thematic Environmental History* is the first output of the Victorian Water Supply Heritage Study project. Further stages of the project are described below.

As described in the following section, this environmental history provides an explanation of the themes and activities that have been important in shaping the State's water supply heritage. It provides a context for the assessment of places and objects of State and local heritage significance. It also provides linkages to the Australian Historical Themes (AHT), which are listed in Appendix 3.

Terminology

The terms used throughout this report are consistent with the Burra Charter: *The Australia ICOMOS Charter for Places of Cultural Heritage Significance*. A glossary of some key Burra Charter terms and their meanings as well as technical terms associated with water supply activities, is provided at Appendix 1.

ACKNOWLEDGEMENTS

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Steering Committee

Members of the Steering Committee for the project:

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- Paul Balassonne (Melbourne Water)
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Water authorities

- Melbourne Water
- Barwon Water
- Central Highlands Water (Peter Blackburn and Rosalie Polowski)

- Coliban Water (Rob Krober)
- East Gippsland Water (Dean Boyd)
- Goulburn Valley Water (Melinda Malcolm)
- Grampians Wimmera Murray Water
- North East Water (Terry Wisener)
- South Gippsland Water (Ros Griggs, Public Relations)
- Wannon Water (Andrew Jeffers and Nora Walsh)
- Westernport Water

Local historical societies

- Birchip Historical Society (Dorothy Green)
- Buninyong Historical Society (Anne Beggs-Sunter)
- Daylesford Historical Society (David Endacott)
- Footscray Historical Society (Frances)
- Horsham Historical Society (Lindsay Smith)
- Jamieson Historical Society (Marion McRostie)
- Katandra and District History Group (Garry Wallden)
- Keilor Historical Society (Susan Jennison)
- Knox Historical Society (Steve Flemming)
- Little River History Group Inc. (Les Sanderson, President)
- Nepean Historical Society (Janet South)
- Newstead Historical Society (Dawn Angliss)
- Somerville Tyabb & District Historical Society (Brenda Thornell)
- Swan Hill Historical Society
- Warrnambool & District Historical Society (Elizabeth O'Callaghan)
- Whitehorse Historical Society (Valda Arrowsmith)
- Winchelsea & District Historical Society (Geoff Mathison)
- Woodend & District Historical Society (Janet Hawkins)
- Yarra Glen & District Historical Society (Mr Leigh D. Ahern)

INTRODUCTION

Purpose

The *Victorian Water Supply Heritage Study* (the study) was commissioned by Heritage Victoria. The purpose of the study is to prepare:

- A thematic environmental history of water supply in Victoria; and
- A desktop survey of Victoria's water supply systems and sites as the first part of an in-depth examination of the heritage of Victoria's water supply infrastructure.

The study is to provide land managers and water authorities with a better understanding and appreciation of the value of its water-related heritage assets, in order to guide their future conservation and management.

These actions flow from the Victorian Government's heritage strategy, *Victoria's Heritage: Strengthening our Communities*, which recognises and emphasises the importance of thematic and typological studies as important tools for heritage conservation in the context of land development pressures.

Heritage Victoria, in conjunction with Melbourne Water, seeks to use this study as the basis for identifying sites and points of focus for future regional water heritage studies.

The output to this project will be a practical tool, providing its future anticipated users with:

- A concise and detailed thematic environmental history of water catchments, storage, supply and distribution in Victoria.
- A comprehensive list of places of potential and identified cultural significance relating to water supply systems and sites in Victoria.
- A complete database of these items, accessible via the HERMES database, with each entry identified by site number, name, GPS location, historic theme, and GIS map.

Background

There has been no State-wide comprehensive heritage survey and/or studies into water and its associated supply systems in Victoria to date. Given the size, extent and nature of water supply infrastructure in Victoria, consideration of any element or site must be approached from the broader perspective of water supply and delivery systems developed throughout Victoria. It must equally take note of the forces, events, stories and technical advances that have influenced the development of Victoria's water infrastructure.

While various Municipal studies have identified elements relating to water supply in their respective districts, the overall benefit of such localised studies is difficult to realise without a comprehensive study to provide a comprehensive understanding of their historical context.

In light of the drive to secure a stable water supply for the State in the face of continuing environmental and economic pressures, and the range of major projects (under consideration, or currently underway) relating to water distribution, catchments, and storage, there is a need for a thorough survey of the heritage of Victoria's water infrastructure to assist in identifying, preserving and managing related heritage assets.

Outcomes

A comprehensive historical and typological study of water heritage across the State is the first step to producing a tool that will:

- Assist Heritage Victoria, land managers and water authorities to understand and appreciate the value of water-related heritage throughout the State; and

- Provide a knowledge base and reference point to assist future studies of water infrastructure in regional and metropolitan areas.

The project's second stage will comprise detailed studies into the heritage of water supply across regional Victoria, the first of which will be an in-depth survey of the heritage assets of Melbourne Water. It is understood that this study, independently commissioned by Melbourne Water, will serve as a model report for future regional water supply studies.

Study Area

The study area is the State of Victoria. Key features of the study area are illustrated on the *Map of Victorian Water Supply*, shown opposite.

The scope of the study does not extend to all sites and activities involving water; hydro-electricity generation, recreation on fresh water, transport on fresh water, and sewerage works are not included. The study will cover water supply infrastructure that served domestic purposes, including private schemes on farms, and will extend to towns and larger regional schemes.

Identifying the historic themes for Victoria's water supply history

The themes used in this environmental history have been adapted from the *Australian Historic Themes* (AHT) set down as guidelines by the Australian Heritage Council (AHC). A list of the AHT is provided in Appendix 3. The AHC notes that:

The consistent organising principle for the Thematic Framework is activity. By emphasising the human activities that produced the places we value, and the human response to Australia's natural environment, places are related to the processes and stories associated with them, rather than to the type or function of place.

The themes for the study follow the model set down by the AHC in that they are 'active' concepts that mark specific and distinct activities, and are loosely but not exclusively chronological. Like the AHT, the themes for Victoria's water supply history, taken together, attempt to provide as far as possible a comprehensive overview of a much bigger and more complicated story. A table showing the relationship between the AHT and the Victorian water supply themes is provided in Appendix 3a of this report.

Developing the thematic framework involved the following key steps:

- A draft set of historic themes was identified after the initial research phase of the project, which was broad-based in its scope in terms of time-frame and locality. The themes drawn out from this research took into account the parallel concerns of social and economic change, and technological and industrial developments, but needed to remain relevant to a broad time scale rather than present a strictly linear, chronological story.
- As more detailed research of Victoria's water supply history was carried out in the course of the project, it was evident that this history could be reasonably accommodated into seven major themes, with some minor amendments.

The seven major themes that form the basis of the chapters in this report seemed the best way of characterising and explaining the particular history of the diverse and complicated system of water supply in Victoria, which itself embodied so many overriding yet inter-related aspects of Victoria's history, including exploration, exploitation of natural resources, agriculture, transport, industrial development and innovation, government and institutional administration, urban development, hydrology, social and economic change, tourism and recreation, adapting to the environment, and heritage and conservation concerns.



Map of Victorian Water Supply (map built online at Victoria Water, 2007)

OVERVIEW

Proclaimed a British colony in 1851, just as the excitement of gold fever erupted, Victoria held grand visions of its future progress. The popular view was that this was a promised land, an ‘Australia Felix’ - of bountiful gold and agricultural richness.¹ Subsequent observers through the nineteenth century and into the twentieth continued to lavish praise on the country - for its natural beauty and rich natural resources; with its large-scale agricultural development, Victoria was described as a garden and a yeoman’s paradise. In reality, however, the natural fertility of the colony of Victoria extended only to a limited area, including the thin rim along the seaboard and in the high river valleys of the north-east. Moreover, seasons were often unpredictable and drought, or ‘water famine’, as it was sometimes called, could be catastrophic. As one journalist explained in the 1880s, ‘the terror of the Australian settler is a drought. Even in his moments of utmost prosperity he has his anxieties about the next season.’² The harnessing of a reliable water supply, and its effective distribution and use, was therefore vital for the success of European settlement in Victoria.

The *raison d’être* of colonial settlement was for progress and development through the exploitation of natural resources. Water was the critical resource - for domestic needs, agriculture, and industrial development. Since Classical times, the development of an artificial means of storing and distributing water was critical to the notion of material progress, and the image of an advanced and civilised city.

Throughout the colony, water supply was initially procured on an ad hoc basis by private individuals, or collectively in small settlements, with varying levels of success. Inevitably, extensive public projects were required to serve the larger centres of population. The means with which this could be achieved depended upon the engineering talent of the resident population; a ready labour force; sufficient public revenue; and an effective system of organisation and management. As populations grew, local authorities augmented their water supplies accordingly by extending catchment areas; building additional holding reservoirs and enlarging existing storages; increasing the outflow; and extending urban reticulation. Where settlements fell into decline, or where water shortage itself was a chief cause of a failed settlement, elements of early water supply schemes were often left disused and abandoned. Where water was readily available, it became the source of embellishing the ‘garden state’ with parks, gardens, plantations, while at the same time, at reservoir reserves like Maroondah in the Yarra Valley, it was in fact the inspiration for doing so. In the 1950s, the sheer, awe-inspiring vastness of the reservoirs at Upper Yarra and Eildon represented the triumph of modern engineering over nature. Just as Yan Yean had been celebrated in the 1850s, these reservoirs were spectacles in themselves, and so became places for tourism and recreation.

The development of water supplies both shaped, and was shaped by, the development of Victoria as a whole. Where water could be easily tapped and stored, settlements flourished. Some settlements comprised workers and their families, as at Yan Yean in the 1850s, at Murchison in the 1860s-70s, and at Lake Eildon and Upper Yarra in the 1950s. In irrigation districts, water brought permanent communities, and several state schools names reflect their localities and their very reason of being: for example those at Glenmaggie Weir and Eppalock Weir.³ Hotels also opened up where new waterworks were being developed; this satisfied the demand of workers on the new schemes, but also, later, helped to boost local tourism.

1 In 1834, the explorer Major Thomas Mitchell had christened the western plains as an ‘Australia Felix’ on account of the fertile appearance of the country.

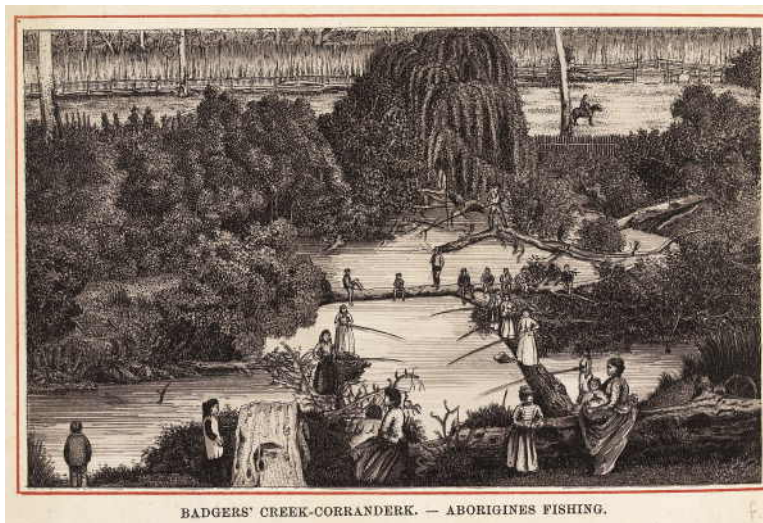
2 Willoughby, *Drawn with Pen and Pencil* (1886), p. 24.

3 For Glenmaggie Weir State School (1922), see *The Gap Magazine*, special edition, 1985, p 96; for Eppalock Weir State School No. 4898, see Les Blake, *Vision and Realisation* (Melbourne, 1971), vol. 2, p. 588.

As Andrea Gaynor has recently pointed out, the history of water supply has close links with broader historical themes in Australia's development. A successful water supply system represented one of the key objectives of colonial settlement: the triumph of man over the natural environment. Efforts (and failures) to improve the water supply in the city and country areas were caged in language about national identity, the 'British race', progress, and the resourcefulness and stoicism of the Australian settler.⁴

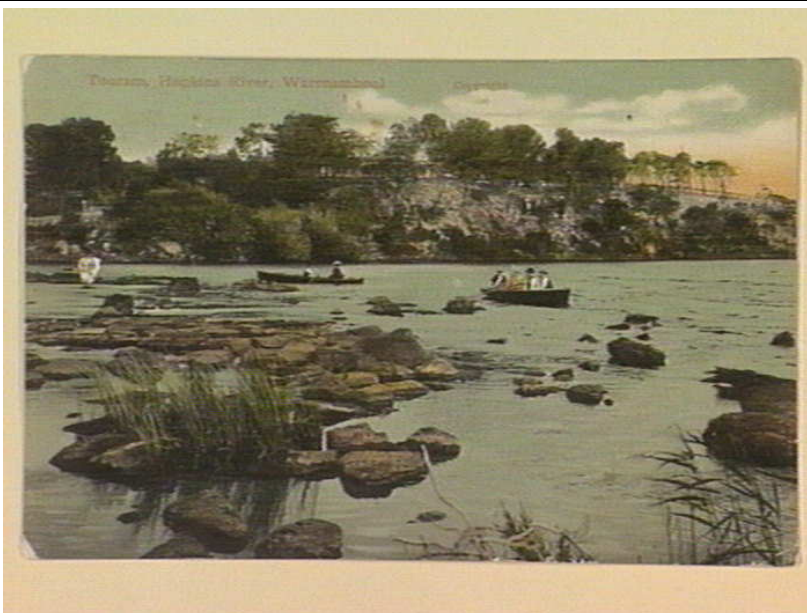
In more recent years, faced with issues such as climate change and environmental degradation, the building of new dams and even the maintenance of existing irrigation systems has been questioned. Water supply systems in Victoria are now managed with a greater emphasis on sustainable development. All water authorities pay closer attention to environmental and conservation issues, and heavily promote water conservation at a local level.

⁴ *West Australian*, 25 March 2006.



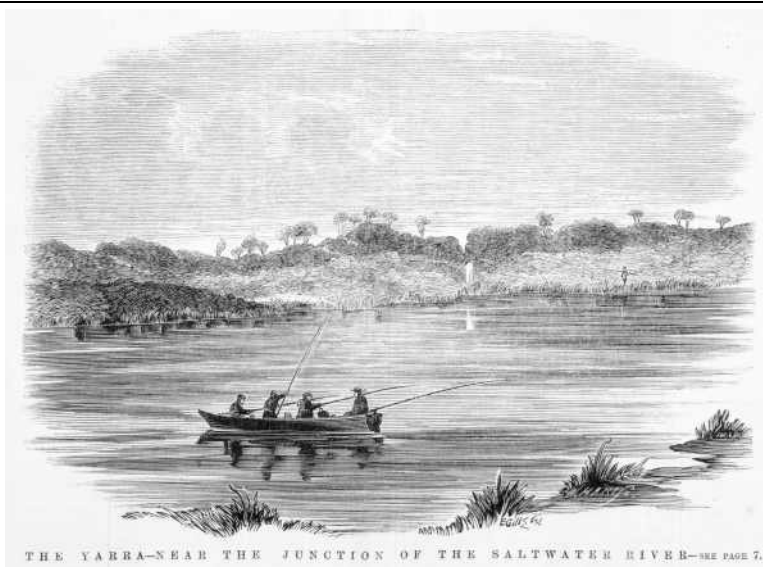
*Aborigines fishing at
Badger's Creek,
Corranderrk Mission, near
Healesville c.1888*
[SLV AN H83.321]

**Figure
1**



*Tooram Stones,
Warrnambool, postcard
dated c.1907.*
The Tooram Stones on
the Hopkins River at
Warrnambool is an
Aboriginal fishing site
that became a popular
recreational place for
settlers in the late
nineteenth century
[SLV H90.160/358]

**Figure
2**



*The Yarra near the
Junction of the
Saltwater River*
(Walter Hart, 18
March 1865)
[SLV IAN18/03/65/4]

**Figure
3**

1. SOURCING WATER IN EARLY SETTLEMENT

This theme examines both the ways in which the search for water shaped patterns of early settlement in Victoria, and the kinds of water sources used. It also looks at water use in gold-mining. This theme also addresses the conflict between settlers and Aborigines over access to land and water, and recognises that Aboriginal people continued to draw on ancient knowledge about water sourcing long after settlers arrived, and that settlers often benefited from this knowledge. Finally, this theme recognises transport and transport routes as being shaped by and reliant on the availability of water in the early settlement period. This theme is important because it recognises the integral role of water supply in the spatial patterns and cultural experiences of the early settlement period.

This chapter incorporates the following Australian Historic Themes:

AHT	2.1 Living as Australia's earliest inhabitants; 2.2 Adapting to diverse environments; 2.5 Promoting settlement; 2.6 Fighting for land; 3 Developing local, regional and national economies; 4 Building settlements, town and cities, especially 4.1, 4.2.
-----	---

1.1 Appropriating Aboriginal water supplies

Rivers, lakes and other natural water sources shaped the layout of the new and relatively uncharted country, and were the defining marks on settlers' early maps and charts. Settlers' efforts to harness water, with the sinking of wells and building of dams, weirs and tanks, were superimposed over an ancient knowledge of water supply that belonged to the Aboriginal people of the country.

When Europeans invaded the country that became Victoria, the Aboriginal people who had lived in harmony with the land for countless generations were displaced with tragic consequences. Their way of life was intrinsically tied to the land and water of their 'country'; the natural environment provided both physical and spiritual nourishment. Lakes and waterways were integral to daily activities, such as drinking, fishing, hunting, swimming, camping and ceremonies. Aborigines built stone weirs and fish traps on many rivers and lakes. On the floodplains of Lake Condah in western Victoria, they constructed an intricate network of stone channels to harvest fish. Many of these structures have been lost, but some were appropriated by European settlers in the post-contact period, such as the stone weir across the Saltwater (Maribyrnong) River that Charles Grimes encountered in 1803.⁵ For Aborigines, water sites were inextricably connected to life's meaning and as such had powerful cultural associations. Many Aboriginal groups told Dreaming stories about special places, and believed that mythic creatures like the Bunyip haunted particular lakes and waterholes. There is also evidence that waterways and lakes defined the boundaries of tribal groups, and so had a bearing on social organisation and trade routes.⁶

The arrival of Europeans with their herds of hoofed animals caused irreversible damage to the delicate environment. Pastoralism destroyed the native pastures, eroded the creek and river banks, and silted up and polluted the chains of waterholes. Rising silt made the waterholes and rivers shallower, which contributed to evaporation. As settlement spread, these water sources became increasingly contaminated and less reliable.⁷

For a time, Aborigines continued to camp at their traditional campsites along rivers and lakes, where they kept up their traditional ceremonies and corroborees. It was on the banks of the

5 Susan Jennison, *Keilor's Heritage* (Keilor & District Historical Society, 1997), p. 82.

6 See Ian Clark, *Scars in the Landscape* (1995); J.M. Powell, *Watering the Garden State* (Allen & Unwin, Sydney, 1989), pp. 23-24.

7 Michael Cannon, *Life in the Country* (1973), p. 219.

Merri Creek, for example, that the signing of John Batman's 'Treaty' with the Wurundjeri is thought to have taken place in 1835. Squatters generally established their new homes close to watercourses and lake banks, often on Aboriginal camping sites, where food and water were available, as well as shelter and elevation. In some cases, the newcomers shared access to water with the Aborigines who remained in their traditional country.⁸

During the period of conflict between settlers and Aborigines, in the 1830s and 1840s, there were various incidents that involved competition over access to water. At the typical squatting station, there was one waterhole reserved for settlers' domestic use and another for stock. As Ian Clark explains, 'these were considered out of bounds to local clans people' and any transgressions by Aborigines had serious repercussions.⁹

Massacres of Aborigines sometimes occurred at or near sources of water supply. The white perpetrators of massacres often threw the bodies of murdered Aborigines into waterholes or lakes, presumably for ease of disposal. In western Victoria, a number of place names are a reminder of these tragic events - for example, 'Fighting Waterholes'; Lubra Creek (where a number of Aboriginal women were killed); Waterloo Creek; Piccaninny Waterhole; and 'The Blood-Hole'.¹⁰

By the 1860s, many Aboriginal people had been forcibly removed from their traditional lands and waterways. The missions and government reserves they were moved to, such as Yelta, Merri Creek, Mount Franklin, Ramahyuck, Lake Condah, Framlingham, Coranderrk and Lake Tyers, were generally provided with access to water. All over Victoria, the waterways were appropriated for use by settlers, townships and farming. New reservoirs and dams often supplanted an ancient waterhole or swamp. Some settlers relied on local Aborigines' knowledge of the country to select the best spot to sink a well.¹¹ Some of these sites had probably once been important ceremonial sites. The Yan Yean reservoir, for example, was built over Ryders Swamp, which was an initiation site for young men.¹²

In the aftermath of dispossession, shadowy reminders of the intrinsic importance of water to the Aboriginal people of Victoria remained, particularly in place names. While European settlers often named the rivers after explorers and statesmen (for example, Murray, Hopkins, Thomson), or after other places, such as Goulburn and Glenelg, the lakes on the other hand, especially those in western Victoria, were often given Aboriginal names, such as Corangamite, Keliambete, Purrumbete, Burrumbete, Colac and Bolac. Similarly, a large number of settlement sites were given appropriated Aboriginal names whose meanings were associated with water, for example Colac, Echuca, Lal Lal and Mooroopna.¹³

When the British claimed Australia as their own territory in 1770, they believed they were taking possession of all the land - and, by implication, all the waterways - of the eastern seaboard. While the legality of this land grab remains contentious in itself, the question of

8 There are many examples of shared country, and shared access to water in Victoria in the 1840s, for example at John Eddington's Ballangeich station, near Mortlake. Ian Clark also makes this point in Ian D. Clark, *That's My Country Belonging to Me* (Heritage Matters, Melbourne, 1998), p. 157.

9 Ian D. Clark, *That's My Country Belonging to Me* (Heritage Matters, Melbourne, 1998), pp. 155-56.

10 Ian Clark, *Scars in the Landscape* (1995), pp. 24, 26, 97, 141.

11 Note, for example, the intriguing story of Creswick's Well, sunk near Marnoo in 1866; see A.W. Glencross, *The History of Creswick's Well* (Marnoo, 1915).

12 Tony Dingle and Helen Doyle, *Yan Yean: The history of Melbourne's early water supply* (2003), p. 12.

13 Les Blake, *Place Names of Victoria* (Rigby 1977), pp. 68, 90, 155, 179. 'Mooroopna is named after a "big [deep] waterhole" in the Goulburn River.' [Cannon, *Vagabond Country*, p.30]

ownership of the associated waterways is also unresolved.¹⁴ Since the 1970s, the Victorian Government has reserved land through legislation for Aboriginal people in Victoria, including land reserved for the Framlingham and Lake Tyers Aboriginal trusts, and more recently through the recognition of native title for the Gunditjmara people of south-west Victoria, and the Wotjobaluk, Jaddwa, Jadawadjali, Wergaia and Jupagulk peoples of the Wimmera region. On many waterways, Aboriginal groups have also been granted fishing rights. More recently, Aboriginal communities have been successful in negotiating 'Indigenous Land Use Agreements' in relation to the use of the land and waterways. One such agreement of 2004 between the Yorta Yorta Nation Aboriginal Corporation and the State of Victoria relates to the management of Crown land and waters over a total area of approximately 50,000 hectares in northern Victoria, and includes the waters and waterfront lands of the Murray and Goulburn Rivers.¹⁵

Heritage – Theme 1.1: Appropriating Aboriginal water supplies

- Dights Falls, Yarra River
- Fishing sites, Hopkins River, Framlingham
- Lake Condah fishing site, Lake Condah (1830s-40s), now part of Budj Bim National Heritage Landscape (National Heritage List)
- Tooram Stones, Hopkins River, Warrnambool
- Saltwater River weir site, near Footscray
- Whroo Rock Well, Whroo
- Buckley's Well, near Noble Rocks at Breamlea

1.2 Sourcing water for early settlement

The first official attempt at settlement was in 1803-04, when David Collins and some convicts from Van Diemen's Land established a camp at Sullivan's Bay, near present-day Sorrento. This site was soon abandoned due to a lack of fresh water. Wooden casks had been sunk in the sand, but these brought up brackish water that was only marginally drinkable.¹⁶

Pastoralists in Van Diemen's Land, hungry for new grazing lands in the 1830s, eyed the rich country across Bass Strait and made plans to settle illegally. The Hentys made their home at Portland Bay in 1834, and the rival parties of John Batman and John Pascoe Fawkner settled on the Yarra River - the present site of Melbourne - in 1835. The success of the Yarra settlement lay partly in its reliable supply of fresh water. The river was critical both for domestic needs and as a means of transport, as John Batman noted in 1835: "the large river ... comes from the east, and I am glad to state about six miles up found the river all good water and very deep. This will be the place for a village."¹⁷ The settlement's main water collection point was above 'The Falls' (near present-day Queenbridge), where a ledge of rocks marked the point of change from salt water to fresh water. The Wurundjeri had long used this same spot to

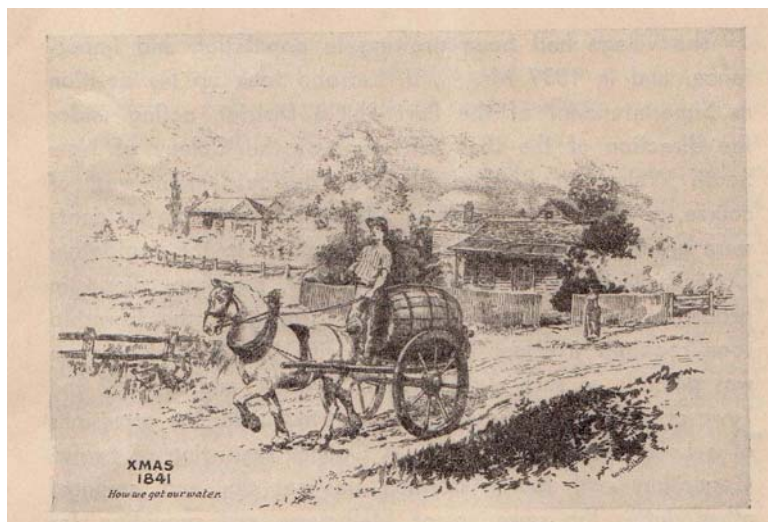
¹⁴ See, for example, Virginia Newell, 'Property rights in groundwater?', *Indigenous Law Bulletin*, vol. 4, no. 24, October 1999, at <http://www.austlii.edu.au/journals/ILB/1999/77.html>.

¹⁵ *Age*, 1 May 2004 (this is known as Yorta Yorta Co-operative Management Agreement). Another recent land use agreement is in Glenelg (David Rhodes, archaeologist, Heritage Insight, pers. com., 15 August 2007).

¹⁶ Janet South, Archivist, Nepean Historical Society, pers. com., 20 August 2007.

¹⁷ Cited in Ernest Scott, *A Short History of Australia*, chapter 19 (Oxford University Press, London, 1916); Jessop, 'An Historical Survey' (1942), p. 5.

trap fish and also as a crossing point. It took only a few years for the once pristine Yarra River to be polluted with the filth of human settlement. Regardless, water continued to be collected from the river by water carriers, and later by a pump system, well into the early 1850s.



'Xmas 1841. How we got our water in the Pre Yan-Yeanite Era picture', sketched by Robert Russell, 1841

Figure 4

[SLV H24493]

The first water supply at Geelong came from a dam on the Barwon River. An improved 'Breakwater' was completed in 1840, but this faced various problems.¹⁸ At Portland, wells had been sunk close to the township by 1840 and a reliable spring (later known as 'The Pumps') was discovered in 1843.¹⁹

The steady stream of settlers, who arrived from Tasmania and, later, trekked overland from New South Wales, took up grazing land under a pastoral license system. They keenly sought runs that were close to fresh water - on a river or creek, a freshwater lake, or near a spring or waterhole. In selecting a site, water courses were often used to mark the boundary of a run. A c.1850 map of the State of Victoria prepared by Robert Hoddle (see Figure 5) shows pastoral runs in the south-west of Victoria clustered around water features such as Lake Colac.

Knowledge of water supplies was conveyed by word of mouth or in the few rough maps of the new settlement. They also relied on the knowledge of Aboriginal guides to direct them to water.²⁰ In their overland treks, they carried waterbags, which were shaped like a small Gladstone bag 'with a screw-topped china pourer in one end', and which cooled by evaporation.²¹ The search for a reliable source of fresh water was a fundamental motive in the choice of settlement site, and typically became a key theme in the stories that squatting families

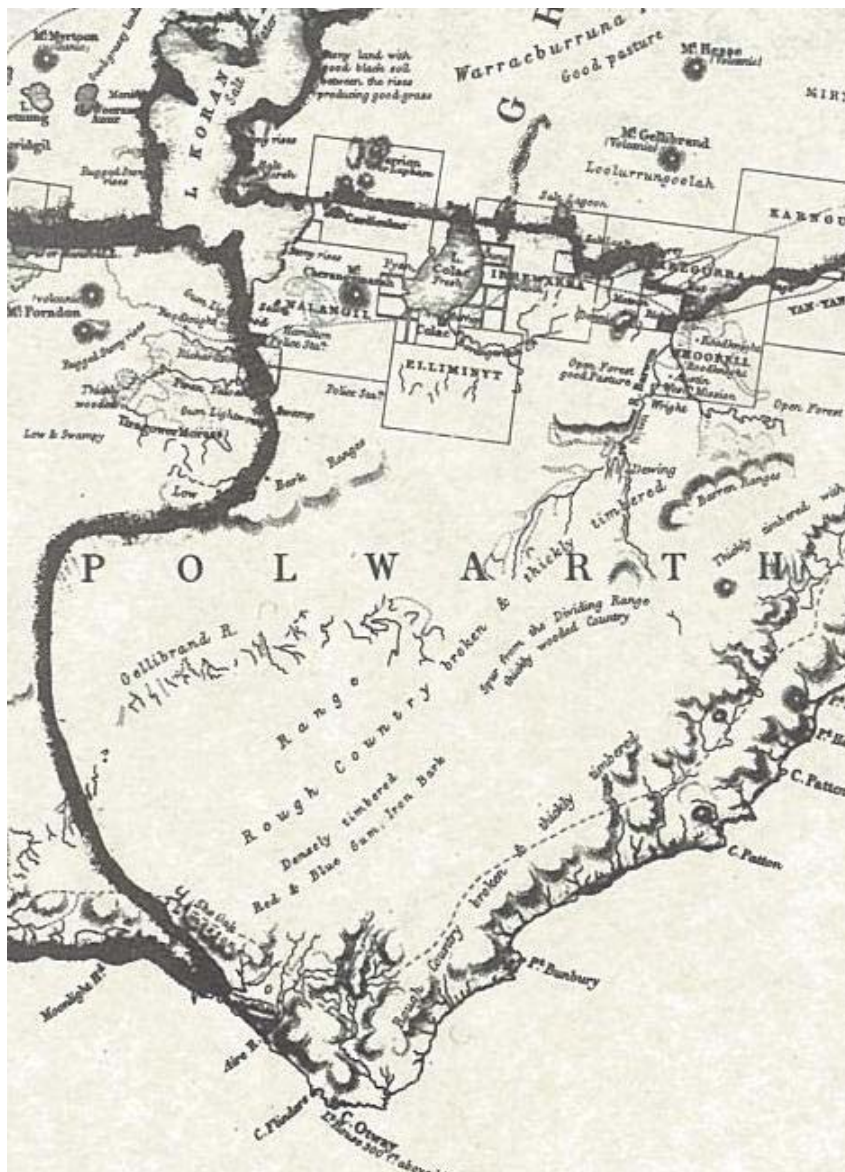
18 P.F.B. Alsop, 'Geelong's early water supply', in *Investigator: Magazine of the Geelong Historical Society*, vol. 6, no. 1, March 1971, pp. 15-22; Leigh Edmunds, *Living by Water: A history of Barwon Water and its predecessors* (Barwon Water, Geelong, 2005), p. 371.

19 Two wells are indicated on the 1840 survey of the Township of Portland, located near the beach; see Thomas Townsend, 'Plan of Portland', February 1840 (held SLV). See also Noel F. Learmonth, *The Portland Bay Settlement* (Baulch Publications, Hawkesdale, 1983; first published 1934), pp. 258-59.

20 There are numerous accounts of exploration where Aboriginal guides are mentioned. See, for example, P.L. Brown (ed.), *Memoirs Recorded at Geelong, Victoria Australia by Captain Foster Fyans (1790-1870)* (Geelong Advertiser, Geelong, 1986).

21 Eric Rolls, *A Million Wild Acres* (1984), p. 280.

told and retold about the foundations of settlement.²² In many cases, too, the Aboriginal guides who featured in these settlement narratives were cast as responsible for directing the white settlers to water.



*Detail of Hoddle's
c.1850 Map of Victoria
showing western district
pastoral runs clustered
around Lake Colac*

**Figure
5**

Initially, new settlers employed rudimentary and primitive means of collecting, storing and distributing water. They carted water manually from nearby creeks and rivers, using buckets and a wooden yoke, but struck trouble when the supply was seasonal, when the creeks and streams dried up in summer. If groundwater was sufficient it could be drawn up from a well sunk close to the house.²³ For domestic purposes, settlers also collected rainwater in a container of some kind, either in an above-ground tank made of timber, stone, brick or iron, or in a below-ground tank, typically built of stone or brick, and sometimes lined in cement (see Figure

²² See, for example, the story of the arrival of the Thomsons at Keliambete, in *Western District Centenary Souvenir* (Terang, 1934); the Manifolds at Purrumbete.

²³ The pastoral run files held in the Public Record Office Victoria often show the located of early wells located near the homestead or outbuilding. See Pastoral Run Files, 1840–79, VPRS 5920.

6). But collecting water in this way was inadequate for the needs of stock, which needed a regular supply, with extra for sheep-washing. In the 1840s, as yet without any legal claim to the land they occupied, squatters were reluctant to outlay much on improvements. After an Order-in-Council of 1849, however, they won the right to a pre-emptive claim on the homestead block. As a result, they were more likely to sink wells, and build dams and water tanks in order to augment their water supply (the collection and use of water for agricultural purposes is discussed further in the following section).

The supply of water in Victoria varied considerably. Along the coastline, in much of the central area, in the mountainous north-east and in Gippsland, there were reliable streams and rivers, and some freshwater lakes. As squatters pushed further north, however, the country was drier and more prone to drought, and watercourses were few and far between. Here, settlers relied on wells, bores and tanks, as these place names on an early map of the Wimmera testify: 'Broken Bucket Tank', 'Wagon Flat Tank', 'Lost Swamp', and 'Well and Whim'.²⁴

Wells were less than ideal as a water source. They were unreliable and their water was often undrinkable. When placed too close to living quarters, wells were often contaminated by domestic refuse which seeped through the soil, and this led to disease. Their great depth also made them a cause of death, especially for small children who were likely to fall in and drown. Nonetheless they were used in some instances – one example at Colbinabbin is thought to have been sunk in the 1850s or 1860s. The Shire of Waranga acquired the well in 1893 and local people purchased water from it thereafter. It remained in use for almost 100 years before being abandoned after finally collapsing in the 1950s.

Heritage - Theme 1.2: Sourcing water for early settlement

- Site of 'The Falls' (near Queensbridge), Melbourne
- Well site, Portland and Colbinabbin Community Well, Toedtberg Road and Two Chain Road, Colbinabbin (VHR H1937)
- Site of Breakwater, on Barwon River at Geelong

1.3 Water use and early agricultural development

By the 1850s, agricultural areas had been established in the more fertile districts. A variety of cereal crops, fruits and vegetables were grown, as well as hops and tobacco. Orchards and vineyards were also established - for example, in Geelong, the Yarra Valley, the north-east, and along the Murray River. Here, settlers occupied much smaller holdings, often with little or no access to surface water. As a result, they needed to sink more wells and bores, and to build rainwater tanks. The government made provision for hundreds of Crown land reserves for the collection of water in the 1850s and 1860s.²⁵ As agricultural settlement developed, settlers also devised early methods of drawing on water for irrigation and to power mills.

The availability of water shaped the patterns of small-scale farming settlements just as it had the boundaries of the larger squatting runs. Around Lake Wangoom, near Warrnambool, for example, every land holder was given access to this circular water source by a subdivision plan that resembled slices of pie. In acquiring this waterfront land, they had simultaneously acquired an enviable riparian right.

²⁴ Blake, *Wimmera* (Cypress Books, Melbourne 1973), these place names appear on map titled 'Wimmera Region' on the inside front cover.

²⁵ A full list of all Crown land reserves gazetted up until 1881 for water supply purposes was published in the *Victorian Parliamentary Papers* in 1881.

In the 1860s, the land selection acts promised a more democratic occupation of land. Settlers took up land with enthusiasm, inspired by the yeoman ideal. However, squatters used a system known as ‘dummying’ to maximize their holdings and employed ‘peacocking’ tactics to ensure that they retained the blocks with the best water access. This created a monopoly on water supply in many places. While selection was thwarted in this regard in the richer pastoral country, selection was successful in opening up large tracts of land in northern Victoria. While selectors clung to the misguided adage that ‘rain follows the plough’, in reality, water was scarce, especially in the north-west, and many struggled to survive. Selectors also faced the loss of commons, which had been set aside in the early 1860s to provide collective sites for water supply and grazing. The government began revoking these by the 1870s, which was bad news for selectors with no waterhole on their block. Facing serious problems with water scarcity, and recurrent drought years in the 1870s, settlers lobbied the government to improve the water supply.²⁶

As an aid to selection in drier areas, water reserves were sometimes established. One example at Mt Cottrell near Melton in the Parish of Pywheitjorrk, of 21 acres 1 rood and 20 perches was gazetted in 1872, at the same time that the land was opened for Selection. It was situated in an area where most of the land with river frontage had been taken up by large pastoral interests.²⁷

After several seasons on the land, the squatters also learnt that the winter rainfall may not bring sufficient water to see them through the drier periods. Even where a station was sited on a river or creek, this water source was perhaps unreliable, and water storage was needed. Some squatters devised innovative water supply schemes. Samuel Wilson, for example, of Longerenong station in the Wimmera, installed an elaborate system of pumps and pipes that drew water from the Yarriambiack Creek.²⁸ Many settlers constructed dams or ‘tanks’ (The latter term refers to dam sunk in in paddocks or across ‘dry’ gullies rather than on watercourses). At Jellalabad sheep station, near Darlington in the Western District, a large, elaborate bluestone dam was built, probably completed in the 1860s (Figure 7 shows a similar example at Dundonnell).²⁹ The owner of Green Hills station, which lacked an abundant natural water source, built a large bluestone water tank that collected run-off from the roof of the stables.³⁰ Building a water tank was no mean feat, as these instructions in 1859 for a circular tank ‘ten feet deep and ten feet in diameter’ made clear: ‘If bricked up, one brick thick, in cement, it would require about 3600 bricks. There would be about one thousand and thirty feet of digging. You should get it taken out at so much per yard’.³¹

At Eynesbury Station in Melton South there survives today an earth moving scoop, which has a maker’s plate marked ‘Gaston Bros Pty Ltd, Maker, Kensington Vic. No. 146’. This was probably used to construct dams and water storages on the property.

At *Rockbank*, one of the large stations owned by W.J.T. Clark west of Melbourne, the very shallow basalt bedrock made it difficult to excavate dams so the solution was to construct earthen dams across depressions and gullies, probably built with the shallow topsoil (likely

²⁶ See, for example, *Argus*, 7 September 1863, p. 5.

²⁷ Moloney, David, Rowe, David & Jellie, Pamela, *shire of Melton Heritage Study Stage 2, May 2007*, Place ID no. 292

²⁸ VHR H0290; also Les Blake, *Wimmera: A regional history* (Cypress Books, Melbourne 1973).

²⁹ Kevin Moroney, Koroit, pers. com., 8 July 2007.

³⁰ The substantial bluestone water tank at Greenhills was probably designed by Smith; see Helen Doyle and Context Pty Ltd, citation in ‘Moyn Shire Heritage Study, Stage 2’ (2006), vol. 2.

³¹ Con F., Ballarat, ‘Water Tank’, in *Victorian Horticultural and Agricultural Gazette*, 21 December 1859, p. 134.

scooped-up with the aid of horses or bullocks), which were then faced with a dry stone wall. At least four of these dams survive today.³²

By the end of the nineteenth century, after several dry seasons, farmers in Victoria had begun to sink bores. The first successful bore had been sunk in Australia in 1872.³³ Victoria was largely outside of Australia's Great Artesian Basin, but there was nevertheless adequate available groundwater across much of the state. Theories abounded, including the claim of a vast underground sea beneath the Wimmera.³⁴ In the late 1880s, one innovative settler, James Alston, developed a new improved windmill design with curved sails.³⁵ As a result, the number of windmills attached to bores increased dramatically in the 1890s and 1900s, especially in the Western District. On the rich agricultural lands near Warrnambool in south-west Victoria, one observer likened the scene to the cultivated Dutch countryside where 'the windmills are as numerous'.³⁶

Water was also vital from an early date in the development of Victoria's wool industry. The practice of washing wool on the sheeps back prior to shearing was brought to Australia from England by early pastoralists and this practice is reflected in the watercourses in Victoria that bear the name Sheepwash Creek or similar. Natural features such as these were on occasion modified to create sheepwashes using local stone. One example at Bessiebelle was constructed c.1850 by pastoralist Samuel Gorrie on his Ardonachie Run, then carrying 6,000 sheep. The two sheep washes both utilise the natural terrain and are complemented by the construction of massive drystone wall races, and a network of pre and post washing yards. The large and sophisticated network of races and yards are skillfully constructed of field stone.³⁷

Heritage - Theme 1.3: Water use and early agricultural development

- Longerenong Homestead, Burnt Clay Road, Murtoa (VHR H2990)
- Bluestone water tank (c.1870s) at 'Green Hills', Greenhills Road, Minhamite and Stone lined dam (c.1870s) at 'Dundonnell', Dundonnell Road, Dundonnell³⁸
- Water Reserve, 2182-2356 Boundary Rd, Mt Cottrell (east bank of Werribee River)
- Dams associated with W.J.T. Clarke's Rockbank property at Melton³⁹
- Earth tipping scoop at Eynesbury – associated object included as part of VHR H0362.
- Bessiebelle Sheepwashes and Yard, Pyes Road, Bessiebelle (VHR H2033)

³² Moloney, David, Rowe, David & Jellie, Pamela, *shire of Melton Heritage Study Stage 2, May 2007*, Place ID no. 151

³³ Eric Rolls, *A Million Wild Acres* (1984), p. 189. A bore had been dug in New South Wales in the early 1800s, but this was abandoned at around 23 feet.

³⁴ *Victorian Municipal Directory for 1885* (1885).

³⁵ 'Technology in Australia' website.

³⁶ James Smith (ed.), *Cyclopedia of Victoria, vol. 2* (1903), p. 428.

³⁷ Heritage Victoria, VHR H2033, File No. HER/2000/000197

³⁸ Both identified by Doyle, H & Context Pty Ltd, *Moyne Heritage Study* (2005)

³⁹ For details, see the Melton Heritage Study Stage 2 (Place IDs 151, 110, 077, 082)



Circular bluestone water tank at Tolindert Station, Camperdown (J.T. Collins Collection)

[SLV H93.400/243]

Figure 6



Square stone-lined dam, Dundonnell (c. 1870)

[SLV H95.200/426]

Figure 7



Water Carrier, 1909

[SLV H93.456/40]

Figure 8

1.4 Water and transport

Early exploration, stock and trade routes

The availability of water was a significant factor in shaping the early stock routes and coach routes across Victoria. Whereas Aboriginal people had an intimate knowledge of the various water reserves within their own country, the new European arrivals relied mainly on surface water supplies that were, ideally, named and marked on a map. Explorers and overlanders carried water bags with them, but these were little use to horses. They often took Aboriginal guides with them, who led them to water and food supplies.

Finding and following the main water courses was an imperative of early exploration. On an exploratory trip in 1803, Grimes and Collins had followed the Yarra from its mouth up to the spot later known as Dights Falls. They proclaimed this 'Freshwater River' to be 'the most eligible place for a settlement'.⁴⁰ It was Major Mitchell's brief of 1834 to follow the course of the Murray River that led him into western Victoria. John Batman and his party made various sorties across country in 1835 to ascertain the courses of various rivers and streams (which he duly named after himself and his family).⁴¹

As stock arrived in the 1840s, both overland from New South Wales and on ships arriving in Melbourne and Geelong, well used tracks emerged. These invariably passed by reliable water sources, such as river crossings, springs and waterholes. By the 1850s, as these rough tracks developed into coach roads, wayside hotels were set up at intervals, where a well could provide water for the horses. A network of wells was established for the use of Cobb & Co. and examples survive at Kooyoorra and Mooree. Later stock routes were served with public tanks.⁴²

The rivers themselves were also a means of transport and important trade routes, in particular the Murray. Before the arrival of the railway in the late 1870s, the Goulburn River was also used as a means of trade and travel.

Railways

A chief reason for constructing the first railway in Australia in 1854, which linked Melbourne and Sandridge (Port Melbourne), was to efficiently transport fresh water to the port for the use of ships. Water was needed to power the steam boilers and also to replenish the ships' general supplies. Local lore claims that ships commonly delayed being replenished with water until their arrival at Port Melbourne, where they could get 'the best water in the world'. Miles Lewis has also noted the importance of ships' tanks, which were large square iron tanks used to store fresh water while at sea. These later adapted as water tanks on the land.⁴³

The location of water sources was an influence upon the route of railways. For example, when new railway lines were planned later in the nineteenth century across the dry north-west of the state, the position of the line was determined in part by the best positions for bores, which were sunk along the length of the line. In the days of steam power, locomotives needed to replenish their water supply at regular intervals and as a result many railways stations were installed with tanks, bores and pumps and reservoirs (for example at Traralgon). Where possible the railway reservoirs, and hence the stations themselves, were at a high altitude, for example at Macedon and Bullarto. Elevated tanks were necessary when the country was too flat for a gravity-fed system, for example at Murtoa, St Arnaud, and Echuca. These tanks often became part of the

40 Andrew Brown-May and Shurlee Swain (eds), *Encyclopedia of Melbourne* (Cambridge University Press, Melbourne, 2005), p. 788.

41 James Bonwick, *John Batman* (1867), pp. 23, 24.

⁴² Peter Mills, pers. comm.

⁴³ Miles Lewis, 'Australian Building: A cultural investigation',

<http://www.abp.unimelb.edu.au/staff/milesbl/australian%20building/pdfs/9.0serv.pdf>.

township water supply. For example, the water tower at Murtoa was purchased from the Railways Department by the Murtoa Water Trust in 1910 and was used until the 1960s (Land Conservation Council, 1997:54). At Echuca the Victorian Railways built a pumping station that served both the railway and town water supply and also worked the hydraulic presses on the wharf. In the early years of the railways, the station's water supply was often a town's only supply. The railway was itself a means of water supply during periods of drought, when 'water trains' were dispatched to relieve troubled areas of the state.⁴⁴

The provision of water at railway stations also probably encouraged the railway gardens movement of the late nineteenth century. Drinking fountains were another early regular feature at railway stations made possible with a water tank. In 1875, the Minister of Railways ordered 23 drinking pillars for all the 'watering stations' on Victorian railways.⁴⁵

Once steam rail was phased out in the 1960s, there was no longer a critical need for water tanks at stations.⁴⁶



Lethbridge rail water tank, now located in local park

Figure 9

[SLV H97.250/2375]

Heritage - Theme 1.4: Water and transport

- Early settlements established around key crossing points at water ways
- Water tanks are found at a number of railway stations throughout Victoria. Examples include Mordialloc (HO92, Kingston Planning Scheme), Murtoa (HO41, Yarriambiack Planning Scheme), Quarry Hills (HO617, Greater Bendigo Planning Scheme), St Arnaud (VHR H1594), Sunbury (VHR H1673), and Warrnambool (HO127, Warrnambool Planning Scheme).
- Pumping Station, 2 Murray Esplanade, Echuca (VHR H1053)
- Railway water tank, reservoir and channel system, Korong Vale (HO156 and HO157, Loddon Planning Scheme).

⁴⁴ See, for example, water trains were sent to Donald in 1882; from Geoffrey Serle, *The Rush to Be Rich* (1971), p. 54. A photo of a water train appears in Rhona Van Veldhuisen, *Pipe Dreams* (Wimmera Mallee Water, Horsham, 2001), p. 116.

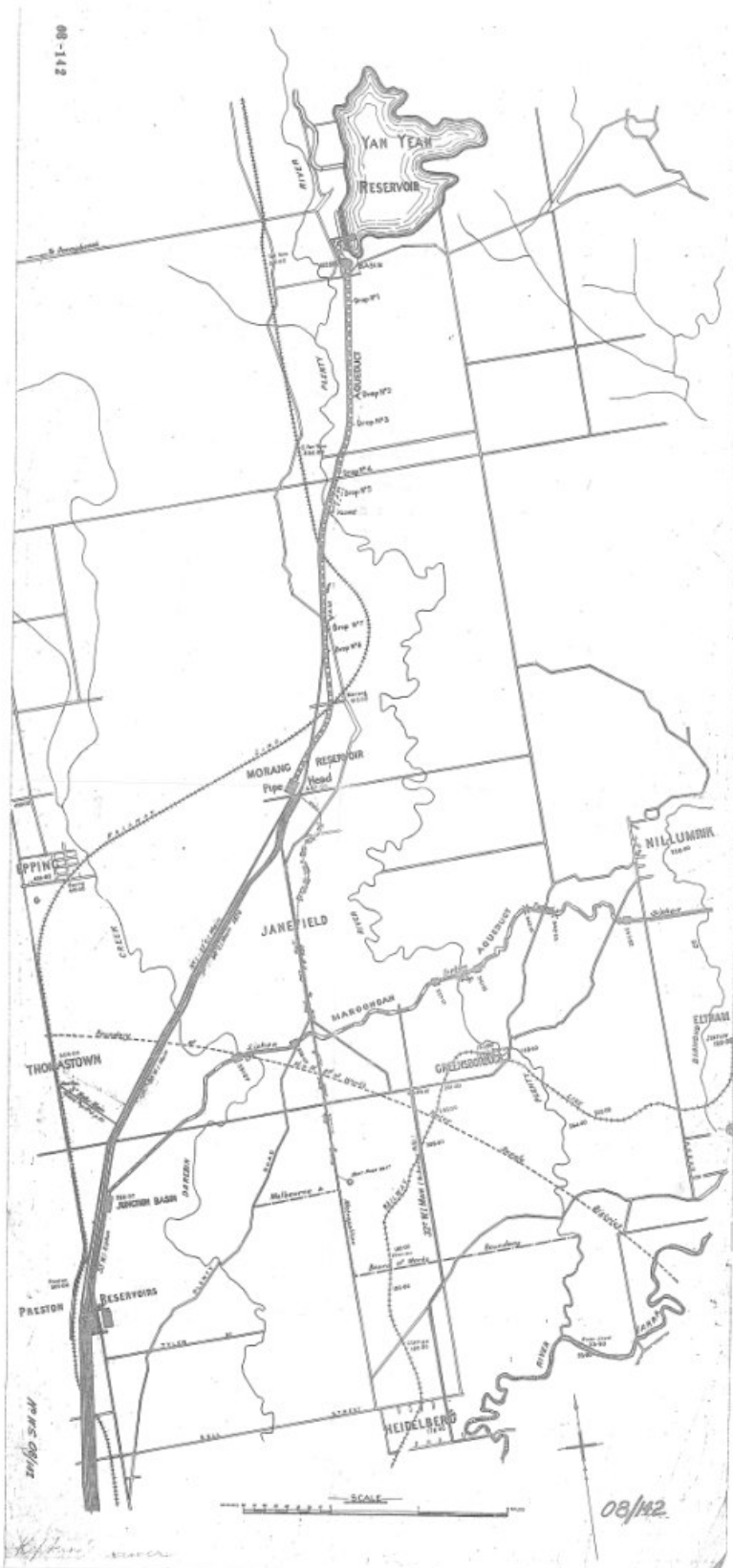
⁴⁵ *Argus*, 13 October 1875, p. 5; 27 November 1875, p. 7.

⁴⁶ Rabl, *The Romance of the Old Tower* (1986); Andrew Ward, 'The Kyneton Railway Station water supply', *Historic Environment*, vol.5, no.2, 1986, pp. 29-34.

*Map of the
Yan Yean water supply
system, c.1908*

**Figure
10**

[Melbourne Water]



2. DEVELOPING WATER SUPPLIES FOR SETTLEMENTS AND STOCK

This theme examines the delivery of fresh water for settlement and stock supply in Victoria from the 1850s onwards. It traces the early beginnings of rudimentary water supplies in Melbourne and other early settlements, and examines the important role played by the gold rush in the development of water supplies in rural towns, which assisted in the transition in the 1860s to the operation of large and complex waterworks. This theme looks at the different types of water sources used by towns and cities, and the ways in which these supplies were managed and adapted over time. This theme is important because it recognises the changing physical structure of water supply systems, and the changing needs of local populations in regard to fresh water.

This chapter also examines the Wimmera-Mallee water supply, which is thought to be the only water supply system in Australia constructed primarily for stock and domestic supply, rather than solely for irrigation of crops or town water supply.

The need to establish and develop water supplies inevitably led to the need for companies and authorities to construct and administer water supply systems. The story of administering the water supply is told in Chapter 5.

This chapter incorporates the following Australian Historic Themes:

AHT	4 Building settlements, towns and cities, especially 4.2; 3 Developing local, national and regional economies, especially 3.4, 3.11.
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2.1 Establishing and developing Melbourne's water supply

Melbourne's early water supply

The original Melbourne water supply was rudimentary and unreliable and of a poor quality. As we have seen in the previous chapter, Melbourne's early water supply constituted a system of tanks and water carts filled with water from the Yarra River above the place known as 'The Falls' (near present-day Queensbridge). Here there was a long row of wooden platforms, each carrying pumps.⁴⁷ In 1850, a small steam engine was installed, which pumped water into a tank in Flinders Street.⁴⁸ For this purpose, there was a water race in Flinders Street and water tanks in Queen Street.⁴⁹ Early residents also sunk wells, and employed tanks and barrels to collect rainwater.⁵⁰ Most settlers built their homes close to the Yarra, or to the other major streams, the Merri Creek, the Saltwater (or Maribyrnong) River, and Gardiners Creek.

When Melbourne was declared a Corporation in 1842, it was vested with responsibility to provide essential services for its citizens, including the provision of fresh water and a means of sewerage.⁵¹ In 1854, with the Yarra increasingly polluted, the disposal of industrial wastes into the river was banned.⁵² In the same year, a large holding and distribution tank with a capacity

⁴⁷ H.G. Turner, *A History of the Colony of Victoria*, vol. 1, p. 329.

⁴⁸ A.W. Jose (ed.), *Australian Encyclopedia*, 1926, vol. 2, pp. 640-41.

⁴⁹ *Argus*, 9 December 1854; 8 January 1851. There were also water tanks in Queen Street.

⁵⁰ H.G. Turner, *A History of the Colony of Victoria*, vol. 1, p. 329.

⁵¹ Jessop, 'An Historical Survey' (1942), p.8.

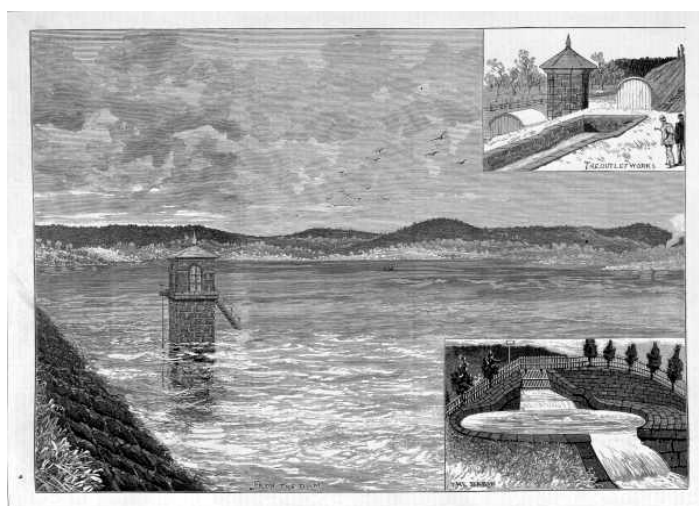
⁵² *Argus*, 5 September 1854.

of 150,000 gallons was built at Eastern Hill, which was filled with unpolluted water from the Yarra above Dights Falls.

The evident inadequacies with the system were exacerbated with the events of Black Thursday bushfires in 1851 and the great influx of population in the early 1850s. Against this backdrop, the Melbourne Town Council called for a scheme to provide an adequate water supply. Early schemes had been proposed in the 1840s - such as that of Patrick Reid, a settler on the Plenty, with a plan to dam the Plenty River - but nothing eventuated.⁵³ James Blackburn, a convict-turned-engineer, devised a new scheme for the Melbourne City Council, which proposed diverting water from the Plenty River and its tributaries into a reservoir at Yan Yean. Relying on a gravitational flow, the water would be directed through the Plenty Valley to Melbourne, via an open aqueduct, and stored in a reservoir on the outskirts of the city.⁵⁴ Blackburn's scheme was later revised by Charles Oldham, with one of the most significant changes being the replacement of the aqueduct with pipes.

Establishing Melbourne's water supply – the Yan Yean scheme

Construction of the Yan Yean reservoir commenced in 1853 under the Victorian government's newly formed Commission for Sewerage and Water Supply. The British engineer Matthew Bullock Jackson was appointed Chief Engineer, with Blackburn acting as a consultant. Completed in 1857, the Yan Yean water supply system was hailed as the greatest public work constructed in the Colony, and the reservoir as one of the largest in the world. It was sited at 600 feet above sea level with an earthen bank 30 feet high and a clay puddle core. A single pipe fed the water to Melbourne.



The Yan Yean Reservoir
May 7 1881 (Print of wood
engraving)

[SLV A/S07/05/81/148]

**Figure
11**

Problems soon emerged, however, due to faulty pipes, polluted water, and lack of pressure. A number of reports were commissioned through the 1860s and 1870s to try to solve the problems with the system. One remedy was a holding or service reservoir at Preston that became known as Preston No. 1, which was completed in 1864 and helped to relieve pressure on the mains and the problems caused by water stagnation. With a capacity of 16 million gallons, it was sufficient to supply Melbourne for three days at that time. Water from Yan Yean

⁵³ Thomas McCombie, *History of the Colony of Victoria* (Melbourne, 1858), p. 207.

⁵⁴ See Dingle and Doyle, *Yan Yean: Melbourne's early water supply* (2003), see chapters 1-3.

was also stored in the tank at Eastern Hill, which remained in use until 1892 when it was dismantled and relocated to the Werribee Sewerage Farm.⁵⁵

Before the Yan Yean reservoir was completed, some municipalities in Melbourne secured water supplies locally. In East St Kilda and Malvern, residents relied on a spring;⁵⁶ while in neighbouring Prahran, the council had initiated the construction of a water works, which involved piping water from 'Forrest-hill' after it had been collected from the Dandenongs.⁵⁷ The water from Yan Yean was only available to a limited area of residences, principally those in the low-lying inner suburbs. This problem was rectified in the 1890s when a high-level pipe was built over the Yarra at Fairfield/Kew, which took water to the elevated eastern suburbs.



Flume carrying the 'high-level' pipe over the Yarra River at Kew

Figure 12

[SLV H39358/63]

After several years of low rainfall in the late 1870s, the growing population of Melbourne was placing enormous pressure on the city's water supply. In 1875 to improve the supply of water to Melbourne, the cast iron main between Yan Yean and Morang was removed and replaced with an aqueduct. The removed pipes were then re-laid adjacent to the existing main between Morang and Preston Reservoir, but this soon proved insufficient. The water supply was augmented and improved in the 1880s with the expansion of the catchment area into the Plenty Ranges. This new improved system, constructed under the supervision of William Thwaites, redirected two pristine north-flowing mountain streams, the Wallaby and the Silver Creeks, along granite-lined channels that wound gracefully around the contours of the mountains, through a weir at Wallaby Creek, and to a holding reservoir at Toorourrong. The highlight was the remarkable structure known as 'The Cascades', a stairway cut from the local granite, and sited amidst a dense grove of giant tree ferns. From Toorourrong, where the water had settled sufficiently to stabilise the clayey water and lose any suspended particles, it flowed

⁵⁵ E.G. Ritchie, 'Melbourne's Water Supply Undertaking', in *One Hundred Years of Engineering, 1834-1934* (Melbourne, 1934), p. 379.

⁵⁶ *Argus*, 25 April 1862, p. 5; John Butler Cooper, *The History of Malvern* (The Specialty Press, Melbourne, 1934), pp. 97, 99-102.

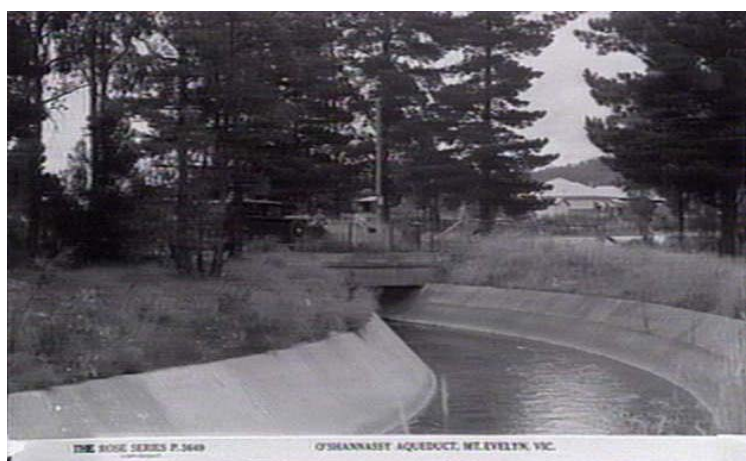
⁵⁷ John Butler Cooper, *The History of Prahran* (1912), p. 95; see also H. Miller (chairman), *Report from The Select Committee of the Legislative Council on the South Yarra Water Works Company's Incorporation Bill; Together with the Proceedings of the Committee and Minutes of Evidence* (The Herald Job Printing Office, Melbourne, 1855).

down the aptly named 'Clear Water Channel' to Yan Yean. These extensions in effect completed the Yan Yean system.

As the Yan Yean water supply system was expanded to meet Melbourne's growing demand for water, so too was its distribution network. Preston was Melbourne's only service reservoir until 1881, when a small circular reservoir was built at Essendon. Before the end of the nineteenth century a second service reservoir was built at Essendon, plus three others in Caulfield, Surrey Hills, and Kew. Two further reservoirs were added at Preston in 1909 (Preston No.2) and 1913 (Preston No.3). These service reservoirs were originally connected by a series of cast or wrought iron pipes, some of which remained in use for over 100 years.

Extending and developing Melbourne's water supply

With the Yan Yean catchment fully exploited, other sources were investigated. In 1872, the Water Supply Board recommended that future supplies be brought from the Watts River in the Yarra Watershed. Work finally commenced in the 1880s on the construction of a weir across the Watts River and 41 miles of aqueduct, tunnels and syphons to connect with the Preston Reservoir – this later became part of the Maroondah scheme. Work began on the O'Shannassy Scheme in 1910, which supplied water to a storage reservoir at Surrey Hills, which served the fast growing eastern suburbs of Melbourne – as noted in Chapter 5, this was the first water supply project to be undertaken by the Melbourne and Metropolitan Board of Works. In the 1920s, a large dam was constructed at Maroondah, followed by another at Silvan.



O'Shannassy Aqueduct

[SLV H32492/5034]

**Figure
13**

In the postwar period, Melbourne's water supply struggled to keep up with rapid population growth. The number of private swimming pools and industrial plants also increased during this period, which contributed to higher levels of water consumption. A new reservoir had been planned at Upper Yarra in the 1940s, but works were delayed by the war. The new dam was finally completed in 1957, the centenary year of the completion of the Yan Yean water supply system.

In some outlying parts of Melbourne, significantly in the towns near Yan Yean, such as Whittlesea, piped water was not available until relatively late. Elsewhere, pumps continued to be used for domestic purposes. There was a public pump connected to river water that was still in use at Warrandyte until the early 1970s.⁵⁸

⁵⁸ Don Baker (ed.), *Bushwalks near Melbourne* (1978).

Heritage - Theme 2.1: Establishing and developing Melbourne's water supply

- The early Yan Yean Water Supply System, comprising Yan Yean Reservoir, Valve houses and other elements of the original scheme constructed 1853-57 and the Preston Reservoir No. 1 constructed in 1864. Additions to the system to increase or improve supply include the Wallaby and Silver Creek systems, Toorourrong Reservoir, Clearwater Channel, Reservoir Nos. 2 and 3 at Preston, the Junction Basin in Cheddar Road where the Maroondah system meets the Yan Yean system, and surviving sections of additional cast and wrought iron mains in the pipe reserve between Preston Reservoir and Melbourne.
- Service reservoirs at Surrey Hills (HO34, Whitehorse Planning Scheme), Mitcham (HO119, Whitehorse Planning Scheme), Kew and Caulfield
- Eastern Hill Water Tank, now situated at the Western Treatment Plant, Cocoroc Road, Werribee (VHR H1416)
- 'The Springs', Spring Street, Malvern
- Systems added after Yan Yean to increase Melbourne's supply including Maroondah system (1880s-1927, including the dam and aqueduct), O'Shannassy system (1910-4), Silvan system (1932) and Upper Yarra system (1957).

2.2 Establishing water supplies on the goldfields

Outside of Melbourne, most of the earliest township water supply schemes were established in goldfields towns, where the water needs of the mining industry provided the impetus for the development of engineered schemes. Until financial assistance was provided by the State Government these towns were also the only ones with the financial means to consider such undertakings.

Early gold-mining water supply schemes

The gold rush of the 1850s attracted large numbers of immigrants to inland Victoria, where there were no organised services, such as a fresh water supply, drainage or sewerage. Miners initially made do with primitive water-gathering methods, but later constructed more sophisticated systems (See Section 4.2 for more details of how water was used in a range of gold-mining activities). Historian Susan Priestley writes:

The provision of water to inland towns was closely linked to the demands of gold-mining. For the first seven years after 1851, miners dug water-races leading from natural streams according to individual whim. They even tunnelled into mountains to tap the source of springs. The system was wasteful and inefficient since there was no attempt to collect stormwater or winter rains. In dry seasons only those races closest to the source got a flow of water. At Beechworth, the tangle of intersecting races spread the supply so widely that the flow impetus was reduced to a mere trickle.⁵⁹

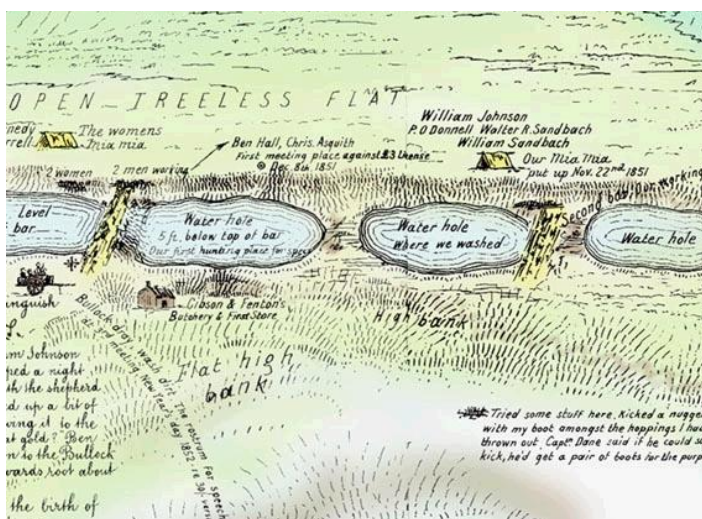
As will be discussed in Chapter 4, miners needed copious amounts of water to work the field. Large tracts of Crown land that were turned over to 'diggings' were sunk with wells, dug with tunnels, and criss-crossed with water races, but access to fresh water on the goldfields was fiercely guarded and protected. At the same time, there was inadequate monitoring and policing of water use and much misappropriation went on. The alleged 'mis-use' of water by the Chinese rankled the non-Chinese miners and sparked racist attacks.⁶⁰

Accordingly, one of the first tasks of the Goldfields Commissioners was to protect crucial water supply holes, both for the miners and for public use. At Bendigo early Government Camps

⁵⁹ Susan Priestley, *Arriving* (1984), p. 101.

⁶⁰ John A. Graham, *History of Creswick* (1987; first published 1942), pp. 193-94.

were located near water holes at Sheepwash and Bullock Creeks outside the Bendigo Creek catchment during the dry first summer of the Bendigo rush. Later, mining by-laws were established to protect waterholes for domestic use.



Map of mining site at Bendigo in 1851

Figure 14

[www.coliban.com.au/about/history.asp]

As the gold fields were worked out the infrastructure left behind, particularly dams or reservoirs were sometimes acquired by local authorities for use as municipal water supplies. At the Amherst and Talbot goldfields, the largest water race system was constructed by Messrs Stewart and Farnsworth. These men had by 1871 invested over £9,000 in the construction of several reservoirs, and hundreds of miles of water races. By the end of the 1870s most of the available shallow alluvial ground within the reach of Messrs Stewart and Farnsworth water supply system had been sluiced. The reservoir was purchased by the Borough of Amherst in July 1875 and tenders were called in 1876-8 to raise the reservoir walls and for pipes to reticulate Talbot.⁶¹



Water race used for mining, 1861.

Figure 15

Photographer: Richard Daintree

[SLV H36573]

⁶¹ Department of Natural Resources and Environment, *Victorian Goldfields Project: Historic Gold Mining Sites in Amherst Mining Division*, Maryborough Mining District, (1998), pp. 5-6

Many miners turned to farming once the alluvial gold had petered out. They benefited by the government's introduction of the 'miner's right' in 1855; this gave miners the right to store water in a dam for their own needs and, as a result, a multitude of small private dams were constructed.⁶²

Development of engineered schemes – The *Waterworks Act 1865*

The establishment of permanent centres of population on the goldfields necessitated a more adequate means of water supply. By the 1860s, growing populations could no longer be sustained on meagre stream flows and household wells. The greater spread of population and the impacts of mining activities had also made water cartage and polluted surface water more of a problem. The drought of 1864-65 exacerbated the difficulties of inadequate water supplies, but the passage of the *Waterworks Act 1865* provided the sum of £50,000 to be distributed as government loans for the construction of local waterworks.⁶³ As a result, many new schemes were constructed, including Creswick (1865), Daylesford (1867), and Clunes (1870).⁶⁴

The most extensive and ambitious water supply constructed in the gold-mining district was the Coliban system, constructed by the Bendigo Waterworks Company to a design by Irish engineer Joseph Brady who had worked on the Yan Yean project and had also designed the earlier domestic water supply for Bendigo. Commenced in 1864, this was at the time the largest water supply system outside Melbourne. It comprised a large reservoir at Malmsbury, completed in 1870, as well as various storage reservoirs and miles of channels. Using a gravity-fed system of pipes, it supplied water to the towns of Bendigo, Castlemaine, Harcourt and Chewton.⁶⁵



Malmsbury Reservoir

Photographed circa 1940s – showing tunnel leaks, spillway gates, outlet tower, grounds and channels including knife edge weir and stilling pool

[SLV RWP/19641]

Figure 16

⁶² These numerous private dams, or 'reservoirs' are listed in the *Victorian Parliamentary Papers*; see for example, 'Victorian Water Supply: Third Annual General Report by the Secretary for Water Supply', 1889.

⁶³ Dr Brian Harper, Engineering Heritage Victoria, pers. com., September 2007.

⁶⁴ John Graham, *The History of Creswick* (1987; 1942), p. 134; site for Victorian Water Supply purposes in Daylesford (Service Reservoir and Pipe Track), temporarily reserved; VGG, 20 August 1867, p. 1543 [from Richard Aitken, 'Classification report for Wombat Hill Botanic Gardens, Daylesford', prepared for the National Trust of Australia (Vic.), 1997].

⁶⁵ Jane Lennon, *Our Inheritance* (1992), p. 50, taken from Susan Priestley, *Arriving* (1984), p. 102; Coliban Water, 'A Slide Show History of Coliban Water', <http://www.coliban.com.au/about/history.asp>

In the 1870s, reticulation was extended to other mining towns, including Castlemaine, Maryborough, Stawell, Talbot, and Beechworth.⁶⁶ Stawell and Talbot, in the prevailing mood of civic pride in the 1880s, boasted of the superiority and ‘excellent supply’ of their water systems.⁶⁷ The Stawell system included several notable feats of engineering including a one kilometre long tunnel and long section of iron fluming on drystone supports that carried the water to the town.

Heritage - Theme 2.2: Establishing water supplies on the goldfields

- Coliban water supply system (VHR H1021), includes Malmsbury Reservoir
- Various sites in the Amherst Mining Division of the Maryborough Mining District such as Stewart and Farnsworths Reservoir and Race (Talbot Reservoir), Amherst Reservoir, and water standpipes – e.g. at Talbot
- Gong Gong water supply system, Ballarat
- Langi Ghiran Reservoir and other components of the Ararat water supply system
- Stawell water supply system

2.3 Developing water supplies in rural areas

Early township water supply systems

Growing populations placed increased pressure on existing town water supplies. A rudimentary water supply was standard for many towns, including a reliance on private wells and carting or pumping water from a local stream or lake. Many people installed their own tank for rainwater collection. Often the water supply constituted a ‘shire dam’, for example at Ararat, or a ‘shire well’ as at Numurkah.⁶⁸ Outside the goldfields, few towns had the financial capability to construct complex waterworks schemes prior to the 1860s and 1870s; Bendigo (1859), Geelong (1862) and Hamilton (1872; not reticulated until 1880) were exceptions.



*Old water pump near
Marnock Vale, Geelong*

**Figure
17**

Photograph copied in
1938 from original
negatives taken in
1860.

[SLV H19494]

A reticulated water supply was established at Bendigo in 1859 by a private company, the Bendigo Water Works Company, which supplied water for domestic purposes to the population of Bendigo. This scheme pre-dated the more extensive Coliban Scheme described

⁶⁶ *Victorian Municipal Directory* 1885.

⁶⁷ *Victorian Municipal Directory* 1885, pp. 101, 103.

⁶⁸ *Argus*, 2 June 1860, p. 6; Myrtle L. Ford, *Flour Mills and Millers of the Goulburn Valley* (1983), p. 35 (the Numurkah shire well was in use from 1883).

in the previous section.⁶⁹ At Geelong a reticulated system had been proposed as early as 1849, but disputes about the location and form of the scheme held up action until after 1860.⁷⁰ A Select Committee of the Legislative Assembly recommended the use of the Barwon, and further inquiries led to a report by Capt. Pasley and M.B. Jackson that recommended that the area to the north of Geelong be considered. A site for a dam was selected on the Stony Creek 42 kilometres north of Geelong in the Brisbane Ranges. Planning for the project commenced then the Water Commission was abolished and the work was turned over to the Water Supply Department. Due to inadequacies in its design this dam failed, and it was not until 1874 that water was supplied to Geelong from the Lower Stony Creek dam.

As settlement progressed, and local populations grew, serious concerns also developed about the unsanitary conditions in many townships. The lack of a reliable source of fresh water, the problem of inadequate drainage, and the presence of excess groundwater were known causes of fatal infectious diseases.⁷¹ At Tower Hill, near Koroit in south-western Victoria, a serious outbreak of typhoid fever in 1888 struck fear into the local community and urged action on the provision of fresh water. The Koroit Water Works Trust was established in 1889 in response to this public health scare.⁷²

As noted in the previous Chapter, the passage of the *Waterworks Act* in 1865 enabled the provision of government loans for the construction of local waterworks, but it was not until the 1880s that a large number of towns, including Horsham, Murtoa, Benalla, Wangaratta, Kyneton, and Sale, set up water trusts to finance the construction of a water supply and a reticulation system.⁷³ In many cases, the needs of the steam railways hastened this development. In south-west Victoria, a reticulated water supply was built at Warrnambool in 1893 and at Mortlake in 1915.⁷⁴

Upstream rivers provided the best water supplies. At Horsham, for example, water was pumped from the Wimmera River, while the town of Warragul developed a scheme between 1910-9 that pumped water from the Tarago River to a holding reservoir that was then reticulated to the town and neighbouring centres. In other parts of Victoria, other sources, such as artesian supplies, were drawn on. In Gippsland, the town of Sale was supplied with two artesian wells in the 1880s - one private, the other public, 'the two large in Macalister Street always filled', while at Palmerston in the 1880s authorities were boring at 194 feet for a government-funded artesian well.⁷⁵ Where the land was flat, for example in Swan Hill, town water was stored in an 85 feet tower.⁷⁶ In some places, lakes and springs served as water supplies.⁷⁷ At Penshurst, the

69 The development of local water supply systems is well covered in the *Argus*; For Ararat, see R.A. Blachford, *The Centenary of Water Supply in Ararat* (1976), p. 12.

70 Edmunds, *Living by Water* (2005), p. 372.

71 Marten Syme, *Seeds of a Settlement* (1991), p. 30, cited in Doyle and Context P/L, 'Moyné Shire Heritage Study, Stage 2', vol. 3, 2006.

72 See Helen Doyle and Context Pty Ltd, 'Moyné Shire Heritage Study, Stage 2', vol. 3, 2006. This outbreak also prompted a Government inquiry.

73 *Victorian Municipal Directory for 1885*, pp. 64, 70, 108, 149, 243.; Cannon (1982), p. 133.

74 Wannon Water website: http://www.wannonwater.com.au/education/water_history.html; McCorkell and Yule, *A Green and Pleasant Land: The story of Koroit* (1999), pp. 100-101; *Pastures of Peace* (1985), p. 64, cited in Doyle and Context P/L, 'Moyné Shire Heritage Study, Stage 2', vol. 3, 2006.

75 *Victorian Municipal Directory for 1885*, pp. 93, 113; Cannon (ed.), *Vagabond Country* (1982), p. 133-34.

76 Cannon (ed.), *Vagabond Country*, 1982, p. 49.

water supply came from a 'never failing spring', which in 1885 'was enclosed with a wall in the regular Eastern style', while at Winchelsea, from 1914, the local council pumped water from the Barwon River into a storage reservoir.⁷⁸

As towns grew larger and needs grew accordingly, water storages were enlarged and the schemes grew in the sophistication of the design and technology employed. At Bairnsdale, a pumping station was constructed in 1888, which supplied water to an in-ground brick reservoir with a capacity of 100,000 gallons. An upgrade to the station in 1906 included installation of a new larger cylindrical concrete tank with a capacity of 350,000 gallons, designed by (Sir) John Monash's Reinforced Concrete and Monier Pipe Construction Company.

The provision of a water supply for townsfolk was life-changing. It meant easier access to water, and in most cases, cheaper water. At Murtoa in the 1880s, there was excitement at the prospect of household 'baths' as local tradesmen clambered to provide suitable plumbing for these as yet unknown facilities.⁷⁹ The new water supplies prompted the availability of new household fittings, and some of the more substantial new homes were fitted with proper 'indoor' bathrooms. As in Melbourne, the arrival of a reliable water supply meant comfortable bathrooms for wealthy country residents.

While the growth of towns was celebrated as a result of technology, in some cases towns were sacrificed for the sake of a larger catchment. In the 1920s, for example, the small settlement of Darlingford was inundated by the Eildon Dam, and the town of Glenmaggie in Gippsland was flooded by the Glenmaggie Weir. Other towns were partially demolished and then inundated in the process of dam-building, including Fellmongers, near Ballarat (c.1870); Fernshaw, near Healesville (1880s); and Tallangatta, near Jindabyne (c.1950).⁸⁰ Various buildings from these towns were relocated prior to the floodings, but in years of drought the remains of these structures have eerily resurfaced.

State Rivers and Water Supply Commission schemes

The process of connecting all households in rural townships to a reliable water supply was slow and onerous. Assistance to rural towns with more limited means came with the formation in 1906 of the State Rivers and Water Supply Commission (SRWSC) as noted in Chapter 5. By the mid 1930s, the SRWSC provided water to 98 country towns and supervised the local trusts responsible for 138 cities and towns outside the Melbourne metropolitan area.⁸¹ Despite this, some towns remained without a centralised water supply until the early twentieth century. In the 1940s and later, there were many small towns still without a public reticulated system, such as Heywood with a population of 950.⁸²

One example of a SRWSC scheme is the Wurdee Boluc system, which supplies water to Geelong and the Bellarine Peninsula. The SRWSC began investigating schemes in the mid 1920s and work began by the late 1920s. The Reservoir and associated channels and syphons were completed by 1928. In subsequent years the reservoir has been progressively enlarged and

77 For example at Garvoc (Shenam Dam) and at Woorndoo, Bev Moore, Garvoc, pers. com, 2001; Chris Fitzsimmons, Mortlake, pers. com., 2001, cited in Doyle and Context P/L, 'Moyne Shire Heritage Study, Stage 2', vol. 3, 2006.

78 Cannon (1982), p. 101; Geoff Mathison, Winchelsea & District Historical Society, pers. com., 18 August 2007.

79 Jenny Rabl, *The Romance of the Old Tower* (1986), p.7.

80 Withers, *History of Ballarat*, (1999 facsimile; 1870), p. 158; Dingle and Doyle, *Yan Yean* (2003), p.85; Powell (1989), p. 298.

81 The Victorian and Melbourne Centenary Celebrations Council, *The Official Centenary Guide and Souvenir* (Melbourne, 1936), p. 71.

82 McIntyre and McIntyre, *Country Towns in Victoria* (1944), p. 119.

additions and improvements made including the construction of the East and West Barwon River Diversion weirs and tunnels.⁸³

The SRWSC also constructed township supplies as part of the vast Wimmera-Mallee water supply system (see below). As we shall see in Chapter 3, the SRWSC also developed many irrigation schemes in Victoria.

Wimmera-Mallee Stock and Domestic Supply System

A notable rural water supply scheme is the Wimmera-Mallee Stock and Domestic Supply System, which (as the name implies) principally supplies water for stock and domestic use, but has been extended to include some irrigation. Thought to be one of the largest schemes of its kind in the world, it supplies water by open channel to about 22,000 farm storages on over 15,000 rural properties and to some 50 towns spread over 28,500 square kilometres.

The scheme, situated in the dry Wimmera-Mallee region of Victoria, was commenced in 1887 following a dry period in the late 1870s, but its beginnings can be traced to the 1850s when the Wilson Brothers of Longerenong constructed weirs on the Wimmera River to divert water for domestic and stock use. In 1878 the Shires of St Arnaud and Dunmunkle constructed a timber weir on the Wimmera River at Glenorchy, while the Wimmera Shire began a weir on the same river at Longerenong. Following this, a local water authority, the Wimmera United Waterworks Trust, formed in 1882, built the Lake Wartook Reservoir in 1887. The trust used the natural watercourses - the Wimmera River, Yarriambiack and Dunmunkle Creeks, and the Richardson River - as the main distribution channels.

Settlement in the Northern Wimmera and Southern Mallee in the late 1880s and 1890s, placed further demands on the water supply, and led to many new channels being constructed. The 1902 drought placed enormous pressure on the new water supply, which resulted in the construction of Lake Lonsdale in 1903. The SRWSC took over control of the scheme in 1906 and undertook extensive development of the system using a range of components including artesian bore supplies, catchment tanks, artificial catchments (see section 2.4), channel and pipeline water supplies. It is said that 'No matter where settlement occurred in the Mallee, the Commission devised a method of water supply to meet its needs'.⁸⁴

The SRWSC commenced a channel construction program for stock and domestic supply with branches from the Sea Lake and Long Lake main channels in 1906-7, Sea Lake being the first Mallee township to receive a reticulated water supply as a result. Following the 1914 drought the SRWSC constructed additional reservoirs at Fyans Lake and Taylors Lake; in 1919 (also a dry year) Pine Lake was authorised. The Waranga Western Channel, which brings water from the Goulburn and Loddon River systems, was extended westwards following the dry years of 1927-30 in order to supply the northern part of the system. New reservoirs, including Moora Moora Reservoir, Green and Dock Lakes, further extended the system between 1934 and 1935.

The construction of the Rocklands and Toolondo reservoirs in 1953 made it possible, by 1962, to draw the water supply from the Grampians reservoirs instead of the Waranga Channel. However the drought of 1967-68 made this new measure no longer effective and the channel was once again drawn on. The SRWSC managed the Wimmera-Mallee system until 1984 and it is currently managed by one of its successor bodies, Grampians Wimmera Mallee Water..⁸⁵

⁸³ LCC, *Historic Places Special Investigation. South Western Victoria Final Recommendations* (1997), p.89

⁸⁴ Andrew Ward & Associates, *Mallee Area. Review of Historic Sites*, LCC, 1986 p.28

⁸⁵ GWM Water website: <http://www.gwmwater.org.au>

Heritage - Theme 2.3: Developing water supplies in rural areas

- Places associated with rural township water supply schemes include Aringa reservoir, Port Fairy, the Water Towers in Victoria Park, Cunningham Street, Sale (HO102, Wellington Planning Scheme), Water tower and tank, 12 Millard Street, Wangaratta (VHR H1833), Benalla Water Supply Depot, Riverview Road, Benalla (VHR H1048), Bairnsdale water supply system including the pumping station, tank and storage tower (VHR H2040), and the Rokeby Water Pumping station complex on the Tarago River, Old Telegraph Road West Rokeby (HO207, Baw Baw Planning Scheme)
- Objects associated with the development of rural township water supplies include the records of the former Water Trusts, many of which are now held by local historical societies.
- The Wurdee Boluc scheme is one example of a rural scheme designed and constructed by the SRWSC
- Places forming part of the Wimmera-Mallee Stock and Domestic Supply System including 12 storages such as Lake Wartook and Lake Lonsdale, and the network of channels and other infrastructure such as bores, catchment tanks, artificial catchments and pipelines

2.4 Developing water supply technology

As we have seen in section 1.2, early water supplies were relatively unsophisticated and usually involved drawing water from the nearest source available. However, as settlements have developed so too has the technology associated with the collection, storage, supply and distribution of water. This section considers the development of technology associated with large scale engineered schemes specifically associated with township and rural systems.

As we shall see, much of the early engineered schemes such as Yan Yean and Coliban used technology imported from overseas (usually from England), which was applied to Australian conditions. While this technology was, on the whole, successful problems often emerged that associated with local inexperience or a failure to adapt standards to suit Australian conditions.

Early small scale schemes

As noted in section 2.3 early township water supplies often relied on pumping water from the nearest available source, often a river. For example, the Western Wimmera Irrigation Trust, formed in 1888 constructed a pumping station on the Wimmera River to provide a water supply for Dimboola. A weir was built in 1902 to improve supplies. Many early weirs were of simple timber construction and were intended to divert or re-distribute water rather than create storages – Weir technology is discussed further in section 3.5 in the context of irrigation schemes.

Engineered schemes⁸⁶

The technology associated with the development of engineered water supply schemes is demonstrated by different systems across Victoria. What is extraordinary about many early systems such as Yan Yean and the Coliban is that many of the early components remain in use today, more than 100 years after they were first commissioned. This layering of technology, often within a single system, provides a fascinating insight into the development of water supply infrastructure. Key components of engineered schemes include Storage reservoirs, service reservoirs, transfer mains and distribution mains.

⁸⁶ Unless otherwise noted, the source of information about dam technology in this section is the ANCOLD website - www.ancold.org.au. Information about system components was provided by Paul Balassone of Melbourne Water

Storage reservoirs

A reservoir is essentially the storage volume created by constructing a dam across a valley. With a dam in place, water can be stored in the valley upstream of the dam structure to form a 'reservoir' of stored water'. Large dam⁸⁷ technology was introduced into Victoria with the construction of the Yan Yean Reservoir. The Yan Yean Dam is an earthfill embankment dam with a 'puddled' clay core. It was the second large dam to be constructed in Australia and followed the construction of a dam at Parramatta west of Sydney, which used concrete arch technology. The Yan Yean scheme was also innovative as a gravity-fed scheme – that is, rather than relying on pumps to distribute the water, it relied on gravity to convey the water to Melbourne from the storage reservoir at Yan Yean.

Yan Yean had a significant influence on the development of later water supply schemes in Victoria. Almost all town supply schemes that followed relied on gravity and 26 out of the 35 large dams constructed in Victoria prior to World War II were of earthfill embankment construction. "Puddle clay" core dams are no longer built in Australia - the advent of modern construction machinery has rendered this type of dam, with its high labour content, uneconomic to construct.

Other types of large dam technology include rockfill embankment, concrete gravity, concrete buttress, concrete arch, multiple concrete arch and some that are variations or combinations – e.g. earthfill embankment with a central concrete gravity section.

The dam at Lower Stony Creek built in 1873- 1874 in the Brisbane Ranges 33 km north of Geelong is notable as a very early example of concrete gravity dam, and was the first dam in Australia built with mass concrete, using Portland cement. It was designed by George Gordon immediately after he arrived in the colony to take up the position of Chief Engineer of Water Supply in the Department of Mines, and built by engineer, Edward Dobson.⁸⁸ Another early example of this type of dam is Evansford Dam, which is part of the Clunes water supply.

Other features associated with reservoirs include the outlet tower, where water is drawn from and conveyed to the transfer main, and by-wash, which allows for overflows.

Service reservoirs, water towers and standpipes

Service reservoirs are smaller reservoirs where water is stored just prior to distribution to consumers. Historically, they were built to provide the dual function of balancing supply with demand and maintaining adequate pressure throughout the distribution network. This means that they can be filled gradually (with water from the storage reservoirs) during periods of low demand, but then have a relative large volume, locally available, for rapid distribution when demand is high. In addition, they can sometimes assist with improving water quality by allowing water to settle and filtering impurities.

For example, the service reservoirs at Preston, part of the Yan Yean system, fulfilled the dual roles of regulating pressure and improving water quality. The latter task was done by passing water through bar gratings which screened out "only the very roughest material in suspension". Early in the twentieth century new screens "of the finest mesh used for water supply purposes" were installed at Preston. Eventually a new screening chamber was constructed in 1911.

Reservoir No. 1 at Preston was constructed in 1864 using puddle core earth banks lined with bluestone pitchers, while Reservoir No.2 was constructed in 1909 of reinforced concrete by John Monash's Reinforced Concrete and Monier Pipe Co. The latter example experienced problems with leakages and service reservoirs constructed after this date by the MMBW were constructed of mass concrete.

⁸⁷ A 'large dam' is defined by ANCOLD as one that is more than 15m in height or more than 10m in height if certain conditions are met – see www.ancold.org.au

⁸⁸ Brian Harper, pers. comm. – he cites his own paper 'Edward Dobson and the Mass Concrete Gravity Dam on Stony Creek for the Geelong Water Supply' - Proceedings of the Institution of Engineers Australia 9th National Engineering Heritage Conference, March 1998

Service reservoirs are often in the form of water towers (sometimes known as standpipes), which because of their size have become landmarks in many towns – At Mooroopna and Nagambie, for example, the water tower is prominently sited in the central reservation of the main street.

Early water towers were constructed of brick or cast iron (or both), but later of massed or reinforced concrete. A total of sixteen reinforced concrete Water Towers were constructed by the RCMP Co. prior to World War I. Tatura has examples of both cast iron and reinforced concrete water tanks, the latter constructed by the RCMP Co.. The example at Bairnsdale, also constructed by Monash's company is one of the earliest in Victoria.



*Donald water tower in
1911*

**Figure
18**

[SLV H97.205/1]

Transfer and distribution systems

Transfer mains are typically large diameter pipes or aqueducts that convey large water flows around the water supply system usually between storage Reservoirs and Service Reservoirs, while reticulation mains are the smaller pipes that convey water to individual consumers.

In many early schemes, reticulated supply was initially often only available to a restricted number of residences in some towns, and so public standpipes were provided for those not directly connected to the supply.

The Yan Yean system used cast iron pipes, which began to be replaced by wrought iron pipes from the late nineteenth century onwards. Some of the cast iron pipes of the original Yan Yean system are still in situ, but are no longer in service and there are some decommissioned wrought pipes throughout the Melbourne metropolitan area. Another early method of pipe construction was 'wood stave' – this was used for many rural water supplies such as at Sale and St Arnaud. By the twentieth century mild steel became the predominant pipe material, along with reinforced concrete and ductile iron.

Aqueducts were used as part of transfer mains in many systems constructed up to the middle of the twentieth century. The early aqueducts constructed as part of the Yan Yean and Coliban systems utilised local materials, usually stone. From the early twentieth century, concrete began to be the preferred material – for example, the aqueducts that from O'Shannassy system, commenced in 1910, were constructed in concrete. Features associated with aqueducts include flumes to carry the water across a stream or valley, and syphons to convey it down a steep incline. Aqueducts are no longer constructed and many of the early aqueducts have been enclosed or decommissioned and replaced with pipes although some remain in use.

The Wimmera-Mallee system used a series of open channels for its system of transfer mains and as part of its distribution network, but these are now being replaced with pipes as part of a massive project designed to improve the efficiency of the system.

Wimmera-Mallee Stock and Domestic supply system

As noted earlier in this chapter, the additions to the Wimmera-Mallee Stock and Domestic Supply System by the SRWSC in the twentieth century used a range of specific and sometimes unique technologies to provide water supplies to remote and arid areas. This included the use of artesian bores, pumping stations, catchment tanks and artificial catchments (known as the 'ironclad catchment').

Bores and windmills

The SRWSC put down exploratory lines in 1911 and 1913 and by 1915 there were 79 successful bores supplying water to 2500 people on farms and in townships between Underbool and the South Australian border. Each bore typically consisted on the above ground elements including a windmill, tank, standpipe with stopcock, rough and earth tank. Over time many of the original bores have been modified or decommissioned and in 1978 less than ten original examples were known to survive.⁸⁹

Catchment tanks

In the arid areas of the Wimmera and Mallee many waterways offer only intermittent supply and so the solutions devised by the SRWSC were aimed at gathering peak surface flow rather than constructing dams across waterways. Catchment tanks were one method of achieving this objective. In 1910 the SRWSC, at the request of the Government commenced construction of large catchment tanks at convenient points where underground water is not found and where channel supplies had not yet reached. By 1928 260 tanks had been constructed, which enabled the opening up of areas for settlement in advance of more permanent water channels.⁹⁰

The 'ironclad' or artificial catchment

In certain parts of the Mallee outside of the 'bore' area there was land to which channel supplies could not economically be extended and due to soil conditions natural water catchments and holding ground for storages could not be obtained. The solution developed by the SRWSC was the 'ironclad catchment', which involved watertight covered storages made up of galvanised iron sheets laid on sloping ground, turned up and clipped together at the edges, to capture water from rainfall. For an average farm the iron was to cover about ½ acre of ground and the storage tank would hold 65,000 gallons. One example, constructed near Nowingi in 1933 remained in use until 1974.⁹¹

Pumping stations

While the Wimmera-Mallee system, like most township supply systems, relied predominantly on gravity to distribute water a number of pumping stations were built to bring water to land above the level or reach of the gravitational system. Between 1913 and 1947 over twelve pumping stations were constructed. The original installations were powered by steam,

⁸⁹ Ward, Andrew, *Mallee Area Review Study of Historic Sites*, Land Conservation Council, 1986, pp.28-9

⁹⁰ *Ibid*, pp.29-30

⁹¹ Andrew Ward & Associates, *Mallee Area. Review of Historic Sites*, LCC, 1986

converted to diesel and finally to electricity. An operation example of a steam engine has been retained at Lock 9 (Millewa A).⁹²

Problems with technology

The early systems were hampered by a variety of problems. For the Yan Yean system, James Blackburn designed two pressure-relieving valves, which failed to work resulting in pipe bursts. The problem was only remedied by the construction of a holding reservoir at Preston. At Ararat, the pipes were made from bitumen and compressed cardboard, which inevitably developed leaks and had to be replaced with cast iron.⁹³ The Coliban water supply system, centred at Bendigo, faced ongoing difficulties as a result of underestimating flow rates during peak rainfall periods – it is understood that the original calculations were based on British models, which did not take account of vagaries of Australian climatic conditions. Further failures are discussed in section 6.6.⁹⁴

Heritage - Theme 2.4: Developing water supply technology

- Objects – Plans, specifications and other materials associated with the construction of the Yan Yean system now held by the PROV
- Dam technology – Yan Yean Reservoir, and the Lower Stony Creek Dam, north of Geelong
- Service reservoirs – Preston No.1, No.2 & No.3, High Street, Reservoir, Surrey Hills (HO34, Whitehorse Planning Scheme), Mitcham (HO119, Whitehorse Planning Scheme)
- Transfer and distribution mains - Cast iron and wrought iron pipes within the Yan Yean pipe reserve. Wood Stave pipes associated with the St Arnaud systems are thought to survive in Kara Kara State Park. Also the Maroondah aqueduct, and aqueducts and channels forming part of the Coliban system.
- Water towers – Cast iron and reinforced concrete water tanks/towers at Tatura (HO116 & HO117, Greater Shepparton Planning Scheme) and the reinforced concrete tank that forms part of the Bairnsdale water supply (VHR H2040) (There are numerous other examples in country towns throughout Victoria and in Melbourne)
- Wimmera Mallee system - Nowingi Iron-clad catchment, Nowingi (HO157, Mildura Planning Scheme) and Millewa A and Millewa C pumping stations (HO150 & HO151, Mildura Planning Scheme)
- The pressure relieving Valve Houses constructed for the Yan Yean system at Mill Park (HO25, Whittlesea Planning Scheme) and Preston Reservoir – the latter example retains the original machinery.

⁹² Ibid, pp.31-4

⁹³ R.A. Blachford, *The Centenary of Water Supply in Ararat 1876-1976* (Ararat and District Historical Society, August 1976), p.

12. Bitumised pipes were also used at Creswick in the 1860s (see *Argus*, 11 September 1862, p. 5).

⁹⁴ The *Argus* newspaper reported at length on these problems during the 1870s.

3. HARNESSING AND DISTRIBUTING WATER FOR IRRIGATION

This theme looks at the development of adequate systems of irrigation in Victoria, from the early efforts of innovative individuals through to the large-scale irrigation areas developed by the *State Rivers and Water Supply Commission* (SRWSC). It traces the history of state legislation concerning irrigation in the 1880s, which made possible the Chaffey brothers' irrigation scheme on the Murray and culminated in the creation of the SRWSC in 1905. It examines the subsequent collaborative role played by the Closer Settlement Board and the Department of Agriculture in developing large irrigation areas. This theme is important because it recognises the importance of irrigation to the development of agriculture and fruit-growing in Victoria in the late nineteenth and early twentieth centuries. It is also an important part in the larger story of water scarcity and the efforts settlers and governments made to remedy this.

This chapter incorporates the following Australian Historic Themes:

AHT	3 Developing local, regional and national economies, especially 3.5, 3.9, 3.11; 2.5 Promoting settlement.
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3.1 Early irrigation schemes (1840s-70s)

An ample and reliable provision of water was critical for the cultivation of food, and hence for the survival, progress and development of the colony. The British reformer E.G. Wakefield, who was the architect of the South Australian settlement in the mid 1830s, was one of the first to recognise the need to conserve an adequate supply of water in the colonies for agricultural purposes. In the mid 1830s, possibly with the recent failure of the Swan River settlement in mind, he emphasised the paramount importance of water for the survival and success of the new colony in the southern part of Australia.⁹⁵ Around the same time, surveying the country atop Pyramid Hill, north of Bendigo, the explorer Major Mitchell noted in his diary that the country was 'suitable for irrigation'.⁹⁶ The Polish explorer, Count Paul Edmund Strzelecki, also noted in 1845 'the suitability of various rivers for irrigation' and was particularly impressed with the Gippsland river flats'.⁹⁷ The engineer James Blackburn had also recognised this need in his original plan for Melbourne's water supply in the 1840s, in which he had incorporated an irrigation scheme from the Plenty River (though this was ultimately not carried out).⁹⁸

Innovative settlers devised various home-made irrigation schemes from the 1850s onwards, with varying degrees of success. In 1857, for example, Scottish farmer David Milburn was pumping water by hand from the Maribyrnong River to water his property Grange Farm, Keilor. This system was improved with horse-driven pumps and later hydraulic rams, for which

⁹⁵ Edmund Gibbon Wakefield, *The New British Province of South Australia* (1835), pp. 13-15 (but note that his discussion here of 'South Australia' was not limited to the current State of South Australia but referred to the south eastern part of the continent - check), discussed in Colin Swinburne Martin, *Irrigation and Closer Settlement in the Shepparton District, 1836-1906* (Melbourne University Publishing, Carlton, 1955), pp. 19-20.

⁹⁶ J.W. Moore, 'Irrigation Development', in *Victoria's Resources*, [date not cited], p. 22.

⁹⁷ Colin Swinburne Martin, *Irrigation and Closer in the Shepparton District* (1955), p. 19-20.

⁹⁸ Dingle and Doyle, Yan Yean (2003), p.11.

he constructed a weir across the river.⁹⁹ In 1859, Italian farmer Sydney Ricardo pumped water from the Yarra River by steam engine to irrigate his Heidelberg property and dug 'a series of contour canals, after the Italian system'.¹⁰⁰ G. Eason drew on a spring to irrigate some fruit trees and vegetables at Scots Marsh, near Ballarat, and John Garden irrigated a vineyard at Taradale.¹⁰¹ In 1873, the successful biscuit manufacturer Thomas Swallow established a pioneering irrigation scheme on 320 acres of leased land at Shepparton Park 'to prove his theory of intense cultivation of dried fruits' for use in his factory.¹⁰² A smaller scale irrigation scheme was constructed in 1877 by James Frazer Watkin, at this property known as *Belmont* near Beaufort. This comprised a small reservoir and connected by a four inch main to the garden of his property, which is still in use today. In 1882, a farmer named Garden developed a large-scale irrigation operation at Cohuna, using a centrifugal pump and steam-powered engine. This made a significant impression on Alfred Deakin and encouraged Deakin's efforts in establishing irrigation schemes.¹⁰³

Other private irrigation systems were at work. In the late 1830s, The Chief Protector of Aborigines in Victoria, George Augustus Robinson, had observed and reported on Aboriginal water supply systems.¹⁰⁴ At Yelta Aboriginal mission on the Murray River, Thomas Goodwin devised an early irrigation system in 1855, which used a windmill to feed water into channels for vegetable-growing.¹⁰⁵ in the late 1830s and early 1840s. On the Yarra flats in Melbourne, and river flats in the gold-mining districts, immigrant Chinese used rudimentary irrigation methods to grow vegetables for their market gardens.¹⁰⁶ Groups of settlers also took upon themselves the task of harvesting water from rivers and creeks using diversion weirs for their collective use to water stock. In the East Loddon area, farmers built a weir on the river for this purpose in 1858, while in 1856 the Wilson Brothers at Longerenong diverted water from the Wimmera River into Ashens and Yarriambiack creeks – this latter weir was the beginnings of the Wimmera-Mallee Stock and Domestic Supply System as described in section 2.3. .¹⁰⁷

There was little public interest in irrigation and it took considerable time for the Victorian government to fund and develop large-scale irrigation works. In the racially biased minds of many European settlers, a negative attitude towards irrigation in the 1850s and 1860s stemmed from derogatory attitudes towards Chinese labour.¹⁰⁸ It was only after the decline of gold-mining, and the growing number of ex-miners who turned to farming in the drier country of northern and central Victoria, that the government was pushed to address the issue of water supply for irrigation.

99 L.R. East, *Pioneers of Irrigation in Victoria* (1961), p. 2; *Victorian Year Book* (1973), p. 116; Tony Dingle, *Settling* (1984), p. 119; Hugh Anderson, *Saltwater River History Trails* (Red Rooster Press, Ascot Vale, 1984); Susan Jennison, *Keilor's Heritage* (1997).

100 Sydney Ricardo's irrigation scheme was noted in the *Victorian Agricultural and Horticultural Gazette*, 21 November 1859, pp. 118-120; the quote has been taken from the *Argus*, probably October – November 1859.

101 L.R. East, *Pioneers of Irrigation in Victoria* (1961), p. 2.

102 Myrtle L. Ford, *Flour Mills and Millers of the Goulburn Valley* (1983), p. 49.

103 L.R. East, *Pioneers of Irrigation in Victoria* (1961), p. 3; *Victorian Year Book*, 1973, p. 116.

104 See Gary Presland (ed.), *Journals of G.A. Robinson, May to August 1841: Extracts of manuscripts held in the Mitchell Library*, Sydney (Ministry for Conservation, Melbourne, 1980).

105 <http://www.geocities.com/mallee2001/yelta/yelta.html?200630?200729?20074>; accessed 3 August 2007.

106 Dingle, *Settling* (1984), p. 119. For the Chinese market gardeners, see 'Bendigo market garden site', VHR.

107 *Water and Our Heritage*, 1988, no page numbers.

108 Dingle, *Settling*, 1984, p. 119.

In 1860, the Victorian government invited essays that investigated the use of Victoria's natural resources for colonial development. William Story wrote a prize-winning essay on the importance of irrigation. He stressed the importance of finding the most advantageous sites for water storage before Crown land had all been sold; he also forecast the establishment of local trusts for administering water supplies.¹⁰⁹ Another prize essayist, William Acheson, proposed an elaborate scheme to drain the salt water from Lake Corangamite into the Barwon River, converting it to a fresh water storage, which could be used for water supply and irrigation across a large area from Lake Corangamite to Geelong. Acheson also proposed diverting the Goulburn River and using this supply to irrigate the area between the goldfields and the Murray River.¹¹⁰ An earlier scheme for irrigation by F.C. Christy, which proposed using the Moorabool River to irrigate the volcanic plains near Geelong, was read before the Royal Society of Victoria in 1856.¹¹¹ These ambitious schemes were largely academic; there was neither the means nor the motivation to make them a reality.

The first practical steps towards the development of a large-scale irrigation scheme came in the 1870s with the formation of the Grand Victorian North West Canal, Irrigation, Traffic and Motive Power Company Ltd. Its founder, Benjamin H. Dods, was an ambitious Scottish hydraulic engineer whose dream it was to build a canal from Murchison on the Goulburn River that flowed through to the Wimmera and then south to Portland and the sea.¹¹² Whilst the scheme was ultimately impractical, the debate surrounding the project, maintained by the company's energetic secretary Hugh McColl, raised public awareness of and interest in irrigation.¹¹³

Meanwhile, settlers continually sought to increase the area of arable land. Where the country was dry it needed water; where it was swampy it required drainage. Large swamps were drained for farming from the 1870s, both privately and by the local councils. In south-west Victoria, for example, numerous swamps resting on the basaltic, but otherwise rich pasture lands were drained in the 1870s, including Lake Gorrie and Tower Hill swamp; work on the latter was carried out by immigrant Chinese labourers. Here, miles of channels were dug through the stone for drainage, as well as stone culverts over myriad tunnels. Likewise, in Gippsland in the late nineteenth century, the extensive Koo Wee Rup swamp was drained for use as farmland.

Heritage - Theme 3.1: Early irrigation schemes 1840s-1870s

- Early irrigation systems at Longerenong Homestead, Burnt Clay Road, Murtoa (VHR H2990) and *Belmont*, Beaufort-Amphitheatre Road, Beaufort (VHR H0644)
- Chinese market gardens (1850s), Bendigo [VHR]
- Milburn Weir (c.1884), near Arundel Road, across Maribyrnong, Keilor (HO35, Brimbank Planning Scheme)
- Former Yelta Aboriginal Mission site (1855)

3.2 Irrigating Victoria (1880s onwards)

The passing of a series of Acts in 1880s, which were championed by the Minister of Water Supply, Alfred Deakin, laid the foundations for the construction of large-scale irrigation

109 L.R. East, *Pioneers of Irrigation in Victoria*, 1961, p. 3.

110 East, *Pioneers of Irrigation* (1961), p. 4a; J.M. Powell, *Watering the Garden State* (1989), p. 86.

111 His paper was read to the Royal Society of Victoria in 1856; from Dingle (1984), p. 119.

112 Dingle, *Settling* (1984), p. 119.

113 East, *Pioneers of Irrigation* (1961), p. 6.

schemes that would profoundly change the development of agriculture and patterns of settlement in Victoria.

The Water Conservation and Distribution Acts, 1881 and 1883

The drought years of the late 1870s, and the ongoing struggle of farmers on their new selections, raised concerns about how to best irrigate the dry northern plains of Victoria. To investigate this problem, the Government appointed a Water Conservancy Board in 1880 with two members: George Gordon, formerly Chief Engineer of Water Supply, and Alexander Black, Assistant Surveyor-General. Following recommendations in their report of 1880, a number of weirs were constructed on major waterways in north-central Victoria, including the Broken River, the Loddon River, and the Avoca River.¹¹⁴

Following Gordon and Black's report, the Minister for Water Supply, Alfred Deakin, introduced new legislation (the *Water Conservation and Distribution Act 1881*) that was designed to help establish local waterworks trusts, and which allowed local trusts to borrow funds from the government for the construction of irrigation works. The trusts could then charge water rates to users in order to recoup their costs and pay the interest on the loans. The 1881 Act also protected the waterways for future use.¹¹⁵ An Order-in-Council, dated 23 May 1881, effectively alienated the frontages of virtually all the rivers, lakes and water courses in Victoria that were not already alienated from the Crown.¹¹⁶ As L.R. East pointed out, this was the first such legislation to provide expressly for irrigation works.¹¹⁷

The largest waterworks trust was the United Echuca and Waranga Waterworks Trust, which was formed in 1882. Its grand plans to dam the Goulburn and divert water to the Waranga Basin were not put into effect until 1891.¹¹⁸ Over the next five years, 23 trusts were formed and a number of significant works carried out, particularly in the Wimmera. Here, the Wimmera United Water Trust took over responsibility of the Glenorchy Weir. It also built the Wartook reservoir (1887) and the Longerenong Weir (c.1880s), and a network of irrigation channels.¹¹⁹ Labour was readily found from among the large number of former gold miners, who had become expert in digging troughs and wells.

The components of irrigation works were similar to those of water supply systems. Early systems simply pumped water from the river and then through a weir into a channel. They comprised a storage reservoir (for irrigation this was often constructed on an existing waterway and a weir installed at the downstream end), which flowed into a network of channels, including main channels and private channels running off the main channel. Feeder channels were also constructed, but in many cases, where possible, existing water courses were used for this.¹²⁰ An efficient irrigation system required a very slight slope to the land. In Victoria, much of the land adjacent to the Goulburn and the Murray - two of Victoria's largest rivers, both with a relatively strong and reliable stream flow - was relatively flat and well suited for irrigation.

114 East (1961), p. 7; Dingle (1984), p. 120.

115 Powell, *Watering the Garden State* (1989), pp. 100-101; W. Bell, *Irrigation for Farmers* (1890), p. 75.

116 East (1961), pp. 5-6.

117 East (1961), p. 7.

118 East (1961), p. 7.

119 Dingle (1984), p. 120. The Western Wimmera Irrigation Trust later took over the Wartook Reservoir (East (1961), p. 8).

120 Dingle, 1984, p. 120.



Waranga Basin, 1920
[SLV RWP/U397]

**Figure
19**

The 1881 Act was amended by the *Water Conservation and Distribution Act 1883*. Under this legislation, 'irrigation trusts could be formed by three-fourths of the landowners owning two-thirds of the land in a district submitting a petition defining the proposed irrigation district and outlining a scheme for water supply. The Minister would then order a survey and report on the project, including an estimate of the amount of water likely to be available for irrigation after stock and domestic animals had been satisfied.'¹²¹

Irrigation was still being carried on privately, for example along the Murray. Fruit-growing was being carried out successfully before the arrival of irrigation water. At Echuca in 1885, it was reported:

*Fruit trees of all kinds thrive, the orange and lemon being very prolific, and should water ever be carried unto these plains, the lands would be easily and profitably converted to any use. This is particularly proved by the extensive irrigation works of D. Chrystal and Leech.*¹²²

The Irrigation Act 1886

In order to best plan for the future needs of water supply, the Victorian Government appointed a Royal Commission on Water Supply in 1884, which was chaired by Alfred Deakin, the Minister of Water Supply, with Stuart Murray acting as secretary. Deakin investigated in detail the irrigation systems of a number of other countries, including North America, India, Egypt and Italy. He recognised the need to abolish private water rights in order to provide the best system of public water supply.¹²³

As a result of this Royal Commission, the Government passed the *Irrigation Act 1886*, which overruled common law riparian rights regarding the use of water for other than domestic and stock purposes.¹²⁴ In place of the common law riparian rights:

¹²¹ Colin Swinburne Martin, *Irrigation and Closer Settlement in the Shepparton District*, 1955. p. 34.

¹²² 'Echuca Borough', *Victorian Municipal Directory* 1885, p. 57.

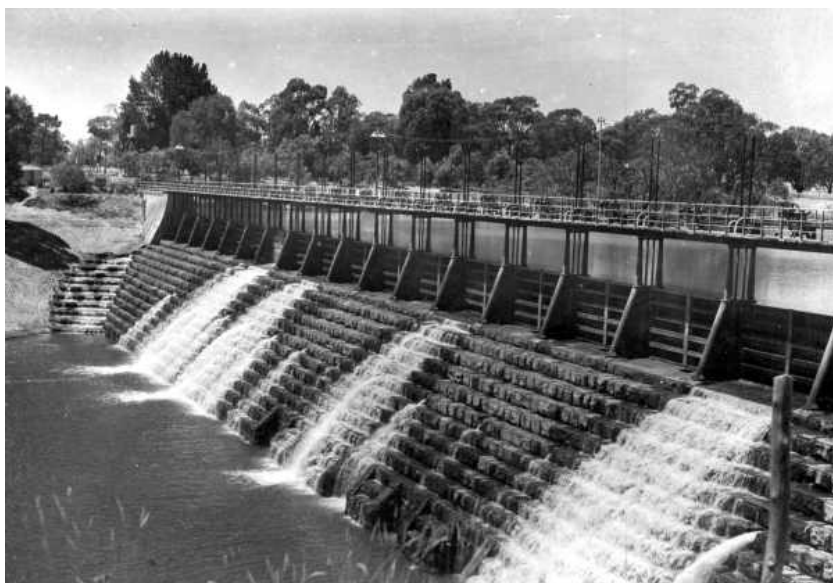
¹²³ East, 1961, pp. 8, 10.

¹²⁴ Department of Water Resources Victoria, *Water Resource Management Report Series Water Law Review Report No. 4 – Riparian Rights*, p.1

- An adjacent owner was given a new statutory right to take water for domestic, stock and household garden use;
- All landowners were entitled to apply for a licence to divert water for irrigation or other purposes;
- Upstream owners were deprived of their ability to obtain a right to divert water by long use;
- As a necessary consequence, downstream users were deprived of their right to sue upstream users in the absence of damage.¹²⁵

The Act's significance was that it encouraged large scale private irrigation development.¹²⁶

Under this Act, the government approved and provided advance funds for irrigation works to be carried out by the newly established local water trusts. There were nearly ninety irrigation trusts set up under the 1886 Act. The government also funded so-called 'national' works. The first state-funded works, commenced in 1887 and supervised by Engineer in Chief of the Water Supply Department, Stuart Murray, were the Goulburn Weir on the Goulburn River, and the Laanecoorie Weir, on the Loddon River, which formed the foundation of a vast irrigation system planned for the Goulburn Valley.¹²⁷ Typical works carried out in the 1890s included building new weirs, installing pumps and pumping stations, digging feeder channels and installing sluices. To increase the available water supply, work on the Waranga Basin reservoir was commenced by 1891.¹²⁸



Goulburn Weir, 1946
[SLV RWP/2208]

**Figure
20**

The Mildura Irrigation Scheme

Alfred Deakin had been greatly impressed with the grand schemes for water supply and irrigation that he discovered in the western states of the USA on a visit there in 1884. Hoping to emulate these developments in Victoria, he invited the brothers George and W.B. Chaffey, who had established a successful irrigation settlement in California, to establish a similar

¹²⁵ Department of Water Resources Victoria, Water Resource Management Report Series Water Law Review *Report No.4 – Riparian Rights*, p.1.

¹²⁶ Clark, Sandford D and Renard, Ian A, *The Riparian Doctrine and Australian Legislation*, Melbourne University Law Review, Volume 7, September 1970, p. 485.

¹²⁷ East (1961), p. 12.

¹²⁸ East (1961); this work was first proposed in 1881.

settlement in Victoria.¹²⁹ The Chaffey brothers were granted 50,000 acres of land at Mildura and formed the Mildura Irrigation Company. Three thousand people had been attracted to the settlement by 1890. Supported by special legislation, known as the *Waterworks Construction Encouragement Act 1886*, the Chaffey brothers imported steam pumping equipment (high-lift pumping plants) to raise the water from the Murray, and had irrigation channels dug. The township of Mildura was designed to emulate the Californian town of Ontario, complete with ornamental street tree planting and an order of temperance.¹³⁰

In 1896 (following the collapse of the Chaffey Brothers companies in 1895) the Government called for a Royal Commission into the Mildura Settlement. As a result, the First Mildura Settlement Trust took over control of the settlement.¹³¹ One of the first actions of the Trust was to arrange for the continuation of the lining of the earthen channels with concrete.



No. 2 pumping station
temporary plant at
Mildura c1890
[www.coombs.anu.au]

Figure 21

Heritage - Theme 3.2: Irrigating Victoria (1880s onwards)

- Goulburn Murray Irrigation District system (1882 onwards) – Pumping plant at Murchison, Waranga Basin, Stuart Murray Channel, Cattinach Channel, Waranga Western Channel, Laanecoorie Weir
- Chaffey Bros. and First Mildura Irrigation Trust system (1880s and 1896 onwards) - Pumping stations including Psyche Bend (VHR H0548), Billabong (H0547) and Lock Nine (H0549), former Chaffey residence 'Rio Vista', 199-205 Curton Avenue, Mildura (H0729), former Irrigation Trust offices, Mildura and street plantings in Mildura

3.3 The Water Act 1905

Irrigation became more widely accepted after the drought years of the late 1890s and early 1900s, but some problems persisted. There was insufficient water in most of the channels; there was a general lack of knowledge amongst farmers about irrigation; and there was some reluctance on the part of trusts to charge local farmers for the water that was made available to them.¹³² A major problem with irrigation works was the huge up-front capital outlay. Farmers were reluctant to invest in such a costly scheme, even with the promise of future gains to be made. Many irrigation trusts had borrowed large sums from the Government under the 1886

¹²⁹ East (1961), p. 12.

¹³⁰ Powell (1989), pp. 120-27; Dingle (1984), p. 121; *Australian Encyclopedia* (1957), vol. 3?, p. 175.

¹³¹ Powell (1989), p. 297.

¹³² East (1961), pp. 13-14.

Irrigation Act in order to finance irrigation works, but there were enormous problems in recouping this money from struggling local farmers.¹³³

The passing of the *Water Act* in 1905 led to the formation in 1906 of the State Rivers and Water Supply Commission (SRWSC) which would develop and oversee waterworks and irrigation. The first offices of the new organisation opened at Tatura and Kerang. The SRWSC 'took over nearly all the irrigation works in the country towns and virtually nationalized the rivers and river banks, brought far more skill to the providing of irrigation. Later, the first Eildon Weir on the Upper Goulburn, and the great Hume Weir upstream from Wodonga, multiplied by ten the storage of Victoria's irrigation water in the years 1902-1934'.¹³⁴ In 1905 the SRWSC completed the Waranga Basin in northern Victoria.¹³⁵



Irrigation channel at Rochester showing a Dethridge Meter Wheel

Figure 22

Dated - ca. 1945-ca. 1956

[SLV H91.50/2206]

The *Water Act 1905* abolished the ailing local trusts, except the First Mildura Irrigation Trust, which remains in existence today. The Act provided for better management of irrigation systems and incorporated provisions for education of farmers about irrigation, integration with Closer Settlement schemes, and government assistance with housing needs. This work was managed by the SRWSC, which comprised three Commissioners. In addition to its responsibility for irrigation, the SRWSC assumed control of the management of local water supplies for domestic, industrial and stock purposes, and took on a duty to investigate and carry out land reclamation works, and to investigate the availability of underground water.¹³⁶

At the end of 1907, Elwood Mead, a leading American expert on irrigation management, was appointed chairman of the SRWSC. On Mead's recommendation, the SRWSC promoted closer settlement as integral to the development of irrigation, and the intensive use of water. Mead also introduced a ruling in 1909 which bound all those with access to irrigation water to have to pay a set fee, regardless of whether they used the water or not.¹³⁷ In 1910, the Chief Engineer of the SRWSC, John Dethridge, invented the Dethridge Meter Wheel (shown in Figure 23), which effectively measured individual usage of irrigation water and made water

¹³³ Smith (ed.), *Cyclopedia of Victoria* (1903), vol. 1, p. 242. The trusts had borrowed a total of not less than 588,861; and of this sum 315,115 was written off as an irrecoverable bad debt of the State.

¹³⁴ Geoffrey Blainey, *Our Side of the Country* (1984), p. 143.

¹³⁵ *Australian Encyclopaedia* (1957), vol. 3, p. 187. This storage was enlarged in 1936.

¹³⁶ East (1961), pp. 14-16; see also Dingle (1984), p. 125.

¹³⁷ Key Solutions, *Fruits of Our Labour* (2003), p. 34; East (1961), pp. 17-18.

rates easier to calculate.¹³⁸ Several large new reservoirs were built over the next decade as a way of storing greater amounts of the winter rain for the dry summer periods, and assuring a supply for irrigationists.

Closer settlement and soldier settlement

After 1905, the SRWSC purchased large areas of land in the north of Victoria to develop as irrigation areas. Legislation in the 1890s had permitted the Government's acquisition of grazing land for the purpose of closer settlement. The SRWSC subdivided land for irrigation settlements at Merbein, Shepparton, Tongala, Rochester, Cohuna, Red Cliffs, Murray Valley, Robinvale and Werribee. In many cases, for example Red Cliffs (which was one of the largest soldier settlement schemes in Australia), the land was acquired by the SRWSC specifically for soldier settlement and was taken up by soldiers returned from the First World War.¹³⁹ Irrigation also enabled closer settlement around Maffra and Sale in Gippsland in 1926, initially with little local support.¹⁴⁰ Settlers on irrigated blocks were mostly occupied with fruit-growing and dairying. The Werribee irrigation area was largely taken up with vegetable-growing.

Former soldiers were involved in the construction of water supplies and irrigation schemes in the 1920s through their employment with the SRWSC under Repatriation Schemes.

After World War II, additional soldier settlements were established in irrigated areas. Such a settlement began at Robinvale in 1946.¹⁴¹ Another soldier settlement, comprising 22,500 acres, was established near Cowwarr in Central Gippsland in the early 1950s.¹⁴² Others were established in the Murray Valley.¹⁴³

Postwar expansion of irrigation

There was massive expansion of Victoria's irrigation water storages after World War II when in the decade from 1950 to 1960 the total irrigation storage capacity increased fourfold from 1,040,000 ML to 4,880,000 ML. As a result of 'enthusiastic government support' a new reservoir was completed every two or three years up to 1971.¹⁴⁴

The major irrigation areas in the 1950s were at Werribee, the Wimmera River, Taylors Lake; Swan Hill; along the Murray both sides of Echuca; the Goulburn Valley; Waranga, and on the Macalister River in Gippsland.¹⁴⁵ Irrigation water also fed market gardens in the Springvale-Dandenong area, and farms on the Mornington Peninsula.

By far the largest storage reservoir constructed during this era was the 'Big Eildon' reservoir with an effective capacity of 3,390,000 ML. Other major storages added included Rocklands (1953, including its associated off-river storage, Toolondo), part of the Wimmera Mallee Stock and Domestic Supply system, which also represented the 'first actual diversion in Australia of a coastal river to run inland' and Cairn Curran (1955) on the Loddon River, between Newstead and Maldon to provide water for the Goulburn Murray Irrigation District.¹⁴⁶ In 1958 the

¹³⁸ East (1961), p. 21; *Victoria's Resources*, vol. 6, no. 2, June-August 1964, p. 91; Dethridge also designed moveable weirs at Torrumbarry and Mildura.

¹³⁹ East (1961), pp. 18-19, p. 22; Powell (1989), p. 297.

¹⁴⁰ East (1961), pp. 25-26.

¹⁴¹ Powell (1989), p. 299.

¹⁴² *Under Southern Skies* (c.1954), p. 20.

¹⁴³ East (1961), p. 19.

¹⁴⁴ Hallows, Peter & Thompson, Donald, *A history of irrigation in Australia*, Mildura, 1995, p.44

¹⁴⁵ *Under Southern Skies: Victoria ... Australia* (c.1954), p. 21.

¹⁴⁶ *Australian Encyclopedia* (1957), vol. 3, p. 188; East (1961), pp. 25-26

Glenmaggie Reservoir near Maffra was enlarged with the addition of flood gates and was described at the time as ‘a massive concrete dam ... conserving water from a catchment area of 730 square miles, the storage supplies the Macalister Irrigation District in Gippsland’¹⁴⁷ and ‘provides water for dairy produce on a large scale.’¹⁴⁸

By the 1970s it was recognised that irrigation in Victoria changed ‘from an expansionary phase to a mature one’. The dam construction section of the SRWSC was wound down and the emphasis shifted from to improving the efficiency of the system and to dealing with major issues such as water loss through seepage and evaporation and salinisation.¹⁴⁹



*Aqueduct, Macalister
River, Gippsland
c.1979*

**Figure
23**

Victoria State Rivers
and Water Supply
Commission

[SLVRWP/33169]

Heritage - Theme 3.3: The Water Act 1905

Irrigation scheme infrastructure associated with the various schemes such as dams, channels, bridges, flumes, locks, weirs etc. Some examples include:

- Goulburn Murray Irrigation System (post-World War II extensions) – ‘Big’ Eildon Dam, Cairn Curran and Lake Eppalock
- Werribee River Irrigation system (1912 onwards) – Pykes Creek Reservoir, Melton Reservoir and distribution system
- Macalister Irrigation System (1920 onwards) – Lake Glenmaggie reservoir and irrigation scheme infrastructure and closer settlement throughout Maffra, Sale, Nambrok and Denison districts.
- Soldier and closer settlement associated with irrigation schemes – for example at Red Cliffs, Robinvale, Shepparton, Cowarr, Nambrok, Cohuna and Kerang.

3.4 River Murray Waters Agreement (1914)

In 1914, the state governments of Victoria, New South Wales and South Australia signed the *River Murray Waters Agreement* with the Commonwealth Government, which agreed to contribute funds for the construction of two reservoirs, including the Hume, the Yarrawonga Weir, and many weirs and locks along 1300 miles of the Murray River. This would then

¹⁴⁷ *Australian Encyclopedia* (1957), vol. 3, p. 187.

¹⁴⁸ *Under Southern Skies* (c.1954), p. 20.

¹⁴⁹ Hallows, Peter & Thompson, Donald, *A history of irrigation in Australia*, Mildura, 1995, p.44

enable each state to develop new irrigation areas. Together they formed the Murray River Commission.¹⁵⁰ The resultant legislation was the *River Murray Waters Act 1915*.

Heritage - Theme 3.4: River Murray Waters Agreement

- Hume Dam (1919-1936)

3.5 Development of irrigation technology

As we have seen early irrigation systems in Victoria were simple and small in scale, however, the support of the Government as discussed in this section quickly enabled more technically complex schemes to be designed and constructed. The storage and distribution aspects of the larger irrigation systems constructed from the 1880s onwards utilised similar technology to that discussed in section 2.4 and so this section will focus specifically upon weir and pumping technology.

In contrast to dams, weirs are smaller structures constructed across rivers or creeks with the intention of diverting the water flow from the stream into a pipeline, tunnel or aqueduct. Weirs are usually only capable of harvesting a proportion of the actual flow in a watercourse, and so are designed so that excess flood flows pass over the top of the structure. Unlike reservoirs weirs do not store water, but simply impound a small pond of water to facilitate the diversion and to allow for some settlement of silt before the water is re-directed.¹⁵¹

The first weirs in Victoria were constructed using technology brought from America and adapted to Australian conditions using locally specific materials. Early examples were constructed of timber, using simple pile technology or stone-filled crib construction. Some of these failed and were replaced with weirs constructed of massed or reinforced concrete. One example is a weir on the Campaspe River, originally constructed in timber in the 1840s, which was replaced with concrete in the 1940s. As schemes developed the weirs became more sophisticated in design. A notable example is the Torrumbarry Lock and Weir, which was designed and built by J.S. Dethridge. Dethridge also designed the Mildura Lock and Weir (which is the only other lock and weir of similar design to Torrumbarry) and the Meter Wheel that bears his name (see section 3.3). Torrumbarry Weir is unusual because it could be entirely removed during high-water to allow dead trees from the Barmah/Mellewa Forest to pass down stream.¹⁵²

Another feature of irrigation schemes was the use of pumps to raise or lift the water for distribution. The original pumps, powered by steam, introduced by the Chaffey Bros. in the 1880s were still in use in the 1930s, but were converted to electric power when Mildura was connected to the State electricity grid after World War II.

¹⁵⁰ East (1961), p. 20; see also George Ritchie, *A lecture on the Murray River, Past and Present: The Mississippi of Australia* (Adelaide Mail, Adelaide, 1923).

¹⁵¹ Paul Balassone, Melbourne Water, pers. comm..

¹⁵² Heritage Victoria VHR H993 – File No. 605418



Torrumbarry Weir
Heritage Victoria

**Figure
24**

Heritage - Theme 3.5: Development of irrigation technology

- Torrumbarry Irrigation System (1906 onwards) – Torrumbarry Lock-Weir No. 26 (VHR H0993)
- Chaffey Bros. and First Mildura Irrigation Trust system (1880s and 1896 onwards) - Pumping stations including Psyche Bend (VHR H0548), Billabong (H0547) and Lock Nine (H0549)
- Robinvale (1940 onwards) – Pumping stations B, C, D, E & F ‘Re-lift’
- Campaspe Weir, Bendigo-Echuca Road & Burnewang Road, Campaspe (H7825-0029)

4. HARNESSING WATER FOR INDUSTRIAL PURPOSES

This theme traces the critical role of water-power and steam power in many industries in Victoria from the beginning of settlement. It recognises the importance of water in the manufacture of various products, and hence the contribution made by water supplies in boosting production and contributing to Victoria's economic prosperity. It also recognises the workings of early technologies that used steam power and pumps. This theme is important because it recognises the importance of reliable water supplies not only for human and stock consumption and agricultural purposes, but also for a wide range of industries in the period before electricity.

This chapter incorporates the following Australian Historic Themes:

AHT	3 Developing local, regional and national economies, especially 3.13 & 3.14.
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4.1 Using water in early industry

While the settlement of Victoria was primarily pastoral, industrial developments quickly emerged. In James Blackburn's initial plan for Melbourne's water supply, he incorporated a means of using water to generating power (and to irrigate the land), but this was later dropped.¹⁵³ Securing a water supply required the generation of power. Windmills that drove pumps for water collection were erected in Melbourne and Portland by the 1840s.¹⁵⁴ Steam power (from river water) was used to power the pump from the Yarra in the 1850s that filled the water tank on Eastern Hill.¹⁵⁵

Where centres of population emerged by the 1840s, it wasn't long before flour mills lined the rivers, for example on the Yarra, the Barwon, and the Plenty. These mills used wooden water wheels built from local timber. By 1859, there were a total of 89 flour mills in Victoria; of those 74 were steam driven, twelve were water-powered, and three were windmills.¹⁵⁶ In some cases mills drew water from a 'mill dam', which in turn was fed from a watercourse or other water supply. The Goorambeet Flour Mill in the Goulburn Valley stored water in a huge underground tank that was fed from the roof catchment and supplemented by a pipeline to the Broken Creek.¹⁵⁷

Industry followed settlement. Numerous flour mills were established in the Goulburn Valley from the late 1870s, following the opening up of the area to selectors. These included Thomas Swallow's Shepparton Flour Mills established in 1876, which provided flour for his Swallow and Ariel biscuit factory in Port Melbourne.¹⁵⁸ Following the development of an irrigation area at Maffra in Gippsland, the Maffra Sugar Beet Factory promised a bountiful production in the

¹⁵³ Dingle and Doyle (2003), p. 22.

¹⁵⁴ Learmonth (1987), p. 258, George McCrae in Flannery (ed.), *The Birth of Melbourne* (2002) p. 135. There was an early windmill, for example, in Little Lonsdale Street.

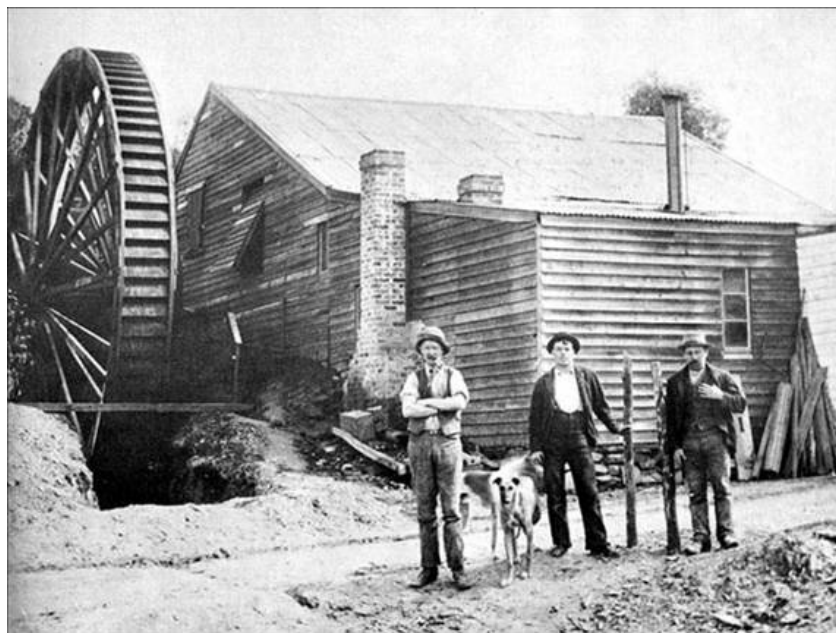
¹⁵⁵ George A. Gibbs, *Water Supply and Sewerage Systems of the Melbourne and Metropolitan Board of Works: Compiled from official documents* (MMBW, Melbourne, 1925), p. 15.

¹⁵⁶ 'Mill Power in Victoria' in *Victorian Agricultural and Horticultural Gazette*, vol. 3, no. XXXIII, 21 November 1859, p. 129.

¹⁵⁷ Myrtle L. Ford, *Flour Mills and Millers of the Goulburn Valley 1858-1980* (1983), pp. 23, 43.

¹⁵⁸ Ford, *Flour Mills and Millers of the Goulburn Valley* (1983), p. 49.

1920s, but this was short-lived.¹⁵⁹ As discussed earlier, steam locomotives were also large users of water and required a ready supply at railway stations for regular refuelling.



'Diamond Hill crushing mill, Bendigo

Figure 25

[Slide 99,
www.coliban.com.au/about/history3.asp]

In the later part of the nineteenth century, the Yan Yean system provided a reliable and seemingly limitless supply of piped water that enabled the operation of all kinds of machinery. In 1889, a hydraulic power and pumping station was erected by the Melbourne Hydraulic Power Company on the north bank of the Yarra to provide high pressure water for operating lifts and cranes in Melbourne's CBD, South Melbourne and Kensington. In 1927 a tank associated with this operation was moved to the Spencer Street power station as part of the Melbourne City Council's consolidation of the hydraulic power supply where it remained in use until 1967.¹⁶⁰

The superior quality of water coming from a large reservoir, rather than from a river, improved production at some factories, for example the Bendigo breweries. One enthusiast explained that the water from the Bendigo water-works is 'so suitable to brewing purposes that the Sandhurst [Bendigo] beer is famous all over Victoria'.¹⁶¹

In the many accounts of the colony's progress recorded in the boom years of the 1880s, there are endless examples of other water-powered industries, including paper mills (notably the extensive Barwon Paper Mill, near Geelong), timber mills, soda water and cordial factories, breweries, boiling-down works, sheep-washing and wool-scouring. There were red gum sawmills on the Murray and a wool-scouring factory on the pristine Surry River near Portland.¹⁶² At Malmsbury there was an intriguing water-powered stone sawing machine.¹⁶³ At Footscray, the borough council stated: 'several important manufactories have been established

¹⁵⁹ Rebecca Jones, 'Greening the Landscape' in Aitken (ed.), *Macalister Landscapes* (1994), pp.74-75.

¹⁶⁰ Dingle and Doyle, *Yan Yean* (2003), p. 72; these lifts were operating by at least the 1870s.

¹⁶¹ Whitworth, *Guide to Victoria* (1880), p. 282.

¹⁶² Cannon (ed.), *Vagabond Country* (1982), pp. 47, 63; see the website for the Fyansford Paper Mill.

¹⁶³ *Victorian Municipal Directory 1885*, p. 78.

... woolwashing establishments ... Footscray is specially adapted for manufactories, having good water frontage and drainage, and being easy of access by land and water'.¹⁶⁴

Industry was often criticised for polluting the rivers with noxious wastes, especially the Yarra where industry was banned by 1854. Industry was also anathema to the popular ideal of the picturesque or romantic river. But many nevertheless welcomed industrial works as important to the progress of the colony.

Most of the steam powered industries converted to electricity in the early to mid twentieth century.

Heritage - Theme 4.1: Using water in early industry

- There are a number of mills and mill sites on the VHR and VHI – examples include Dight's Mill, Kew (VHR H1522) and Anderson's Mill, Smeaton (VHR H1521), Barwon Paper Mill Company (VHR H0743), Days Mill, Murchison (VHR H1523), and Goorambeet Flour Mill in the Goulburn Valley (1884-1921 - underground water tank survived in 1983)
- Overhead water tank at the former Spencer Street Power Station (VHR H2117)

4.2 Using water for gold-mining

As alluvial gold-mining developed in Victoria it required increasing amounts of water to flush out the alluvial material. Table 4.1 provides a brief overview of the types of gold mining activities carried out and the water requirements. As noted in this table, early shallow alluvial gold mining relied on using and diverting natural steam flows, however, as the early claims were worked out more capital intensive gold extraction processes were developed.

Technique	Water requirements
Shallow Alluvial – panning (c.1850s-60s)	Relies on existing flows
Puddling (1860s onwards)	Requires small dams and races to supply water
Hydraulic Sluicing (1850s onwards)	Sluicing commenced in the 1850s, but by the 1870s mines were using hydraulic hoses requiring large volumes of water. This resulted in the need for more elaborate engineered systems with greater capacity (e.g. Coliban system)
Deep lead and Quartz mining (1850s onwards)	Water not required to extract gold – often has to be pumped out of mines rather than brought in.
Hydraulic sluicing (1920s onwards)	Improved technology enabled larger areas along the banks of waterways to be scoured away in search of gold.

Development of puddling and hydraulic sluicing

The technology of small scale alluvial mining had changed little since ancient times and a wooden cradle was the most favoured means of separating the gold from dirt in Victorian fields because it was portable and easy to set up – one man rocked the cradle and bailed water into it while another shovelled earth into the hopper of the cradle as required. Miners initially diverted water along races from the creeks and streams, in an attempt to secure sufficient water to wash out the gold, while horse-drawn 'whims' also drew up a supply of water from wells dug deep in the ground.

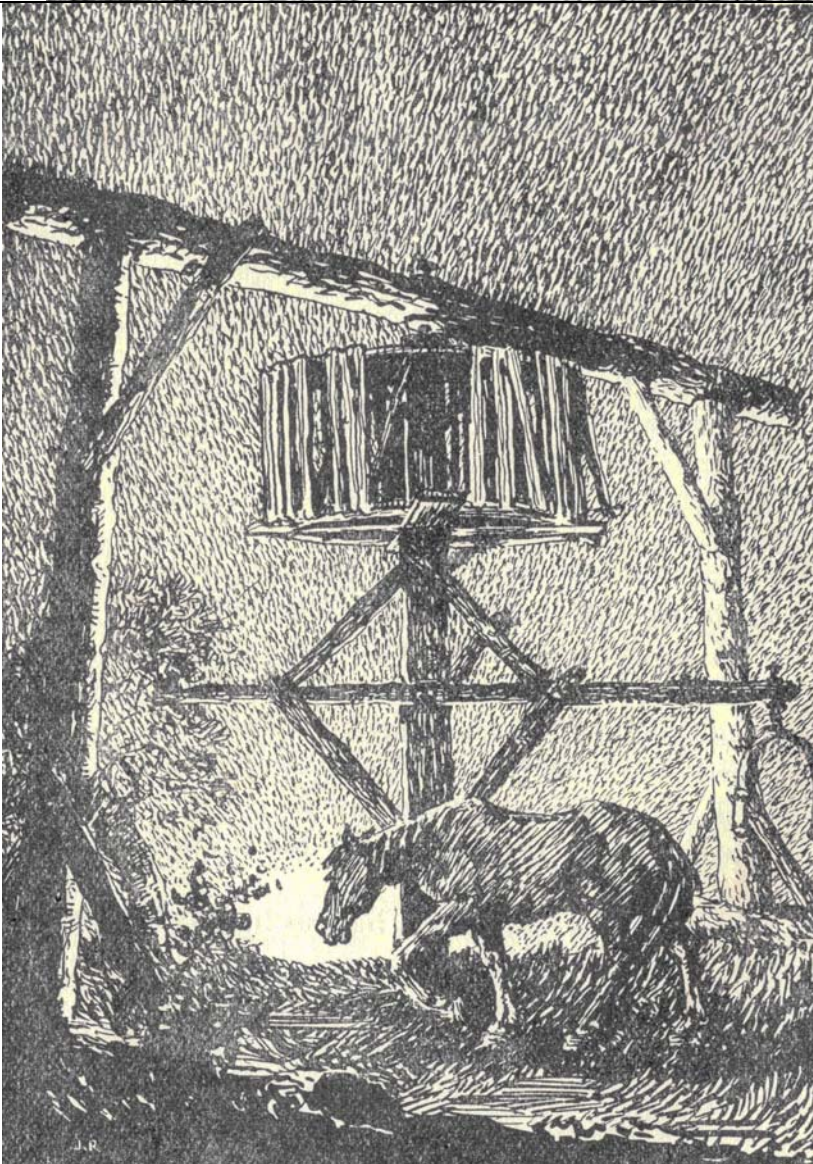
¹⁶⁴ *Victorian Municipal Directory 1885*, p. 61.



*Panning and cradling
for gold, Bendigo, 1850s*

**Figure
26**

[Slide 7,
[www.coliban.com.au/a
bout/history.asp](http://www.coliban.com.au/about/history.asp)]



'The old whim horse'

**Figure
27**

[Victorian School
Readers, Eighth Book]

The peculiar conditions of goldfields in the Bendigo and Forest Creek areas led to the development of revolutionary new technology known as ‘puddling’¹⁶⁵. Puddling became very extensive - Bendigo alone had 1000 machines at the beginning of 1854, and 1500 by the end of that year. In the early 1860s, a number of puddlers were steam powered. However, puddling had greatly declined by the 1870s.

An unfortunate by-product of the puddling process used by the miners was an odious sludge that threatened to engulf the settlements they supported. The sludge, which contained far more solids than water, literally filled the creeks with silt. By 1856 a network of sludge drains fed the main channel of what had been Bendigo Creek. Kelly described the situation in 1857: “... *the Serpentine Rivulet (Bendigo Creek) which flowed through the city, was so choked at its different windings with sludge and refuse, that a heavy fall of rain converted the whole space into a lake*”. The sludge, which was highly mineralised and would not support growth, also flowed out on to grazing and agricultural land and smothered the vegetation. Decades passed before any sort of healthy ecosystem returned to some of the streams and rivers. Fish did not return to parts of the Loddon until 1910.

In the 1850s, this work was carried out by individual miners. By the 1860s, however, the larger companies obtained steam engines to pump the water for sluicing. An early example was worked at Ballarat in 1853.¹⁶⁶ These engines pumped the water through the hillsides and old mine workings in the search for alluvial gold. Manual whips and horse-powered whims that were used for bringing the water to the surface were soon replaced by steam-driven ones.¹⁶⁷ Miners at Sandhurst (Bendigo) and Mount Alexander (Castlemaine) were greatly advantaged in the 1870s when the Coliban water system came on line. This was fed from the reservoirs using a gravity system along open channels to the mines.¹⁶⁸

Deep lead and quartz mining

By the 1860s, deep-lead mining, or quartz mining, had become more profitable and large steam-powered crushing machines were used to crush the rock when it was brought to the surface. By this stage the goldfields had become crowded with iron machinery.

Hydraulic sluicing (1920s onwards)

Renewed efforts to find gold came in the 1920s and 1930s, when many of the old mines were worked over again. Companies went in with steam engines and once used hydraulic sluicing to flush out any gold from the old mines.¹⁶⁹ By the Second World War, most of the mines ceased operations and the steam engines were removed, leaving behind a heavily disturbed, disfigured and eroded landscape.

Heritage - Theme 4.2: Using water for gold-mining

- There are numerous hydraulic gold sluicing sites on the VHR and VHI – some examples include the Red Hill Site at the Castlemaine Historic Reserve (H1230), Humbug Hill at Creswick (H1228), Pioneer and Union at Mitta Mitta (H1229), and Oriental Claims near Omeo (H1225).
- Water wheels including the Garfield Water Wheel, Castlemaine (VHR H1356, Morning Star metal pitchback water wheel at the Morning Star Gold Battery site, Heyfield (VHR H1265), and Sir John Franklin Water Wheel, Gooley’s Creek near Mansfield (VHI H8122-0013)

¹⁶⁵ For a description of ‘puddling’ please see Appendix 1
¹⁶⁶ McCann, *Steam Power* (1994), pp. 5, 9.

¹⁶⁷ McCann, *Steam Power* (1994), p. 9.

¹⁶⁸ *Traveller’s Guide to the Goldfields* (2006), p. 90.

¹⁶⁹ McCann (1994), p. 12.

- Pumping Station, Duke of Cornwall Mine (VHI H7622-0224) (1860s)

4.3 Hydro-electricity schemes

Small-scale experimental attempts at generating hydro-electric power were first made in the nineteenth century, for example by the talented Samuel Wilson of Ercildoune homestead, near Ballarat.¹⁷⁰ There were some more attempts in the early 1900s. As Jane Lennon points out, the earliest successful scheme was that of the Cassilis Company, located on the Victoria and Cobungra Rivers, which provided power to the mine and treatment works in Powers Gully. Lennon explains: 'A dam constructed on the Victoria River supplied water by race to a pressure dam located on a spur immediately above the power station on the Cobunga River. From the power station, a transmission line extended 27 kilometres to the mine and works. Groundwork for the scheme commenced late in 1906 and it was operational in 1909 – the first such scheme in Victoria'.¹⁷¹ A small hydro-electric scheme was established at Wallaby Creek Quarters in the 1920s.¹⁷²

In 1910 a scheme was proposed for Snobs Creek, 'but one was eventually established in the Rubicon district in 1928 when five generating stations opened on the tributaries of the Upper Goulburn River and fed into a sub-station at Sugarloaf near the new Eildon Dam'.¹⁷³ The Rubicon Hydro-Electric Scheme, commissioned in 1928, provided 20 per cent of Victoria's power in the first ten years of operation. However, it wasn't until the post-war period, when there was the available capital, the technology and the man-power that Victoria's hydro-electricity capacity was greatly expanded. The Eildon Dam, built in 1927 was enlarged in 1955 in part to allow for a hydro-electric plant. Likewise the Hume Dam was enlarged in 1961 for the same reason. The Dartmouth Dam, completed in 1978, was constructed for the combined purposes of water storage and hydro-electric plant.

Heritage - Theme 4.3: Hydro-electricity schemes

- Rubicon Hydro-Electric Scheme (VHR H1187)

4.4 Industrial water use in the postwar period

Since the replacement of steam power with electricity in the early twentieth century, water has played a less direct role in the generation of power for industry, although many industries are now using hydro-electric power. Water nevertheless remains a fundamental requirement for many industrial processes, for example in timber pulping, mining, food processing, breweries, paper-making and the manufacture of many building materials such as bricks, cement, concrete, plaster and medium-density fibreboard. For the relatively new 'recycling' industries, such as the manufacture of recycled paper, large amounts of water are needed for pulping and also at the flotation stage. Industries such as textiles continue to rely on water for washing, but the number of textiles mills and woollen mills in Victoria has fallen significantly in the postwar period. Snow-making in the Victorian alpine region uses relatively large amounts of water, but only for a limited period each year.

Heritage - Theme 4.4: Industrial water use in the postwar period

- Fletcher Jones water tower (1960s), Warrnambool (VHR - H2101)

170 Aitken and Looker (eds), *Oxford Companion to Australian Gardens* (2002).

171 Lennon (1992), p. 50.

172 'Wallaby Creek Weir, aqueduct and associated features' RNE 2/14/054/0200: <http://www.environment.gov.au/cgi-bin/ahdb/search.pl>

173 Lennon (1992), p. 50.

5. ADMINISTERING VICTORIA'S WATER SUPPLY

This theme considers the administration of the state's vast water supply systems, both in Melbourne and the rural districts. It is important because the changing organisational structure reflects the changing priorities over different time periods. It also assists our understanding of where the key figures such as leading engineers and public servants fitted into the structure, and how they shaped the department they were in.

This chapter incorporates the following Australian Historic Themes:

AHT	7 Governing, especially 7.6; 4.2 Supplying urban services & 4.5 Making settlements to serve rural Australia.
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5.1 Creating a water bureaucracy for Victoria

As we have seen in Chapter 2, from the late 1830s and into the 1840s, early schemes to provide water for the small settlement along the Yarra River were ad hoc and usually private ventures. The construction of the Yan Yean system in the 1850s was the first major public infrastructure project undertaken by the Colonial Government in Victoria and provided the impetus for the creation of a 'nucleus of a public bureaucracy', which began with the appointment of a Commission of Sewers and Water Supply.¹⁷⁴ As we shall see, this eventually led to the creation of a Public Works Department, which would oversee the design and construction of major public buildings and infrastructure in Victoria for over a century.

Commission of Sewers and Water Supply (1853-60)

The Commission of Sewers and Water Supply was established in 1853, mainly to commence work on the Yan Yean reservoir and to oversee its on-going management and operation. It was originally intended that control was to be passed back to municipal control once the scheme was up and running, however, it was not to be until 1891 with the formation of the Melbourne and Metropolitan Board of Works that this would eventuate.¹⁷⁵

With the creation of large-scale water supply systems in the nineteenth century, the overseeing of operations became an important and complex role, and necessitated on-site managers or caretakers. The safe-guarding of the security and purity of the water supply also necessitated full-time on-site personnel. As part of the construction works at Yan Yean Reservoir from the early 1850s, an engineer's residence was erected in 1854, which later became the residence of the on-site caretaker and was extended in the 1860s.

Board of Land and Works (1856-1964)

The Board of Land and Works, constituted in 1856, administered all public construction work in the colony, including many waterworks. In 1860, due to continuing problems with the Yan Yean system, it also assumed management of that system, and from 1862 to 1891 Melbourne's water supply was administered by the Water Supply Branch of the Public Works Department.

The Public Works Department was responsible for public works and buildings (1855-1987), rural water supply (1860-1867), and licenses for the occupation of water frontages (to 1928). It was abolished in 1987 and its functions were assumed by various different State government departments.

Since the 1970s, the former Lands departments has been reorganised and renamed many times. Various morphologies include the Department of Conservation of Forests and Lands, the

¹⁷⁴ Barrett, *The Civic Frontier* (1979), p. 275.

¹⁷⁵ Dingle and Doyle, *Yan Yean* (2003), chapters 1-3.

Department of Natural Resources and the present-day Department of Sustainability and Environment.¹⁷⁶

Water Supply Department (1865-1910)

There was no government department expressly concerned with water supply until 1865, when the administration of Victoria's water supply was combined with that of mining through the Department of Mines and Water Supply and undertook the supervision of schemes outside of Melbourne such as at Geelong and Bendigo (Coliban). This association highlights the fact that these two fields of colonial endeavour were at that time so interconnected as we have seen in Chapter 2. Following the *Irrigation Act 1886*, a separate Water Supply Department was established with Stuart Murray appointed Engineer-in-Chief. The work of the Water Supply Department was merged with the new State Rivers and Water Supply Commission between 1906 and 1910, after which the Department no longer functioned.

Office of Water (2006-)

At the end of 2006, the Victorian Government established a new Office of Water based within the Department of Sustainability and Environment.¹⁷⁷

Heritage - Theme 5.1: Creating a water bureaucracy for Victoria

- Yan Yean system caretaker's residences at Yan Yean Reservoir (c.1865), Toorourrong Reservoir, and Wallaby Creek (c.1882)
- Features associated with the early Geelong and Bendigo (Coliban) water supply systems constructed under the supervision of the Water Supply Department.



Yan Yean Caretaker's residence,

[Doyle, 2003]

Figure 28

5.2 Melbourne metropolitan water authorities (1891-)

Melbourne and Metropolitan Board of Works (1891-1995)

The Melbourne and Metropolitan Board of Works (MMBW) was the government authority responsible for the management of Melbourne's water supply and sewerage for much of the

¹⁷⁶ These changes are explained on the Public Record Office Victoria website: <http://www.prov.vic.gov.au/>.

¹⁷⁷ See media release: <http://www.victaxi.com.au/mediarelease/PressRelease29Nov06.pdf>

twentieth century. It was established through special legislation in 1890, chiefly to establish a sewerage system for Melbourne, but also assumed responsibility for metropolitan water supplies from the Water Supply Branch of the PWD. As noted in Chapter 2, the MMBW played the central role in the significant expansion of the Melbourne water supply in the twentieth century, starting with O'Shannassy in 1910, which was followed by the Maroondah, Upper Yarra and Silvan schemes in later years. Its Board members, known as Commissioners, represented the various municipal councils of Victoria.

The MMBW merged with six other water authorities in late 1991 to form Melbourne Water. Until 30 June 1992, Melbourne Water operated under the Melbourne and Metropolitan Board of Works Act 1958 and its governing body was the Board of the MMBW.¹⁷⁸ Melbourne Water Corporation came into existence on 1 July 1992 following proclamation of the *Melbourne Water Corporation Act 1992*.¹⁷⁹

Melbourne Water Corporation (1995-)

On 1 January 1995 Melbourne Water Corporation was disaggregated into a headworks company and three retail companies and Melbourne Parks and Waterways.¹⁸⁰ As a headworks business, Melbourne Water retained responsibility for the collection, storage and wholesaling of water and for the treatment and disposal of sewage. Melbourne Water has drainage and waterway responsibilities throughout the Port Phillip and Westernport catchment.

Functional responsibility for the provision of water supply and sewerage services at a 'retail level' was transferred to three State owned companies: City West Water, South East Water and Yarra Valley Water.¹⁸¹

Functional responsibility for parks, open space and the recreational aspects of waterways was transferred to Melbourne Parks and Waterways.¹⁸²

Heritage - Theme 5.2: Melbourne and Metropolitan Board of Works

- Former MMBW rates office (c.1900) at Preston Reservoir, High Street, Reservoir (Recommended for VHR)
- O'Shannassy Lodge (c.1915), Warburton Highway, Warburton (HO334, Yarra Ranges Planning Scheme)
- Water supply systems constructed by the MMBW include Maroondah Dam (1927), Maroondah Highway, Healesville (HO174, Yarra Ranges Planning Scheme); Silvan Dam (1932), Silvan; and Upper Yarra Dam (1957), Woods Point Road (off Warburton Highway), Warburton (HO314, Yarra Ranges Planning Scheme)
- MMBW offices (former), Spencer Street, Melbourne

5.3 Managing water supplies in rural areas

This section examines how, as in Melbourne, the establishment and management of water supplies in rural areas in the early nineteenth century was a haphazard affair until Colonial Government intervention in the form of the creation of the Board of Land and Works in 1856 and the passing of the *Waterworks Act* in 1865, which enabled the formation of the first waterworks trusts to provide water supplies to rural towns. As we have seen in Chapter 3, this

¹⁷⁸ Melbourne Water Corporation Annual Report 1991-1992, 7

¹⁷⁹ As above, 9

¹⁸⁰ Melbourne Water Corporation Annual Report 1994-1995, 4

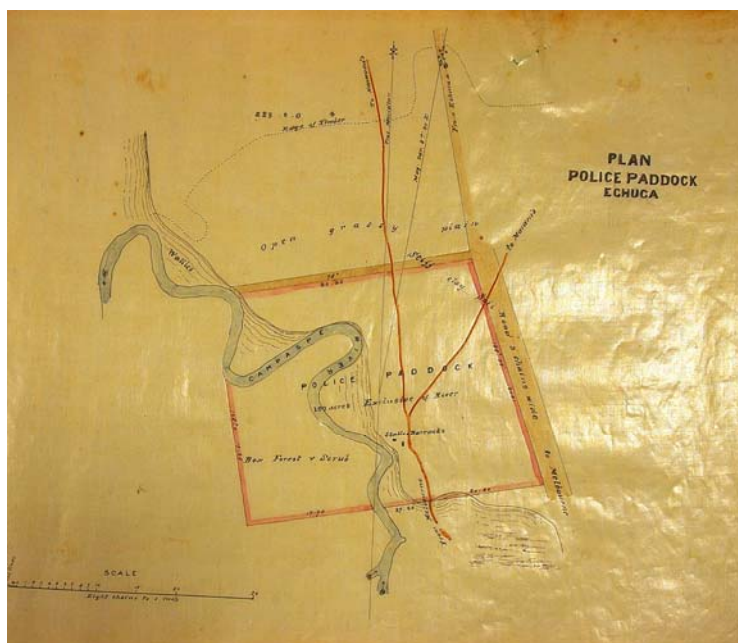
¹⁸¹ Department of Treasury *Reforming Victoria's Water Industry: The Restructured Metropolitan Industry* January 1995, p4

¹⁸² As above, note 3, 30

was followed by legislation in the 1880s that enabled the formation of waterworks trusts for irrigation works. This system was to last until the significant changes brought about the passing of the *Water Act 1905*, which saw the formation of the SRWSC.

Government police camps in the 1850s

Outside of Melbourne in the country districts, where small settlements had emerged by the early 1850s, some of the first efforts at administration came from locally appointed magistrates, and at a more practical level, from the newly established Victorian police force (est. 1853). The government camp or 'police paddock', as it was known, was typically established on high ground.¹⁸³ This was largely strategic, but was also, in some small part, a means of ensuring protection of potential run-off and the collection of water. Initially, this was vital for the needs of the large teams of police horses; but there was also seemingly some initiative taken here to protect essential natural resources for the public benefit. The government camp was almost always sited close to a permanent water supply, such as a creek or river, a waterhole, or a fresh water spring.¹⁸⁴ At Sandhurst (Bendigo), the site for a police paddock was chosen because of its water supply; this became known as the 'camp reservoir' while the plan of the police paddock at Echuca shows its position astride a watercourse.¹⁸⁵



Plan of Echuca Police Paddock (c.1850s)

[Police Department, 'Plans', fol. 37]

Figure 29

Local road boards and municipal councils

In the absence of a centralised rural water supply department, local water supply concerns rested with the local government authority. Initially, in the 1850s and 1860s, it was road boards that administered many local areas; these were replaced by municipal councils from 1856. Road Boards and later, local councils, often took the responsibility of building and

¹⁸³ There are numerous examples, notably the police camps at Wombat Hill, Daylesford; and Camp Hill, Ballarat.

¹⁸⁴ There are countless examples, such as Hamilton (see Cannon 1982, p. 98), Echuca, Burrumbeet, Murchison, Woolsthorpe, Seymour, Yan Yean (see Police Department, 'Plans', folio held by Police Historical Unit, Melbourne).

¹⁸⁵ *Argus*, 4 May 1870, p. 7; see also Coliban Water website.

managing dams.¹⁸⁶ Ballarat Borough Council, for example, had shared ownership of the Kirks dam with the Ballarat and Ballarat East Water-Supply Committee since 1862. In an unusual case, the Sandhurst Town Council purchased the Bendigo Waterworks in c.1872. Some local councils also drained areas of swamp land to improve agricultural land. But, generally, any large-scale efforts at establishing a sophisticated water supply, such as the construction of large reservoirs and a reticulated system, was beyond the capabilities of the local council.

Following the passage of the *Irrigation Act* 1886, local municipal councils established water trusts within their municipality in order to finance the construction of water works.¹⁸⁷ These trusts were administered through the local council.

Waterworks trusts

As noted in Chapter 2, the earliest water authorities in rural areas were formed in the goldfields towns as well as Geelong – among the first were the Bendigo Waterworks Commission, the Ballarat Water Commission, the Geelong Water Commission, and the Clunes Water Commission. In 1865 loans to local water authorities were made available through the *Waterworks Act* 1865. In some cases, and sometimes for only certain periods of time, as discussed above, local councils managed local water supplies.

As we have seen in Chapter 3, after legislation in 1881 allowed for the establishment of waterworks trusts 17 such trusts were formed by early 1880s. The largest waterworks trust was the United Echuca and Waranga Waterworks Trust, formed in 1882.¹⁸⁸ By 1903, there were 69 waterworks trusts in Victoria as well as 24 corporations other than trusts that obtained finance from the Government to construct water works.¹⁸⁹

Irrigation trusts

As noted in Chapter 3, irrigation trusts were established following the passing of Alfred Deakin's *Water Conservation Act* of 1883. The concept is attributed to engineer E.C. De Garis.¹⁹⁰ Irrigation trusts were empowered to borrow the necessary funds from the Board of Land and Works at a nominal interest rate.¹⁹¹ The trust was permitted to charge a water rate to water users, and this money would be used to pay the interest and to recoup any costs. The first irrigation trust was the First Mildura Irrigation Trust, and others followed by 1885. By 1903, there were 31 irrigation trusts in Victoria.¹⁹² The irrigation trusts and their works were absorbed by the State Rivers and Water Supply Commission on its formation in 1906, with the exception of the First Mildura Irrigation Trust.

Catchment management authorities

As a means of providing improved leadership in the sustainable management of land and water in regional Victoria, the Victorian Government established Catchment Management Authority

¹⁸⁶ Local road boards that took on the responsibility for water supply include the Gardiners (Malvern) Road Board. See 'Malvern Hill water supply', *Argus*, 8 April 1879, p. 6.

¹⁸⁷ Bell, *Irrigation for Farmers and Engineers* (1890), p. 77.

¹⁸⁸ East (1961), p. 7.

¹⁸⁹ Smith (ed.), *Cyclopedia of Victoria* (1903), vol. 1, p. 242.

¹⁹⁰ E.W. Russell, 'Builders of public enterprise in Victoria', *Victorian Historical Magazine*, June 1992, p. 12.

¹⁹¹ Bell (1890), p. 88.

¹⁹² Smith, *Cyclopedia of Victoria*, vol 1 (1903), p. 242.

Boards in 1997; these covered the Mallee, Wimmera, Glenelg, North Central, Corangamite, Goulburn, West Gippsland, North East, and East Gippsland regions.¹⁹³

Whereas the focus of rural water authorities is upon the management of the storages and distribution systems that form part of water supply systems under their control the CMAs take a broader strategic role based on the concept of integrated catchment management that promotes the sustainable use of all the land and water resources within catchment areas. They also have a 'hands on' role in protecting and monitoring the health of all waterways within catchment areas.¹⁹⁴

Heritage - Theme 5.3: Managing water supplies in rural areas

- Infrastructure associated with schemes developed by Irrigation trusts such as Goulburn Weir, Waranga reservoir, the pumping stations and other infrastructure at Mildura
- Rural water authority offices such as the Rodney Irrigation Trust office (1888, now museum) 49 Hogan Street, Tatura (HO107, Greater Shepparton Planning Scheme), Ballarat Water and Sewerage Authority office (c.1870s), Grenville & Lewis Streets, Ballarat (HO41, Ballarat Planning Scheme)
- Objects – the museum at the former Rodney Irrigation Trust office has a collection of material relating to the development of irrigation in the area.
- Murtoa Water Tower (and office)
- Langi Ghiran Reservoir, Water Ranger's House, by 1900

5.4 State Rivers and Water Supply Commission

As noted in Chapter 3, following the *Water Act 1905*, which effectively nationalised all rivers and river frontages in Victoria, the State Rivers and Water Supply Commission (SRWSC) was formed in the following year. These 'state rivers' were vested under the control of the Crown, with the exception of those frontages that had been purchased prior to 1905.

The SRWSC was abolished and its successor, the Rural Water Commission, established on 1 July 1984. The Commission continued the work carried on by its predecessor.

On 1 July 1992, the Rural Water Corporation was formed following an inquiry into Victoria's rural water management known as the McDonald Review. Its regions were reconfigured and greater local management powers and responsibilities given to regional management boards. The Corporation's Gippsland, Goulburn-Murray, Southern, Sunraysia and Wimmera Mallee regions became rural water authorities under the *Water Act 1989* on 1 July 1994. The Authorities were responsible for retailing/distribution of rural water services, while headworks responsibilities remained with the Corporation until 1 July 1995 when they were transferred to the rural water authorities. Regional urban supplies were transferred from Councils and the rural water authorities to regional urban water authorities from 1 July 1995. The Gippsland and Southern rural water authorities were amalgamated on 1 July 1995.

The Corporation was formally abolished in December 1995. The current 16 regional water corporations are listed in Appendix 2.

¹⁹³ Media release, 27 June 1997

¹⁹⁴ Keiran Crocker, Melbourne Water, pers. comm..



*SRWSC Head Office,
Armadale 1961*

**Figure
30**

[SLV rwp/21597]

Delivery of water and sewerage services in regional Victoria

Water and sewerage services in regional Victoria are delivered by 16 water corporations established under the *Water Act 1989*. These corporations provide a combination of urban water and sewerage services and rural water services to customers within their service areas.

In the 1970s, 370 water trusts, sewerage authorities and local councils provided urban water and sewerage services in regional Victoria. Continual cycles of amalgamations from the early 1980s to the early 1990s reduced this number to 83. A major reform process led to further restructuring in the mid 1990s and reduced the number to 15. The reforms included removing water and sewerage functions from local government. The diagram in Appendix 6 provides one example of how the present water authorities were created out of the old water and sewerage trusts and boards.

Further structural reform occurred on 1 July 2004 when:

- Wimmera Mallee Rural Water Authority was merged with Grampians Region Water Authority to form Grampians Wimmera Mallee Water Authority; and
- Sunraysia Rural Water Authority was merged with Lower Murray Region Water Authority to form the Lower Murray Urban and Rural Water Authority,

Both authorities supply rural and urban water services.

Three water corporations deliver rural water services and some bulk water supply services.

The regional water corporations and the services they deliver are listed in Appendix 2.

Water governance arrangements

Following amendments to the *Water Act 1989* that took effect on 1 July 2007, stronger governance arrangements were introduced for water authorities. To standardise the previously disparate legislative arrangements that applied to providers of water services, a single corporate form and substantially uniform governance provisions were established.

As amended, the Act provides for water corporations and brings Melbourne Water Corporation under the Act. As a consequence, the *Melbourne and Metropolitan Board of Works Act 1958* and the *Melbourne Water Act 1992* have been repealed. Melbourne Water's statutory functions and powers under the *Water Act* are consistent with its role as a wholesaler.



*The SRWSC office at
Werribee, 1946*
[SLVRWG/1433]

**Figure
31**

Irrigation schemes

As noted in Chapter 3, the SRWSC purchased large areas of land for conversion to irrigation settlements, which it subdivided and sold as settlement blocks. Land was acquired in White Cliffs (later Merbein), Swan Hill, Cohuna, and Nyah along the Murray; at Rochester, Bamawm and Nanneella along the Campaspe; and at Shepparton, Koyuga and Tongala in the Goulburn Valley.¹⁹⁵ Working in league with the SRWSC was the Department of Agriculture, which offered advice on farming and irrigation to new settlers, and the Closer Settlement Board, which took the responsibility of providing affordable homes for settlers in the irrigation areas.¹⁹⁶ The SRWSC was represented in each area by a Water Bailiff who was a prominent figure in an irrigation district. He was responsible for about eighty farms, allocating water and maintaining the channels. Many bailiffs were locals recruited from the channel construction gangs, and they quickly became familiar with the farmers and their water requirements.

One of the main responsibilities of the water bailiff was to monitor the 'Dethridge Meter Wheel' which measured the flow of water from the supply channels into the farm channels. There was a small clearance between channel bottom and wheel and ploy used by 'crafty farmers, wishing to reduce their water bills' was to jam the wheel with a frozen fish and prevent its rotation while still receiving a trickle of water.¹⁹⁷

Township and rural water supply schemes

The SRWSC also played a role in the provision of rural township and district water supplies. By the 1920s, most waterworks authorities were controlled by the Commission, with the exception of 99 that were vested in local trusts and 29 in municipal councils.¹⁹⁸ As noted in section 2.3 the SRWSC undertook a number of important water supply schemes in rural areas.

Local offices of the SRWSC were erected in many towns. Werribee, Nyah West and several other offices share a similar design for their head office – an elegant, single-storey brick building with a central portico, which appears to have been built in the 1930s.

¹⁹⁵ Dingle (1984), pp. 126-27.

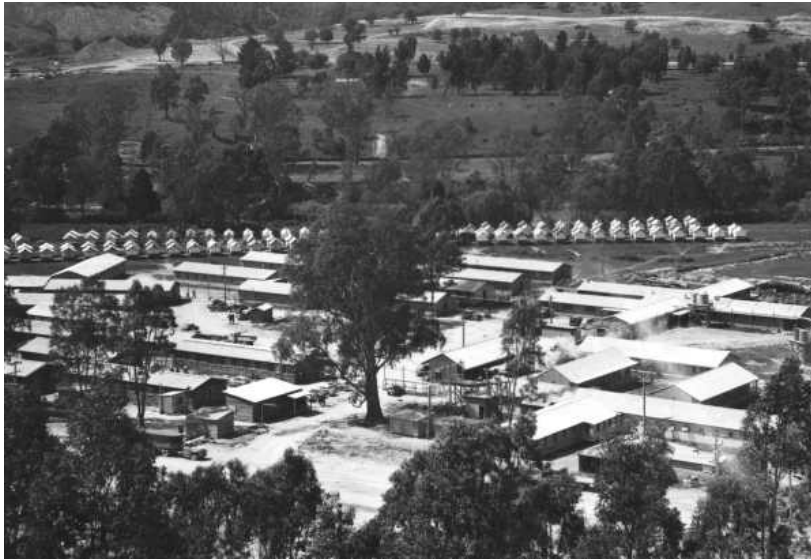
¹⁹⁶ Dingle (1984), p. 126.

¹⁹⁷ Context, 'Wellington Shire Heritage Study Review' (2004).

¹⁹⁸ A.W. Jose, *Australian Encyclopedia* (1926), vol. 2, pp. 641-42.

Housing and development

The SRWSC also erected housing at Lake Eildon during works in the 1950s, and relocated the town of Tallangatta to allow for the expansion of Lake Hume. The new town of Tallangatta was designed by Laurie Cullen, who had taken up the position of Resident Engineer for the Commission in 1951. Houses were carefully relocated from the old township and new administrative offices were built. A feature of the town was a large triangular-shaped central reserve.



*Staff housing during
construction of Eildon
Dam, 1951*

**Figure
32**

Victoria State Rivers
and Water Supply
Commission

[SLV RWP/9937]

Heritage - Theme 5.4: State Rivers and Water Supply Commission

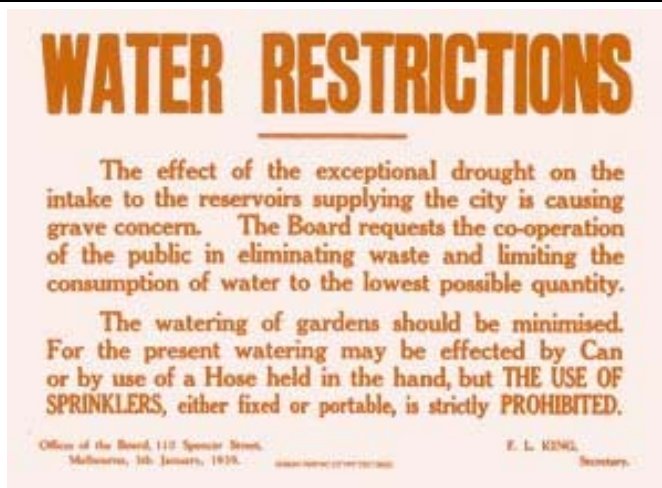
- SRWSC offices - Werribee water supply office, 1930s, Nyah West water supply office, 1930s, and the Horsham State Rivers offices, McLachlan Street, Horsham
- Former SRWSC Depot (Later Goulburn-Murray Water Depot), cnr. William Street and Tatura-Undera Road, Tatura (HO119, Greater Shepparton Planning Scheme)
- Former SRWSC Head Office, 590 Orrong Road, Armadale
- New towns constructed by the SRWSC, Lake Eildon and Tallangatta townships (both 1950s)
- Housing, Goulburn Valley Irrigation Scheme.



In the 1920s, MMBW staff regularly checked the open channels riding on bicycles.

[SLV H83.94/235]

Figure 33



Public Notice about water restrictions during period of drought in January 1939.

[Melbourne Water]

Figure 34



New Rain gauge, Bureau of Meteorology 1973

[SLV Dennis Major Collection Accession No. H95.56/321]

Figure 35

6. PROTECTING AND MONITORING THE WATER SUPPLY ENVIRONMENT

This theme examines the ways in which the water supply in Victoria has been understood, monitored and protected by water supply authorities. This involved the work of engineers, forestry experts, environmental scientists, meteorologists, hydrologists and government bureaucrats in conjunction with various government department and agencies. This theme traces early efforts to protect timber and soil in the catchments, and to maintain weather and stream flow data. This theme is important because it demonstrates how the maintenance of water supplies has depended upon changing understandings of the environment, hydrology and the climate.

This chapter incorporates the following Australian Historic Themes:

AHT	7 Governing, especially 7.6; 1.3 Assessing scientifically diverse environments.
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6.1 Protecting and conserving the water supply

A reliable, high quality water supply depended on maximising the water harvest and maintaining the right conditions for effective run-off in the catchment areas. Factors affected the supply included the erosion of the catchment area through timber-cutting, bushfire, and soil erosion.

There were fierce advocates of the ‘closed catchment’ model from the beginning of the problematic Yan Yean water supply. Through the 1860s and 1870s, investigations struggled to ascertain the exact cause of the murky water, and affected a number of remedies, including the annexation of the polluted Bruce’s Creek at Whittlesea. Once the system was improved in the 1880s, its workers were vigilant in keeping the catchment clean.

The MMBW maintained a vigorous policy of protection of the catchment areas. In the 1940s, employees were blood-tested to ensure that they didn’t carry any infectious diseases.¹⁹⁹ To ensure minimal contamination of the supply, staff scrubbed the channels by hand in the early part of the twentieth century, and possibly much later.

From the earliest establishment of water supply schemes in Victoria, there have been restrictions on water use at various times due to shortages. From the 1850s and 1860s, for example, there were bans on street watering. In the 1940s, as supplies had fallen to low levels in some parts, restrictions were placed on water consumption.²⁰⁰

6.2 Maintaining rainfall, temperature, water level and stream flow records

Rainfall measurements were taken at Yan Yean from 1853. A rain gauge was a standard feature of all public reservoirs, including for example those at Malmsbury (from 1870);²⁰¹ Beales and Kirks reservoirs, near Ballarat (since 1881); Wallaby Creek Weir (from 1882); Wartook reservoir (from 1890); Touroorrong reservoir, Maroondah Weir and Laanecoorie Weir (from 1892); Glenorchy reservoir (from 1898); and at the storage of the Mirboo North Water Board

199 Jessop, ‘An Historical Survey’ (1942), p.26.

200 McIntyre and McIntyre (1944), p. 121.

201 In 1870 the Malmsbury reservoir gauge was showing nearly 37 feet of water (*Argus*, 12 July 1870 p. 7).

(from 1899); and Hume reservoir (from 1922).²⁰² An item in the Daylesford Borough Council Minutes of 1886 notes the procurement of rain gauges for the Wombat Hill and Bullarto reservoirs.²⁰³ From the late nineteenth century, there was a greater commitment to measuring rainfall and developing more improved methods of measurement in order to better plan for developing further infrastructure and to understand the workings of existing water supplies.

Some reservoir sites were also used as weather stations. Victoria had established a large number of weather stations from the 1850s, which were usually situated on public land (often at the local state school or post office), but in remote areas this responsibility was taken up by a local pastoralist.

Frederick Acheson, who proposed an elaborate water supply scheme for the entire colony of Victoria in the 1860s, also made recommendations for the better recording of Victoria's climate and rainfall. Later, on the opening of Clunes waterworks in 1872, George Gordon, the chief engineer of water supply, requested full and regular meteorological reports.²⁰⁴

River gauging was another important practice, which was first carried out on the Murray River in 1864.²⁰⁵ In the planning of new irrigation systems, it was critical to gauge the volume and level of flow of the rivers and streams affected. As such, a 'long series of daily gaugings' were recommended to be carried out over a number of years if possible.²⁰⁶ Records of rainfall and floods were also recommended, both at the weir and at several points within the catchment, as was the sampling of river water. In addition, it was recommended that 'a complete contour survey of the district be undertaken', which would allow for the most efficient positioning of the main channels and their distributaries.²⁰⁷

It is unlikely that much of the original data-collecting equipment has survived due to the fast pace of technological change and the fact these implements were not fixed, but moveable.

6.3 Protecting forests in water supply catchments

Excessive timber-cutting was an early concern of settlers in Victoria. Foster Fyans, the first police magistrate at Geelong, had noted the lack of timber in that vicinity as early as 1837.²⁰⁸ Governor La Trobe was also an advocate for preserving the indigenous timber.²⁰⁹ A firmer understanding of why timber should be preserved in water catchments came in 1864 with Graeme Perkins Marsh's influential book, *Man and Nature*, which argued convincingly that timber attracts greater rainfall.²¹⁰ It subsequently became a concern that timber-cutting in the

202 NASA (NGDC), 'Global Historic Climate Network Precipitation Stations', listed at

http://www.ngdc.noaa.gov/nndc/struts/results?fn_0=poly.continent&type_0=Exact&query_0=Australia&fn_1=poly.region&type_1=Exact&query_1=Australia/New%20Zealand&fn_2=poly.cntry_name&type_2=Exact&query_2=&fn_3=poly.admin_name&type_3=Exact&query_3=&query=&dataset=101243&search_look=1&group_id=NONE&display_look=30&submit_all=Select+Data; accessed 26.7.07.

203 Daylesford Borough Council, Committee Minute Books, 29.1.1886, p. 125, from research by Helen Doyle for Lee Andrews, 'Wombat Hill Botanic Gardens', 2006.

204 *Argus*, 30 May 1872. For account of the opening, see *Argus*, 11 March 1872, p. 5, 11 March 1872, p. 6.

205 E.E. Bibra, 'River Gaugings', *Victoria's Resources*, [no date cited, c. 1962], p. 13.

206 Bell, *Irrigation for Farmers and Engineers* (1890), p. 79.

207 Bell (1890), pp. 80, 81, 87.

208 Wright (1989), p. 44.

209 For La Trobe, see excerpt from *Port Phillip Herald*, 14 April 1841, in Flannery (ed.), *The Birth of Melbourne* (2002), p. 134.

210 Dingle and Doyle, *Yan Yean* (2003), p. 68. See also Blainey, *A Land Half Won* (1980), chapter 22.

Plenty Ranges was causing soil erosion, which in turn was hampering run-off and water collection. Erosion also caused silting of the reservoirs. Human activity in the catchment area was also considered to be a threat to its purity. As a result, legislation was passed in the 1870s to prevent timber-cutters from the Yan Yean catchment.

From the 1880s, water authorities worked to preserve the indigenous forest while planting new forest trees. New knowledge about forestry encouraged different varieties to be planted. At the Wallaby Creek catchment in the Plenty Ranges, a wide range of American forest trees were grown from the 1880s. Pines, chiefly *Pinus radiata*, were also widely planted in reservoir parks, along open channels, and in catchment areas across Victoria. The Ballarat Water Commission carried out large-scale afforestation with *Pinus radiata* from the 1880s. Considered a 'clean tree', the pine was thought to 'conserve the rain water and preserve its purity'.²¹¹

Ferdinand Mueller, Director of the Melbourne Botanic Gardens from 1858-1873, advised various water authorities on tree-planting as a means of protecting the water quality. In 1881, he wrote at length to the Commissioner of Public Works, George Langridge on this subject in respect of Yan Yean Reservoir.²¹²



*The SRWSC's
Lysterfield Nursery,
where seedlings were
grown for the
catchments, 1958.*

[SLV H83.94/235]

**Figure
36**

Under the chairmanship of Elwood Mead from 1907, the SRWSC adopted a progressive position on forest and soil conservation.²¹³ In the 1920s, the Engineer of Water Supply at the MMBW, E.G. Ritchie, pointed out 'the part played by shade in preserving nature'. He explained the benefits to the water supply of having the catchments planted with evergreen

211 Charles A Clamp, 'The Ballarat Water Commissioners', *Victoria's Resources*, vol. 1, no. 2, June – August 1959, p. 25.

212 Ferdinand Mueller to George Langridge, 21 March 1881, in R.W. Home et al. (eds), *Regardfully Yours: Selected correspondence of Ferdinand von Mueller*, vol. 3 (Peter Lang, New York, 2006), pp. 208-211 (thanks to Rod Home for this reference).

213 Robin, *Building a Forest Conscience* (1991), p. 85.

trees, which would provide shade to the soil, which would in turn prevent losses through evaporation.²¹⁴ Ritchie proposed the ‘close growth of large trees giving shade’ in the catchments as this would give ‘more reliable and regular ... perennial stream flow’ and ‘less the liability to floods and scouring of the soil’.²¹⁵ At Wallaby Creek, the MMBW established a nursery in the late 1920s and developed a large-scale forestry program after World War II, which included a nursery to provide seedlings for this work.²¹⁶ The SRWSC ran a tree nursery at Lysterfield.

There are also large areas of preserved indigenous forest in Melbourne’s water catchments, and in the catchments of outlying reservoirs. The main reason for this was to maintain a high level of water purity, and indeed for many decades Melbourne’s water was renowned for its fine taste. The preservation of these forests per se has now also become imperative from the point of view of conserving Victoria’s natural heritage.

Heritage - Theme 6.3: Protecting forests in water supply catchments

- Wallaby Creek catchment area, Kinglake (part of RNE 2/14/054/0020)
- Maroondah Dam, Healesville
- Upper Yarra Dam, Warburton
- Silvan reservoir, Stonyford Road, Silvan

6.4 Fire protection

The widespread damage caused by the Black Thursday bushfires, on 6 February 1851, intensified public awareness about the importance of an adequate water supply system. The Melbourne City Council responded to the catastrophe by urging ‘the absolute necessity of waterworks being commenced without delay’.²¹⁷ The threat of fire was also a critical factor in prompting local authorities to develop a better water supply system. It was after a large fire at Creswick in the 1860s that the local authorities sprung into action organising a water supply.²¹⁸

A water supply provided a means of fire extinguishing. Fire plugs were designed as part of the Yan Yean system in the 1860s. Later, fire hydrants were installed, but these were not without problems. In 1922, Melbourne residents faced the disturbing spectre of eels emerging from a fire hydrant.²¹⁹

Part of the administration of the water supply schemes involved collaboration with Forestry Commission and its antecedent authorities. This association was borne of the prevailing belief in the mid nineteenth century that ‘trees bring rain’. It involved the regular involvement of the forestry authorities in maintaining the forest health of the catchment areas. It may have extended in some cases to the construction of forestry huts for the use of the forestry workers.

Fire periodically damaged the catchments, both in Melbourne and country water supplies.²²⁰ None was as devastating as the Black Friday bushfires of 1939. While the Yan Yean catchment did not suffer directly, but there was nevertheless a significant loss of forest in the Maroondah area. Subsequently, there was a greater collaboration between the Forestry Commission and the

214 E.G. Ritchie, ‘Water conservation’, in James Barrett (ed.), *Save Australia* (1925), pp. 163, 170.

215 Ritchie (1925), p. 170.

216 Dingle and Doyle (2003), p. 103; ‘Wallaby Creek weir, aqueduct and associated features’, RNE 2/14/054/0020.

217 Barrett, *The Civic Frontier* (1979), p. 278.

218 Graham, *The History of Creswick* (1987), p. 88.

219 *Argus*, 20 October 1922, p. 33.

220 There was damage to the Melbourne catchment, for example, in 1913. [*Argus*, 1913]

MMBW in terms of managing fire risk. The 1939 Royal Commission into the forest fires criticised the MMBW for not having constructed a sufficient number of fire-breaks. As a result, the MMBW and the Forestry Commission worked jointly at erecting fire lookout towers and fire breaks in many of the large catchments, including the Plenty Ranges.²²¹ At Wallaby Creek and in other catchment areas, the MMBW created refuge dugouts to protect those who might become trapped in fire.²²² A 'Save the Forests' campaign was launched in 1944, which helped raise public awareness of the importance of forest conservation.²²³

Heritage - Theme 6.4: Fire protection

- Refuge dugout, Wallaby Creek Quarters, Kinglake (part of RNE 2/14/054/0020)



*Mountain Ash in the
Wallaby Creek
catchment area*

[Dingle, 2003]

**Figure
37**

6.5 Improving water quality

Many localities prided themselves on their clear water; a number of the gold-mining towns, such as Bendigo, Ballarat and Daylesford, sourced particularly good water from the surrounding hills.

Closed catchments

The importance of a closed catchment was advocated early, for example by James Blackburn in his initial plan for the Yan Yean system. In reality, however, this was not always adhered to. With the increase in population in Victoria the 1850s and 1860s and, as a result, a greater contamination of the water supply, the water quality of rudimentary supplies from rivers, streams and lakes was poor. The main reason for this was the pollution of water sources from infected matter, such as industrial waste, animal waste and night soil. Private wells also became infected as household refuse was commonly discarded close by. A polluted water supply was a chief cause of fatal diseases such as dysentery and typhoid.

²²¹ Jessop, *An Historical Survey of Melbourne's Water Supply* (revised edition 1954), p. 28.

²²² 'Wallaby Creek weir, aqueduct and associated features', RNE 2/14/154/0020.

²²³ Libby Robin, *Building a Forest Conscience* (1991), pp. 8-9.

The quality of the water in early water schemes varied considerably, depending on the purity of the catchment area, contamination from polluted in-flowing streams, and any leaks or other problems within the storage facility itself or in the outflow pipes. The water in the Wormbete reservoir, near Winchelsea, which was sourced from clean, granite-shingled hills, was approved by Dr Macadam at Melbourne University in the 1850s for its high purity. The course of the Yan Yean water, by contrast, traversed through polluted swamps and took in water from the contaminated Bruce's Creek near Whittlesea. Additional problems stemmed from faulty lead piping. There were ongoing problems with the quality of Yan Yean water until the 1880s, after which time the water was harvested from a purer catchment area. Before that, the disgruntled residents of Melbourne filtered their water at home using a variety of household appliances. From its beginnings in 1891, the MMBW maintained a 'closed catchment' policy, which secured a high level of water purity in Melbourne's water but which nevertheless faced ongoing opposition from particular interest groups.²²⁴

Filtration plants

Even with closed catchments there remained a need to improve the quality of the water supply in many instances. Some early water supplies soon developed filtration plants. The innovative Crusoe water treatment plant, with its three concrete settling ponds, was designed by Joseph Brady as part of stage 2 of the Coliban (Bendigo) waterworks in 1872-3.²²⁵ It is an example of an early system designed to remove impurities from the system by allowing sediment to settle.

As technology improved mechanical systems were developed in the early twentieth century. At Sale in Gippsland, supply was drawn from the Thomson River, which was becoming increasingly polluted. Accordingly tenders were called in 1932 to build a filtration plant. Built by Jaskel Filtration Systems, and consulting engineer Gordon Gutteridge, the new pumping scheme and filtration plant began operating in 1934. The new water treatment added chemicals to remove odours and turbidity, and chlorine to render the water sterile. The official opening of the plant was in early 1935, while the chlorination plant was not finalised until early 1936.²²⁶

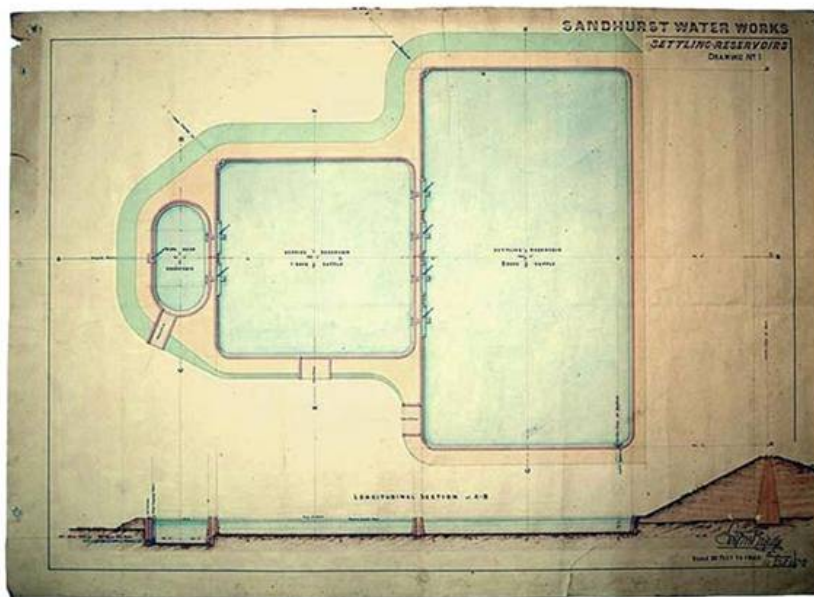
The designer and consulting engineer, Gordon Gutteridge, was very prominent in the water industry right across Australia. As a recipient of a Travelling Fellowship under the Rockefeller Foundation, he undertook a post-graduate course at Harvard University, Cambridge, Massachusetts, USA. As Engineer-in-Chief to the Commonwealth Department of Health, his expertise was used in the Royal Commission of Enquiry into the Brisbane Water Supply, and in the study of the provision of a water supply to Port Moresby, Papua (New Guinea).²²⁷

224 Robin (1991), p. 85.

225 'A Slide Show History of Coliban Water': <http://www.coliban.com.au/about/history.asp>

226 Context Pty Ltd, 'City of Sale Heritage Study' (1994).

227 *Ibid.*



*Crusoe settling
reservoirs, Coliban
system*

**Figure
38**

[Slide 69,
www.coliban.co.au/about/history2/asp]



*Water Treatment Plant at
Malmsbury, 1970s*

**Figure
39**

[www.coliban.com.au]

Heritage - Theme 6.5: Improving water quality

- Crusoe water treatment plant (part of the Coliban Water Supply System), Bendigo (HO308, Greater Bendigo Planning Scheme)
- Sale Water Treatment Plant (1935), Cunninghame Street, Sale

6.6 Confronting inadequacies and failures in water supply systems

It has been established by scientists that the creeks and rivers of Victoria do routinely dry up as a matter of course in the dry season.²²⁸ The threat of drought loomed large in the colonial mind, and encouraged the ongoing development and improvement of water supply systems. A significant failure here was a human one - the false conviction of engineers and settlers that there would be sufficient water.

Design faults and drought

Some of the problems in nineteenth century waterworks stemmed from inherent design faults. In Melbourne, for example, there were countless problems in Yan Yean's first few decades, mainly concerning faulty pipes, and health problems among the residents of Melbourne due to contaminated water. Regulating the pressure in the pipes was also an ongoing challenge. Yan Yean's engineer Matthew Bullock Jackson had devised a pressure-reducing valve at Preston in the late 1850s, but this proved ineffective. Mains were constantly bursting into the early decades of the twentieth century. In addition, there were problems with the fire plugs.

Regional water authorities faced similar problems, as well as cracks, seepage and evaporation. The Coliban system was plagued with problems for many years owing to the faulty design of its main storage, which was eventually remedied by Stuart Murray in the early 1900s. At Ararat, pipes made of bituminised paper had, not surprisingly, proved a failure. The Waranga Weir was damaged after yabbies bored holes through it.²²⁹ There were other failed weirs, for example timber weirs such as the First Glenorchy Weir, and the gravity concrete weirs on the Broken Creek.²³⁰ In country areas, there was also the fundamental problem of water shortage and the need for water restrictions. In many places, especially where water was simply pumped from a nearby river and settled in a tank or holding reservoir, the water was of dubious quality. As late as the 1940s, in a survey of 180 country towns, it was found that only one-fifth of towns had a water supply that was 'always adequate and ... satisfactory for all domestic uses'.²³¹

From the beginning of settlement up until relatively recently, there was an assumption in the language of water authorities that engineering could always provide sufficient water for the needs of the population. Governments denied drought and behaved as if the water resources of the state were seemingly endless. On the opening of the enlarged Eildon Dam in the 1950s, for example, the Minister for Water Supply, Sir Henry Bolte, boldly claimed that the storage was guaranteed to provide an unfailing water supply for the future. By the late twentieth century, however, the ability to solve the 'problem' of water shortage was more seriously questioned. Alternative means of water sourcing were dismissed: cloud seeding was found not to work, and water divining on a large scale was impractical. Eric Rolls painted a grim picture: 'Some bores that have flowed for almost 100 years were giving out by the 1970s. When the water finally stops in some remote areas, windmills and pumps will give it a few more years grace, then the country will be abandoned'.²³²

The ramifications of empty water storages and disused dams, as well as the associated infrastructure of channels, weirs and tunnels, raises questions about the future management of these sites. For some, the sight of once vanished settlements re-emerging from the dry beds of vast reservoirs like Eildon provides some fascinating subjects for photography and adds a

228 See, for example, Jill Tacon, 'The River and the Town' in Graeme Davison and Marc Brodie (eds), *Struggle Country: The rural ideal in twentieth century Australia* (Monash ePress, Clayton, 2005).

229 Don Garden, *Victoria: A history* (1984), p. 233.

230 Peter Mills, pers. com., 14 September 2007

231 McIntyre and McIntyre, *Country Towns in Victoria* (1944), p. 123.

232 Rolls, *A Million Wild Acres* (1984), p. 190.

ghostly new layer to the cultural landscape, but for most this is a grim reminder of the difficulties faced by settlers in the world's driest continent.

Water recycling and new technologies

More recently, there has been a shift away from traditional methods of sourcing water, which are now considered exploitative and short-sighted, to alternative methods that consider more fully the conservation implications of water harvesting. In the twentieth-first century, there is new interest in the viability of recycling water, and in building a desalination plant in Victoria. In country areas, where gaps between water supply and demand are greatest, there has also been a growing trend in water trading. Rainwater tanks, which had been prohibited in Melbourne for many years due to perceived health risks, were now being installed at a rapid pace following new legislation of c.2000.

Impacts of irrigation

The irrigation schemes undertaken in the north of the State has resulted in a rise in water tables and increased salinity. This problem emerged in the Mildura District by the 1930s and in 1934-8 drainage outfall systems were constructed for Mildura and the adjacent Merbein and Red Cliffs irrigation districts. By the time Robinvale Irrigation district was established in the post-World War II period a comprehensive drainage system was installed as part of the scheme.

Heritage - Theme 6.6: Confronting inadequacies and failures in the water supply

- La Trobe University, Bundoora - water recycling system (1960s) [Aitken, pers com]
- Drainage systems installed in the Mildura, Red Cliffs, Merbein and Mildura Irrigation districts.



*Outlet tower at
Maroondah Reservoir*

Rose Stereograph
Company, n.d.

[SLV H32492/1030]

**Figure
40**



*Gardens at
Maroondah Reservoir*

Rose Stereograph
Company, n.d.

[SLV H32492/1029]



*Spillway at
Maroondah Reservoir*

Rose Stereograph
Company, n.d.

[SLV H32492/1033]

7. CELEBRATING THE WATER SUPPLY

This theme examines the many ways in which elements of the water supply systems have been celebrated - both by early settlers and later by tourists and visitors from the mid nineteenth century onwards. This theme recognises how our fundamental reliance on water for human survival has been transposed to a cultural appreciation through the celebration of large expanses of water in reservoirs, as well as fountains, waterfalls and ornamental lakes. This also ties in with an artistic appreciation of the landscape, and the perceived romance and natural beauty of water features, where natural or man-made. We show here that early water supply sites have also been celebrated as part of a broader celebration of pioneering achievement and innovation. This theme is important because it looks beyond engineering per se, and recognises the wider cultural role of water supply in settlement history. Importantly, it helps to establish that water supply sites have long been appreciated as 'heritage' sites, for their natural, cultural and historical significance.

This chapter incorporates the following Australian Historic Themes:

AHT	1.4 Appreciating the natural wonders of Australia; 3.23 Catering for tourists; 8.1 Organising recreation
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7.1 Promoting tourism and recreation

In the early nineteenth century, water was, according to arbiters of taste, an important element in the picturesque landscape. Influential explorers and surveyors, such as Major Mitchell, Robert Hoddle, as well as many individual settlers, who shared an appreciation for the picturesque and the romantic, wrote in rapturous terms about the beauty of the lakes and waterways they found in Victoria.²³³

From the 1850s, engineering works, especially reservoirs, attracted admiring visitors. At Yan Yean, visitors marvelled at the expansive sheet of water, which appeared like a glassy lake in a celebrated landscape in the style of 'Capability Brown'. More modest sites, such as the 'Breakwater' on the Barwon River at Geelong, also formed a pleasing picture. Many reservoir sites had already been places of existing natural beauty, such as Langi Ghiran, near Ararat, but this beauty was now enhanced by the pleasing addition of a lake.

Nineteenth-century reservoir buildings, such as outlet towers and pumping houses, often followed Classical or Italianate styles, which fitted with popular notions of a picturesque landscape. The outlet tower at Yan Yean with its arched opening and positioned on a vast expanse of water, added a picturesque quality to the scene, as did the Classical form of the outlet tower at Maroondah Dam, erected some sixty years later. Part of the celebration of these structures was the successful combination of artistic beauty and engineering achievement.

By the late nineteenth century, tourists were enjoying the delights that reservoirs brought to the landscape, marvelling both at natural beauty and engineering ingenuity. A tourist guide of 1880 recommended a visit to Langi Ghiran, where 'magnificent views' could be had, and to Hall's Gap, where the infrastructure of the Stawell water supply, including a tunnel and iron fluming, could be seen.²³⁴ Visiting the botanic gardens on Wombat Hill (Daylesford) in 1889,

²³³ Major Mitchell, for example, wrote rapturously about both the Wimmera and the Glenelg Rivers. See T.L. Mitchell, *Three Expeditions into the Interior of Eastern Australia: With descriptions of the recently explored region of Australia Felix*, 2 volumes, T. & W. Boone, London, 1838.

²³⁴ Robert Percy Whitworth, *Guide to Victoria* (Melbourne 1880), pp. 262, 265.

and finding the town reservoir with an ornamental fountain, one visitor wrote: 'It was a pleasant surprise to find this refreshing sheet of water at such an elevation'.²³⁵

As well as serene water vistas, the idea of the romantic landscape also embraced what appeared rustic and wild. Wallaby Creek, located some ten miles north of Yan Yean, with its extraordinary stone steps known as 'The Cascades', and the open channels of cut bluestone winding through dense mountain forests, was celebrated as such a landscape. It remained a popular tourist attraction until the closed catchment policy was enforced.

Reliable water supplies helped to beautify the landscape in other ways, significantly in the development of gardens and plantations, and through street tree planting. When the water main from Preston to Melbourne was duplicated in 1868, for example, and the water extended to Prahran and South Yarra, the Government Botanist, Ferdinand Mueller, planted trees in the Domain and along St Kilda Road.²³⁶ There may also be a link between the establishment of early town water supplies and the planting of street trees, for example those in Sturt Street, Ballarat.

In an effort to beautify their townships in the late nineteenth century, a number of local councils in mining areas created ornamental lakes to hide the scarred mining landscapes.²³⁷ Sometimes, as in the case of Jubilee Lake, Daylesford, these were also used as a water supply. An ornamental lake was created next to the Eildon township as part of the works on the enlarged dam in the 1950s.²³⁸

Water was a fundamental requirement for many recreational activities, and rivers and lakes had long been sites of respite. Before a reliable water supply, outdoor eating required a water source and a river bank or lakeside spot was ideal. On private properties, enjoying a get-together on the banks of the farm dam or irrigation channel was a popular activity on a hot day. From their inception, water supply sites became popular places for outdoor recreation and picnicking. Many reservoir reserves developed picnic grounds, complete with landscaped grounds and picnic facilities. Those managed by the MMBW, including Yan Yean, Maroondah, Upper Yarra and Silvan, provided excellent facilities and were very popular. Many reservoirs in country areas, for example Malmsbury and Lake Eildon, permitted boating and fishing, especially when there was no other large sheet of water available for such activities. Limited fishing was even permitted at Yan Yean. In the late nineteenth century, a number of local acclimatisation societies requested that exotic fish, such as trout, carp and goldfish, be released into the reservoirs. Like the MMBW, the SRWSC developed and promoted its reservoir reserves for tourists, especially after World War II. At Lake Bellfield an observation deck was created, which was cantilevered over a building containing public toilets.²³⁹

235 'A Victorian Beauty Spot - Daylesford by Ambulane', unnamed Daylesford newspaper, early December 1889, copy held on National Trust file 'Daylesford Botanic Gardens'; from Aitken (1997).

236 Priestley, *Arriving* (1984), p. 101.

237 For example, Bendigo, Daylesford and Malmsbury. This is discussed in Michael Roper, 'Inventing Traditions in Goldfields Society: Public rituals and townbuilding in Sandhurst, 1867-1885', M.A. thesis, Department of History, Monash University, 1986.

238 State Rivers and Water Supply, *Eildon Dam* (SRWSC, [Melbourne], 1956).

239 J.F. Horwood, 'Recreation at Reservoirs', *Victoria's Resources*, vol. 6, no. 4, Dec 1964-Jan 1965, p. 115.



Trout fishing at Eildon Weir

Figure 41

Victorian State Rivers and Water Supply Commission, c1950-55

[SLV rwp/10858]



Cooling off in the local irrigation channel, n.d.

Figure 42

[Chris McConville, *Mum and Dad Made History*, Museum of Victoria, 1988]

The availability of a reliable and adequate supply of fresh clean water was a boon to any district, not least because in the mid nineteenth century, a supply of clean water represented moral advancement. A sufficient water supply meant that public baths could be built, which were also popular tourist attractions.

Tourists flocked to the reservoirs in the late nineteenth century, and as part of this fashion, accommodation facilities were needed. There were a number of hotels at Whittlesea that serviced visits to Yan Yean by the 1880s. Visitors to Maroondah Dam could stay in any

number of grand hotels in Healesville. When Maroondah Dam was opened in the 1920s the Maroondah Lake Hotel was a popular place to stay.²⁴⁰

Mineral springs were also well patronised from the 1880s. Popular spots were located at Hepburn Springs, Ballan, Bullarto, and Clifton, near Portarlington.

Heritage - Theme 7.1: Promoting tourism and recreation

- Hepburn Springs – mineral water deposits and water pumps (1880s) (HO735, Hepburn Planning Scheme)
- Ornamental lake at Royal Botanic Gardens, Birdwood Avenue, Melbourne (part of VHR H1459)
- Ornamental lake at Rippon Lea, Hotham Street, Elsternwick (VHR H614)
- Lake Wendouree, Ballarat and Lake Eppalock
- Parks at Gong Gong Reservoir and Kirk's Reservoir, Ballarat; Greenvale Reservoir; Yan Yean Reservoir; Toorourrong Reservoir; Sugarloaf Reservoir; Maroondah Reservoir; Silvan Reservoir; Cardinia Reservoir; and Moorabool Reservoir²⁴¹
- Observation deck & pavilion, Lake Bellfield, Grampians Road, Halls Gap

7.2 Monuments to the water supply

Majestic natural sources of water supply were themselves a source of national pride and celebration. Yet while the grandeur of nature was certainly glorified in art and literature, the harnessing of nature tended to make the spectacle all the more awe-inspiring. In nineteenth-century Victoria, a period when engineering was stamping its mark on the landscape, there was much celebration of industry as the hallmark of progress. Celebrating the water supply was at once a celebration of what was man-made and what was natural.

The more recent dams and reservoirs constructed in Victoria, especially those in the 1950s and after, were impressive feats of engineering and considered monuments in themselves. Lake Eildon and the Upper Yarra Dam, with the sheer enormity of their water surface and the towering dam walls, were monumental landscapes, which celebrated triumph of technology over the natural environment. The completion of Yan Yean one hundred years sparked the same response; it was rightly celebrated as a remarkable achievement for its time. To mark the opening of the Yan Yean system, a fountain was erected in the centre of the city in 1859.²⁴²

By the end of the nineteenth century, the successful harnessing of water resources was embraced as part of the emerging national identity and of ideas about progress. Some civic monuments that incorporated water elements represented the notion of settlers battling successfully against a difficult environment.

By the early twentieth century, significant water supply sites were also celebrated as an important part of pioneering history. In the East Loddon area, a commemorative stone cairn was erected in 1988 at the site of an early weir that farmers had built a weir on the Loddon River in 1858. Locals claimed that this site represented 'the commencement and development of permanent Stock and domestic and Irrigation supplies of water to Northern Victoria'.²⁴³

240 Les Harsant, *Water for a Metropolis: The Maroondah water supply system* (Healesville & District Historical Society, Healesville, 1991), p. 5.

241 See Rhona Boyle, *A Guide to Melbourne's Parks and Gardens* (1991) pp. 172-82.

242 Dingle and Doyle, *Yan Yean* (2003), p. 57.

243 *Water and Our Heritage* (1988), no page numbers.

Near Marnoo in the Wimmera, local residents erected a memorial stone in 1915 at the site of Creswick's Well, which was sunk by the district's first settlers in 1866. It had been used as the first source of water supply in the district and had later relieved the town during periods of drought. A celebratory booklet recounted the story of the well as part of the 'history of pioneering effort', and explained that the district pioneers had erected the memorial stone 'in order to express their gratitude for services rendered during the severity of the recent drought'. The author solemnly declared: 'The best perpetuation of their memory is the well'.²⁴⁴

There was also a celebration of the pioneering work of water authorities in establishing waterworks and irrigation systems. The MMBW and the SRWSC both demonstrated a keen sense of pride in their own history, and embraced as their own the history of their various predecessors. The SRWSC, for example, erected a historical monument site on the Goulburn River at Murchison where a temporary pumping plant had operated around 1882.²⁴⁵ In Melbourne in 1964, the MMBW ceremoniously laid two bluestone blocks at the point of commencement of the new South-Eastern Freeway, using blocks that had originally been used in the construction of Yan Yean in the 1850s.²⁴⁶

The 1950s were a period of celebration for the two key water authorities in Victoria. The SRWSC celebrated its jubilee in 1956, which conveniently coincided with the opening of the new Eildon Dam. At the same time, the MMBW - established in 1891 - celebrated the centenary of Melbourne's early water supply. The completion of the Upper Yarra Dam in 1957 coincided with the centenary of the completion of Yan Yean. The MMBW, although only formed in 1891, proudly embraced the earlier history of Yan Yean and produced a narrative in 1957 that celebrated the continual progress and development of Melbourne's water supply.²⁴⁷

The pioneers of engineering and water supply administration in Victoria have been honoured and celebrated. The Chaffey residence 'Rio Vista' at Mildura was converted to a historical museum²⁴⁸; Hugh McColl is remembered in the 'McColl Bridge' over the Waranga Channel near Birchip;²⁴⁹ while Stuart Murray's name is perpetuated in the Stuart Murray Channel (formerly the Goulburn-Waranga Channel).²⁵⁰ The multi-talented Alfred Deakin is remembered in countless arenas. Workers are less often remembered, but the monument at Upper Yarra Dam, dedicated to those who built the dam, is a notable exception.²⁵¹

244 A.W. Glencross, *The History of Creswick's Well* (Marnoo, 1915); J.A. Graham, *The History of Creswick* (1987), p. 6.

245 East, *Pioneers of Irrigation* (1961), p. 7.

246 Dingle and Doyle (2003), p. 108.

247 [MMBW]. *A Century of Water Supply: Yan Yean Reservoir 1857, Upper Yarra Reservoir 1957*. Melbourne and Metropolitan Board of Works: The Board, Melbourne [1957].

248 Cannon (ed.), *Vagabond Country*, 1981, p. 210.

249 Dorothy Green, Birchip Historical Society, pers. com., 13.8.07; two photographs of the McColl Bridge are held by the Royal Historical Society of Victoria.

250 Russell, 'Builders of Public Enterprise in Victoria', in *Victorian Historical Journal*, June 1992, p. 12.

251 Val Smith, *Upper Yarra Dam: A pictorial history* (Val Smith, 1995), no page numbers.



*The Chaffey Brothers
office, Mildura, c1890,
now used as an historical
museum*

**Figure
43**

[www.coombs.anu.au]

Heritage - Theme 7.2: Monuments to the water supply

- Temporary pumping plant, Goulburn River (1882) [East (1961), p. 7]
- 'River God' fountain in Fitzroy Gardens, Melbourne
- McColl Bridge (plaque), Birchip-Wycheproof Road and West Waranga Channel (c.1930) [RHSV photographs; Dorothy Green, Birchip HS, p.c., 13.8.07]
- Former Chaffey residence 'Rio Vista', c.1880s, Mildura; converted into an historical museum [Cannon, *Life in the Country*, 1973, p. 210]
- Site of Creswick's Well, Marnoo (1866) [Glencross, *Creswick's Well* (1915)]
- Monument to construction workers, Upper Yarra Dam, Warburton (c.1957) [Val Smith, 1995]

7.3 Public fountains and horse troughs

With their constant stream of water, fountains made a visible declaration about a town's abundance of fresh clean water, while at the same time were a means of beautifying the urban landscape. This appealed to colonial improvers such as this enlightened Geelong journalist writing in 1849: 'A really liberal and enlightened government would freely grant spaces for ... erecting fountains ... the supply for which, from the water to be laid on from the Barwon, would be inexpensive'.²⁵² Public fountains were proposed for Melbourne the same year.²⁵³

Once the Yan Yean water was laid on in Melbourne in 1857, fountains were guaranteed a sufficient water supply and within two years, an ornamental (though problematic and short-lived) public fountain had been installed in the city.²⁵⁴ Other early fountains were erected through the nineteenth century, both in private residences, and in public parks, gardens and cemeteries. A fountain was planned for the Royal Botanic Gardens in 1860s and the Carlton Gardens the following year.²⁵⁵ The 'River God' fountain, which itself symbolised the

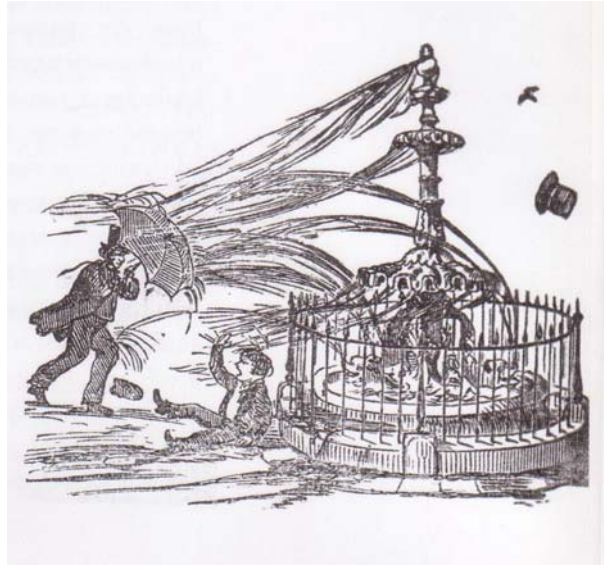
²⁵² *Australia Felix Magazine*, 1849.

²⁵³ Flannery (ed.), *The Birth of Melbourne* (2002), p. 156.

²⁵⁴ Barrett, *The Civic Frontier* (1979), p. 275. For its removal, see *Argus*, 2 April 1861, p. 4.

²⁵⁵ *Argus*, 23 October 1860; *Argus*, 16 November 1861, p. 4.

celebration of the river, was installed in the Fitzroy Gardens in 1863. New manufacturing techniques made it easier to create grand and ornate structures. Architectural modellers Wardrop & Scully were one firm that designed many fountains in Victoria; surviving examples include those at Hamilton Botanic Gardens, Ararat Town Hall and Williamstown Cemetery.²⁵⁶



The problematic Yan Yean fountain, erected in Melbourne in 1859

Figure 44

[*Melbourne Punch*, 1 December 1859]

In the mid to late nineteenth century, drinking fountains were also often designed in ornate Victorian styles. They sometimes incorporated the function of a memorial, as at Beckett Park, Balwyn, or encouraged and celebrated the cause of temperance, as at Williamstown. The availability of Yan Yean water made possible the installation of many drinking fountains in Melbourne in 1859.²⁵⁷ Drinking fountains were also erected by local councils, especially in sports grounds and town centres, and by state schools.

Ornate public fountains stood proudly at a prominent place in many town centres. In the dry north-west they stood as a testament to the triumph of engineering over the threat of drought and the impermanence of water supplies. They combined Victorian exuberance and frivolity with a conviction of future prosperity. A fountain completed a town square, and added structure and beauty to a local park or garden. The fountain in Hopetoun, for example, was the 'favourite gathering place'.²⁵⁸

In the nineteenth century when most of Melbourne's fountains were built, the celebration of water also had pseudo-religious connotations - through associations with baptism and rebirth - as well as strong temperance associations. The Woman's Christian Temperance Union, founded in 1887, agitated for the provision of clean drinking water in public places, in particular drinking taps and fountains. The drinking fountain opposite the Queen Victoria Market in Elizabeth Street, Melbourne, was donated by the Union and erected in 1901 to commemorate Federation.

²⁵⁶ Nigel Lewis Richard Aitken Pty Ltd, 'Williamstown Cemetery Conservation Plan', prepared for the Trustees of the Williamstown Public Cemetery, February 1994.

²⁵⁷ Barrett, *The Civic Frontier* (1979), p. 275.

²⁵⁸ McIntyre and McIntyre (1944), opposite p. 200.

A reliable water supply also benefited the moral health of society through the recreational pursuits available at public baths. Public baths were established in the city, which were opened in 1860; as well as public toilets.²⁵⁹



*The 'River God'
fountain in the Fitzroy
Gardens, 1863 – a
celebration of water*

Illustrated Post, March
1863

[SLV H96.200/1023]

**Figure
45**

Animals also benefited from a ready access to water. Unlike drinking fountains, horse troughs were, by necessity, more functional than they were decorative. In the Wimmera they were commonly made from a hollowed log. They were often unsightly. In the cities and towns, local councils provided street water troughs as did local publicans.

A familiar sight in many country towns in Victoria is the water troughs donated by the fund established by Annis and George Bills. Annis and George were animal lovers and keen supporters of the RSPCA with George becoming a Life Governor in 1924. Having no children of their own, they donated large sums of money to charities and individuals, and following the death of Annis in 1910 and George in 1927 a trust fund was established and administered by George's sister Daisy Crook and her husband in accordance with George's wishes. The Bills Trust was set up to (amongst other things):

... construct and erect and pay for horse troughs wherever they may be of the opinion that such horse troughs are desirable for the relief of horses and other dumb animals either in Australasia, in the British Islands or in any other part of the world subject to the consent of the proper authorities being obtained.

The early troughs were individually designed and constructed. By the early 1930s a relative of the Bills, J.B. (Jack) Phillips, became the contractor to the Estate and a registered design of pre-cast concrete became the standard for future troughs. Although designed primarily for horses, some troughs had dog bowls fitted to the side. Troughs were constructed at Phillips' site in Auburn Road, Hawthorn, for despatch throughout Australia. Later, in about 1938, Rocla took over manufacture (eventually moving production to a site in Junee, NSW), still using the standard Phillips design, and production reached its peak by the end of the interwar period by which time almost 300 had been despatched.

The increasing use of motor cars from the late 1940s caused a decline in demand for the troughs and no further troughs were despatched after World War II. The focus of the Bills

259 Barrett (1979), p 276; Jennifer Bailey, 'Cleansing the great unwashed: Melbourne city baths', *Victorian Historical Journal*, October 1992, pp. 141-153.

Trust moved to other areas of animal welfare, such as the establishment of the RSPCA home for dogs, cats and other pets at Tally Ho in the 1960s.²⁶⁰

Heritage - Theme 7.3: Public fountains and horse troughs

- Drinking fountains erected by the Temperance movement such as the Wilkinson Memorial Drinking Fountain (c.1876), Nelson Place, Williamstown (H1733), and the Women's Christian Temperance Union in Victoria Square, Elizabeth Street, Melbourne (VHR H194)
- Other public drinking fountains such as in University Square, Carlton; and the Thomas Montgomery memorial drinking fountain, Shaw Street, Mortlake
- Fountains such as the 'River God' fountain, Fitzroy Gardens (by 1863), and the Hochgurtel Fountain (1880), Royal Exhibition Buildings, Carlton (VHR H1501)

7.4 Designing landscapes for water supply purposes

Part of the celebration of the water supply was to enhance the appearance of the reservoir reserves with gardens, ornamental trees, and large plantations. This provided a pleasant place to visit, but was also thought to benefit the banks which, unplanted, may be subject to erosion. As discussed in Chapter 6, tree planting around reservoirs was also believed to protect the water quality. Pines were planted at Yan Yean Reservoir by the early 1860s, as is evident in Thomas Short's early painting of the reservoir. Reservoirs were also places where there was experimentation with planting different species. Ferdinand Mueller, Director of the Melbourne Botanic Gardens, is known to have provided the Ballarat Water Commission with 1628 plants in 1870, presumably for its new reservoir at Gong Gong.²⁶¹ Mueller almost certainly provided similar cases of seedlings, as well as advice on planting, to other water authorities in Victoria.



The elaborate floral 'Car Park' at the Maroondah Reservoir picnic ground, c.1948

[SLV H96.200/1023]

Figure 46

Large ornamental gardens were developed at several reservoir reserves in the 1920s and 1930s. Under the management of the MMBW, much attention was paid to the gardens, for example at Maroondah (1927) and Silvan (1932), and they became an attraction in themselves. Trees, especially pines, were also planted along the open channels and pipe tracks, partly for

²⁶⁰ Tim Gibson, "Donated by Annis & George Bills - Australia": Their concrete horse trough legacy' in Gippsland Heritage Journal, no. 20, September, 1996, pp. 44-47.

²⁶¹ Sara Maroske and Andrew May, "Horticultural Embellishments": Public conferments from the Melbourne Botanic Gardens in 1870', *Australian Garden History*, 4, 4, 1993, p. 11: 1628 plants supplied to the Water Supply Commission, Ballarat, in 1870.

ornamental reasons but also partly because it was considered that evergreens went some way to protect the purity of the water. The Yan Yean pipe reserve through Northcote and Preston was planted in the 1930s with a row of Canary Island Date Palms (*Phoenix canariensis*). The form of this tree suggests celebration and triumph; only a small section of these remain along Robinson Road in Reservoir.²⁶² Palms were also planted at Mildura at various sites.

Heritage - Theme 7.4: Designing landscapes for water supply places

- Tree plantations along the Yan Yean pipe reserve, Robinson Road, Reservoir and Mildura street trees (*Phoenix canariensis*?)
- Reservoir parks and gardens such as those at Toorourrong, Maroondah, Silvan and Gong reservoir, Ballarat
- ‘The Cascades’ above Toorourrong Reservoir

7.5 Water features in designed landscapes

In Melbourne and its suburbs, and in many of Victoria’s country towns, the temperate climate and the relatively reliable rainfall were of great benefit to gardens, but the arrival of a readily available piped water supply was of much greater use. The Yan Yean water supply was a great boon to Melbourne’s gardens when it was made available in suburban Melbourne in the late nineteenth century. Prior to that, public and private gardens had relied on various other means of water supply. Up until the 1930s, the Melbourne Botanic Gardens had relied on a reservoir (itself filled from the Yan Yean), which was situated at its highest point, and from which water flowed through the gardens via a system of iron pipes and open channels.²⁶³ Likewise, the Bendigo and Castlemaine public gardens benefited from the 1870s from water from the Coliban system.

Water features, such as lakes, fountains and ponds,²⁶⁴ were popular in the designed landscapes of city and country. Many gold-mining towns built artificial lakes in the late nineteenth century after the decline of gold, as part of beautification of a landscape scarred by mining.²⁶⁵ Similarly, the creation of artificial lakes in the holes left over from mining was an imaginative response that created an attractive landscape feature. An ornamental lake was also sometimes constructed as a supplement to the local water supply or as part of a broader irrigation scheme. At Ripponlea mansion in Melbourne, a large ornamental lake was fed through a series of pipes that drew water from nearby springs. The water was piped over an ornamental waterfall.²⁶⁶ Likewise, at Wombat Hill Botanic Gardens (Daylesford) in the 1880s, the overflow from a public reservoir was diverted to a waterfall which cascaded down rocky ledges to a fish pond below.²⁶⁷ The Ercildoun property has a series of ornamental lakes that were constructed as part of a broader scheme that included hydro-electricity generation and a trout hatchery.

The period of the first substantial development of public gardens in the suburbs of Melbourne and the country towns tends to reflect the coming of a reliable water supply. The Melbourne Botanic Gardens, for example, benefited greatly from the arrival of Yan Yean in the late 1860s.

262 Dingle and Doyle, *Yan Yean* (2003), p. 104.

263 Richard Aitken and Mike Looker (eds), *Oxford Companion to Australian Gardens* (2002), p. 331.

264 Aitken and Looker (eds), *Oxford Companion to Australian Gardens* (2002), p. 630.

265 See Michael Roper, ‘Inventing Traditions in Goldfields Society: Public rituals and townbuilding in Sandhurst, 1867-1885’, MA thesis, Monash University, 1986.

266 Rohan Lamb, ‘Irrigation’, in Aitken and Looker (eds), *Oxford Companion to Australian Gardens* (2002), p. 331.

267 *Daylesford and its Surroundings* by “A wanderer” (Troedel, Melbourne, 1885), pp. 13-14.

‘Wishing wells’ were popular garden features in Victoria in the 1920s and 1930s. In keeping with the English ‘cottage’ styles of the period, these were quaint and decorative, and typically built in rustic stonework. The wishing well endured in the postwar gardens of the 1950s, usually in a more streamlined style with a simple gable roof. Like fountains, wishing wells stood as ornamental fancies but were also a subtle pointer to the optimism and pride in local water supplies. Early examples of wishing wells were at Arthur’s Seat, and the Fitzroy Gardens.²⁶⁸



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“THE WISHING WELL,” BLACK SPUR, HEALESVILLE

*The Wishing Well,
Blacks’ Spur, Healesville*

**Figure
47**

[SLV 32492/529]

More recently wetlands have become a popular feature of public parks and gardens.

Heritage - Theme 7.5: Water features in designed landscapes

- Ornamental lake at Rippon Lea, Hotham Street, Elsternwick (VHR H614)
- Waterfall and reservoir at Wombat Hill Botanic Gardens, Daylesford (part of RNE 2/03/094/0018)
- Ercildoun ornamental lakes and landscape, 973 Ercildoun Road, Ercildoun (VHR H313)

7.6 Recognising heritage values

From the beginning of heritage consciousness in Victoria, say from the 1950s and 1960s, there was limited recognition of heritage values in water supply sites. The reasons for this lie partly in the fact that many sites were still currently in use and so not perceived as historic; that they were essentially considered ‘engineering’ sites rather than ‘historic’ sites; and that they were such large areas and complex parts that it was difficult to isolate one section as historic. With growing interest in ‘industrial heritage’ over the last twenty years, however, water supply sites have been increasingly recognised in local heritage studies and in wider heritage surveys, such as those of the Land Conservation Council and the Regional Forest Agreements.²⁶⁹ In an overview of heritage places on public land in 1992, historian Jane Lennon remarked that ‘harnessing water supply from the forested catchments has left a legacy of hydraulic engineering relics’.²⁷⁰ Many of these places have since come to light.

²⁶⁸ For examples of wishing wells in Victoria, see the State Library of Victoria Pictures Catalogue:

<http://www.slv.vic.gov.au/catalogues/index.html>

²⁶⁹ See, for example, Tom Griffiths, ‘Fire, Water, Timber and Gold: A history of the Melbourne East Study Area’, prepared for the Land Conservation Council, Department of Conservation, Forests & Lands, Melbourne, 1989.

²⁷⁰ Jane Lennon, *Our Inheritance* (1992), p. 49.

Several water supply sites are now been included on the Victorian Heritage Register, including parts of Yan Yean and the Coliban water supply systems. Others are listed on the National Trust Register or local planning schemes. There are also catchment areas that have been recognised for their natural values, such as the Wallaby Creek, which has been made a Reference Area. There are, nonetheless, many places, however, that are also important in the story of water supply but which have not been recognised in planning schemes.

Some sites now also provide heritage interpretation, such as Yan Yean and Toorourrong. In addition, there have also been some instances of creative adaptation and re-use of water supply buildings – such as the Murtoa water tank and the former Kyneton water supply offices, both of which have been converted for re-use by local historical societies.

While engineering history, so integral to pioneering history, has been recognised by heritage bodies and water authorities, and by the engineers themselves, the popular understanding of heritage in water supply history has tended to exclude Aboriginal sites. Some of the sites in these categories, however, have been recorded by Aboriginal Affairs Victoria.

One of the problems in assessing and protecting water supply sites is the ongoing need for replacement of old or obsolete elements, and the need to adapt to new technologies associated with hydrology. Despite encompassing an enormous number of potential heritage sites, Victoria's water supply history has in many cases left limited material structures. Apart from the major works such as reservoirs and channels, much of the original machinery has been removed and much of the obsolete piping and associated infrastructure, made of cast iron, does not weather well. Many buildings have been removed or have been left in ruins.

There is evident a high degree of pride and 'ownership' in water supply systems at a local level, and a strong sense that the various water supply systems, especially irrigation works and large works such as the Coliban, are an important part of local history and heritage. There has been much historical research carried out at a local level, for example by local historical societies, some of which are the custodians of the early documentary records of water trusts and irrigation trusts. The published histories of water trusts and irrigation schemes, while not ignoring the problems and pitfalls and regular frustrations with bureaucracy, are overwhelmingly celebratory, especially the earlier examples, such as Ernestine Hill's monumental pioneering epic, *Water Into Gold*, first published in 1937, celebrates the Chaffey's achievements at Mildura.

More recent historical accounts of water supply systems incorporate more than technology and bureaucratic developments; they also consider the important role of the local workers on the systems and the role of the water users, and take a broader social history view of the development of water supply systems. Some recent accounts have also perhaps been motivated by a new-found appreciation for the local water supply at a time when water is no longer considered a bountiful resource, and when water conservation and water restrictions have become commonplace. Local communities seek to understand and remember the story of water supply in their district, and in doing so identify, protect and even commemorate the sites of that history.

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This reference list includes a number of items that have not yet been cited for this stage of the study owing to time restrictions. They have been included here because they are considered integral to the field of research. References that have not been cited are marked with an asterisk (*).

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1.1 Archive collections

Public Record Office Victoria

There is an enormous amount of material in the PROV collection pertaining to Victoria's water supply history. This is spread across many Series numbers, and has not been catalogued as a subject, making it difficult to determine the most useful items. This is a list of some of the most useful series numbers:

- VPRS 5920, Pastoral Run Files, 1840–1879.
- VPRS 7664, Unregistered Maps and Plans (includes plans of Ballarat and Bendigo water works 1858-1864).*
- VPRS 8609, Historical Records Collection (MMBW), Units 1–15 'Seegar Collection'.
- VPRS 8676, Index to MMBW Historical Records Collection.
- VPRS 3844/P0, Water supply correspondence files *
- VPRS 244/PO, Crown reserves correspondence *
- VPRS 11186, Historical Collection of the SRWSC and its successors, the Rural Water Commission and Rural Water Corporation. This may also include some material brought over from the former Water Supply Department (est. in 1865).*
- VPRS 11878, Various Select Committee reports relating to water supply, 1858-1869.*
- VPRS 6008, General Correspondence Files (as relating to water supply history).*
- Various Water supply records (500 records) *
- Lands Records – see Peter Cabena et al guidebook *

PROV also holds the records of many individual water authorities, including (listed here with relevant date ranges of records held):

- Carrum Irrigation and Waterworks Trust, 1890-?1901 (VA 4735)
- Dandenong Waterworks Trust, 1891-?1920 (VA 4736)
- Drouin Waterworks Trust
- Geelong Waterworks and Sewerage Trust, 1910-1984
- Gisborne Waterworks Trust, 1890-1984 (VA 2093)
- Hernes Oak Waterworks Trust
- Inglewood Water Commission, 1875-1948 (VA 638)
- Lancefield Waterworks Trust, 1888-1983 (VA 2114)
- Macedon Waterworks Trust, 1890-1984 (VA 2124)

- Maffra Waterworks Trust, 1913-1984 (VA 2125)
- Melbourne Water Corporation (MMBW till 1992), 1891-current (VA 1007)
- Mirboo North Waterworks Trust, 1945-1984
- Moe Waterworks Trust
- Morwell Waterworks Trust, 1912-1983
- Mount Macedon Waterworks Trust, 1885-1984 (VA 2136)
- Noojee Waterworks Trust (1947-1984)
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- Rodney Irrigation and Water Supply Trust, 1889-1906 (VA 4032)
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- Sunbury Waterworks Trust, 1905-1983 (VA 4771)
- Swan Hill Irrigation and Water Supply Trust, 1887-1906 (VA 4033)
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- United Echuca and Waranga Waterworks Trust, 1882-1908 (VA 4034)
- Warragul Waterworks Trust, 1908-1984 (VA 2172)
- Western Wimmera Irrigation and Water Supply Trust, 1888-1906 (VA 4037)
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- Yarragon Waterworks Trust

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University of Melbourne Faculty of Engineering 1870–1976

Government Waterworks plans – Victoria. Government papers from Australia and overseas relating to irrigation and water supply. Accession Number: 79/67.*

Land Victoria

Historical Plans Collection, Central Plans Office (water supply WS, 137 plans 1858-1914 (includes plans of rural water supply works, including reservoirs, channels and sometimes associated buildings).

Police Historical Unit

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State Library of Victoria

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Victorian water authorities

The major water authorities in Victoria also hold a wide range of important historical records that relate to the early water trusts and irrigation trusts in their particular areas. These records include Minute Books, Rate Books (water rates), historic photographs, maps, manuscripts, histories of the various water authorities.

Victorian Local History Societies

Many local history and heritage societies in Victoria are the custodians of important historic records relating to water supply in their area. Their holdings include indexed newspaper articles, Council Minute Books, subject files, historic photographs and historical accounts. The Woodend & District Heritage Society, for example, has recently acquired the Woodend Water Board Records, 1888-1900.

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APPENDIX 1 - GLOSSARY


Conservation terminology

AHC criteria	The <i>AHC criteria</i> are used to assess whether a place has significant cultural heritage values.
Cultural significance	<p><i>Cultural significance</i> means aesthetic, historic, scientific, social or spiritual value for past, present or future generations.</p> <p>Cultural significance is embodied in the <i>place</i> itself, its <i>fabric, setting, use associations, meanings, records, related places and related objects</i>.</p>
Conservation	<i>Conservation</i> means all the processes of looking after a place so as to retain its <i>cultural significance</i> .
Burra Charter	<p>The <i>Burra Charter</i> is the short name given to the <i>Australian ICOMOS Charter for Places of Cultural Significance</i>, which was developed by Australia ICOMOS at a meeting in 1979 in the historic South Australian mining town of Burra. It is now widely accepted as the basis for cultural heritage management in Australia.</p> <p>The Burra Charter may be applied to a wide range of places - an archaeological site, a town, building or landscape and defines various terms and identifies principles and procedures that must be observed in conservation work.</p> <p>Although the Burra Charter was drafted by heritage professionals, anyone involved in the care of heritage items and places may use it to guide conservation policy and practice.</p>
ICOMOS	<i>ICOMOS</i> (International Council on Monuments and Sites) is a non-governmental professional organisation formed in 1965. ICOMOS is primarily concerned with the philosophy, terminology, methodology and techniques of cultural heritage conservation and is closely linked to UNESCO.
Place	<i>Place</i> means site, area, land, landscape, building or other work, group of building or other work, and may include components, contents, spaces and views.
Post contact	<i>Post-contact</i> means the period after first contact between indigenous and non-indigenous (sometimes referred to as 'European') individuals or communities.

Water supply terminology

Term	Definition	Source
anabranch	An anabranch is a section of a river or stream that diverts from the main watercourse channel (or mainstem) and rejoins the mainstem downstream.	www.wikipedia.org
aqueduct	a bridge built to carry flowing water from one point to another.	www.powerhousemuseum.com.au
aquifer	A layer of porous rock that both stores water and allows it to drip through.	www.melbournewater.com.au
catchment	The area of land drained by a particular waterway or drainage system.	www.melbournewater.com.au
centrifugal pump	A centrifugal pump is a rotodynamic pump that uses a rotating impeller to increase the pressure of a fluid. Centrifugal pumps are commonly used to move liquids through a piping system. The fluid enters the pump impeller along or near to the rotating axis and is accelerated by the impeller, flowing radially outward into a diffuser or volute chamber, from where it exits into the downstream piping system.	www.wikipedia.org
dam	Technically, the dam is the wall that holds the water in and reservoir is the water.	www.melbournewater.com.au
deep leads	A miner's term for buried river gravels where mining is needed to win gold. They occur where ancient gold-bearing gravels are buried by younger rivergravels, or by basalt flows.	http://www.veac.vic.gov.au/riverredgum/documents/ZAppendixReferences.pdf
deep-lead mining	Deep lead mining involved the extraction of alluvium from ancient buried stream beds or gutters, the deposits sometimes occurring at a very considerable depth.	www.ahc.gov.au
desalination	Removal of salts from seawater or other saline solutions by distillation, chemical reactions or use of membranes; leaching of salt from the surface horizon of saline soils.	www.awa.asn.au
destratification	Reduction of layer formation in water storages by producing turbulence with aerators or mechanised mixers.	www.awa.asn.au
diversion weir	A small weir or wall across a stream or river, diverting water into a pipeline or tunnel.	www.melbournewater.com.au
diversion channel	An artificial channel constructed around a town or other point of high potential flood damages to divert floodwater from the main channel to minimize flood damages. (2) A channel carrying water from a diversion dam.	www.streamnet.org.au
environmental flows	Water provided from a storage reservoir to create a downstream flow pattern similar to that of the natural environment, so as to maintain in-stream habitat, water quality, stream-building processes, floodplains, wetlands etc.	www.melbournewater.com.au
filtration	The separation of suspended material from a liquid by passing the liquid through a porous substance, a filter	www.melbournewater.com.au

Term	Definition	Source
	or other membrane which will retain insoluble matter or particles large in size than the pores in the membrane.	
flume	A flume is an open artificial water channel, that leads water from a diversion dam or weir completely aside a natural flow, often an elevated box structure (typically wood) that follows the natural contours of the land.	www.wikipedia.org
gravity flow	A water system that relies on gravity to provide the pressure required to deliver the water.	www.irrig8right.com.au
gravity irrigation	Method of operating a system or part of a system using gravity alone, water being available at a sufficient level (or pressure) to ensure its conveyance of delivery to the fields or its distribution in the fields.	www.irrig8right.com.au
groundwater	Water collecting below ground level in an aquifer or water table.	www.awa.asn.au
hydrology	The study of water occurrence, distribution, movement and balances in ecosystems; the seasonal patterns of a river's flow.	www.awa.asn.au
hydraulic ram	A water-powered cyclic pump. It harnesses the forces of water hammer to pump a portion of the water being used to power the pump to a point higher than where the water originally started. It is sometimes used in remote areas, where the right conditions exist, since it requires no outside source of power other than the kinetic energy of falling water.	www.wikipedia.org
lock	On waterways (navigable rivers and canals) a lock is a particular type of device for raising or lowering boats between stretches of water at different levels. The distinguishing feature of a lock is a fixed chamber whose water level can be varied; whereas in a boat lift or canal inclined plane, it is the chamber itself which moves.	www.wikipedia.org
microfiltration	Water under pressure passes into pipes constructed of filter membrane with tiny pores too small to admit suspended solids and some pathogens.	www.melbournewater.com.au
puddling 1	In building and maintaining canals or reservoirs, puddling is lining the channel with waterproof clay. The clay must be tamped down with a tool called a punner, or trodden down, or compacted by some other means	www.wikipedia.org

Term	Definition	Source
puddling 2	In gold mining, puddling is process used to extract gold from auriferous soil. A 'puddler' is a circular machine about 18-20 feet in diameter, which was powered by a horse (see image ²⁷¹). The operation is performed by shovelling in dirt and admitting a supply of water, the action breaking the lumps of dirt and mashing all into a thick fluid compound, when the gold is disintegrated and by its superior gravity falls to the bottom. When one lot is thoroughly 'puddled', the sludge is gradually let off by a vale in the side of the box and a new supply of dirt and water put in.	
pumping station	A building that houses the equipment used to pump water from a low lying area to a higher area	www.yvw.com.au
pump storage dams	Reservoirs built above and adjacent to larger dams, with hydroelectric power production during peak demand periods when water flows from the high dam. Water is pumped back up to the storage during off-peak periods.	www.awa.asn.au
reticulation	A network, water pipes, for example, which delivers a service commodity. A water system of this kind is called a reticulated supply.	www.irrig8right.com.au
reticulated (water supply)	Treated water supplied through a system of pipes, mains, control valves, etc. for household or industrial use.	www.irrig8right.com.au
reverse osmosis	A membrane filtration process that allows only the passage of water; can be used for desalination or wherever water of high purity is required.	www.awa.asn.au
riparian	An area or zone within or along the banks of a stream or adjacent to a watercourse or wetland; relating to a riverbank and its environment, particularly to the vegetation.	www.awa.asn.au
riparian rights	The rights to water use possessed by a person owning land containing or bordering a water course or lake.	www.awa.asn.au
salinity	The concentration of soluble salts in a solution, soil or other medium.	www.awa.asn.au
siltation	The process of deposition of material which can be clay, silt, or sand-sized material on the base of a river or lake.	http://www.veac.vic.gov.au/riverredgum/documents/ZAppendixReferences.pdf
sluice	A sluice is a water channel that is controlled at its head by a gate. For example, a millrace is a sluice that channels water toward a water mill.	www.ahc.gov.au
sluice gate	Traditionally a wooden or metal plate which slides in grooves in the sides of the channel. Sluice gates are commonly used to control water levels and flow rates in rivers and canals. They are also used in wastewater treatment plants and to recover minerals in mining operations.	www.wikipedia.org

²⁷¹ Source: Department of Primary Industries www.dse.vic.gov.au/virtualexhibition/gold/low2.htm
(Image no. digg10ms)

Term	Definition	Source
sluice-box	A sluice box is a wooden box for this purpose, while a ground sluice uses a channel cut into the ground.	www.ahc.gov.au
standpipe	Standpipe (street), an external freestanding pipe to provide running water in areas with no other water supply A cylindrical water tower common in some rural areas A water source positioned at a railroad station for the use of steam locomotives	www.wikipedia.org www.wikipedia.org www.wikipedia.org
streamflow	Streamflow, or channel runoff, is the flow of water in streams, rivers, and other channels, and is a major element of the water cycle. It is one component of the runoff of water from the land to waterbodies, the other component being surface runoff. Water flowing in channels comes from surface runoff from adjacent hillslopes, from groundwater flow out of the ground, and from water discharged from pipes. The discharge of water flowing in a channel is measured using stream gauges	www.wikipedia.org
surface water	Water flowing or held in streams, rivers and other wetlands in the landscape.	http://www.water.gov.au/publications/ABS_Water_Account_2004-05_xGlossary.pdf
water entitlement	The volume of water authorised to be taken and used by an irrigator or water authority. Water entitlements include bulk entitlements, environmental entitlements, water rights, sales water, surface water and ground water licences.	State Water Report 2004-2005: A Statement of Victorian Water Resources, www.dpi.vic.gov.au
water mains	The final components in the water supply system are the water mains - pipes that carry the water underneath most residential streets. There are a number of tapping points along each main.	www.ourwater.vic.gov.au
water pump	A pump moves liquids from lower pressure to higher pressure, and overcomes this difference in pressure by adding energy to the system (such as a water system).	www.awa.asn.au
water race	An open channel for conveying water. It can be a simple earth ditch, or lined with timber or metal, or a masonry structure, and often incorporated flumes (which see) to cross declivities and maintain a constant fall. Races ranged from short earthen ditches gathering storm water for opportunistic alluvial mining, to company-operated water supply channels many miles long and linked to supply and storage dams.	www.ahc.gov.au
water right	A water entitlement held by an irrigator in an irrigation district.	State Water Report 2004-2005: A Statement of Victorian Water Resources, www.dpi.vic.gov.au
water system	A system that is hydrologically connected and described at the level desired for management purposes (eg sub-catchment, catchment, basin or drainage division and/or groundwater management unit, sub-aquifer, aquifer, groundwater basin).	http://www.water.gov.au/publications/ABS_Water_Account_2004-05_xGlossary.pdf

Term	Definition	Source
water table	The upper surface of ground water or that level in the ground where the water is at atmospheric pressure.	www.irrig8right.com.au
water treatment plant	An individual location receiving raw or partially treated water for treatment and ultimate delivery to customers	http://www.water.gov.au/publications/ABS_Water_Account_2004-05_xGlossary.pdf
water tower	A tower containing tanks in which water is stored, built at or near the summit of an area of high ground in cases where the ordinary water pressure would be inadequate for distribution to consumers in the area.	www.websters-online-dictionary.org
water tunnel	Water tunnels are used to deliver water by using a below ground channel.	www.wikipedia.org
water wheel	Generally over-shot or back-shot water wheels used to power machinery at some mines. Obviously limited in Australia to the better watered parts of the country. Some wheels in Victoria were over 20 m in diameter.	www.ahc.gov.au
wind pump	A windpump is a type of windmill used for pumping water from a well or draining land.	www.wikipedia.org
weir	A structure, usually of concrete, across a stream to impound water, with any surplus flowing over the crest; in a water treatment plant, a concrete wall of a settling pond, over which clarified water flows into the next stage of the process.	www.melbournewater.com.au
well	A ground water source, usually a hole dug in the ground down to the water table.	www.irrig8right.com.au
whim	A structure of strong timber supporting a large horizontal drum around which ropes are wrapped, being attached via a poppet head to buckets or kibbles in a shaft. The drum is attached to a long beam with a horse harness at its end. As the horse walks around the drum it turns and raises one end of the rope while lowering the other. Also referred to as 'horse whims' and 'whimsies'. Intact whims are only known to survive on a very few fields, but the iron components of whims such as horse yolk and the pin and gudgeon on which the whim pivoted are more often found.	www.ahc.gov.au

APPENDIX 2 – LIST OF REGIONAL WATER CORPORATIONS

The following water corporations currently supply water and sewerage services throughout regional Victoria:

- Barwon Regional Water Corporation
- Central Gippsland Regional Water Corporation
- Central Highlands Regional Water Corporation
- Coliban Region Water Corporation
- East Gippsland Regional Water Corporation
- Goulburn Valley Regional Water Corporation
- North East Regional Water Corporation
- South Gippsland Regional Water Corporation
- Wannon Regional Water Corporation
- Western Regional Water Corporation
- Westernport Regional Water Corporation

Water corporations supplying a combination of water, sewerage, irrigation and domestic & stock services in their respective service areas:

- Grampians Wimmera Mallee Water Corporation
- Lower Murray Urban and Rural Water Corporation

Water corporations supplying a combination of irrigation services, domestic & stock services and some bulk water services in regional Victoria:

- First Mildura Irrigation Trust
- Gippsland and Southern Regional Water Corporation
- Goulburn-Murray Regional Water Corporation

APPENDIX 3 - AUSTRALIAN HISTORIC THEMES (AHT)

1 TRACING THE EVOLUTION OF THE AUSTRALIAN ENVIRONMENT

The environment exists apart from being a construct of human consciousness. However, a thematic approach recognises the human factor in the natural environment, and how our understanding and appreciation of the environment has changed over time.

- 1.1: Tracing climatic and topographical change
- 1.2: Tracing the emergence of Australian plants and animals
- 1.3: Assessing scientifically diverse environments
- 1.4: Appreciating the natural wonders of Australia

2 PEOPLING AUSTRALIA

This theme group recognises the pre-colonial occupations of Indigenous people, as well as the ongoing history of human occupation from diverse areas.

- 2.1: Living as Australia's earliest inhabitants
- 2.2: Adapting to diverse environments
- 2.3: Coming to Australia as a punishment
- 2.4: Migrating
 - 2.4.1: Migrating to save or preserve a way of life
 - 2.4.2: Migrating to seek opportunity
 - 2.4.3: Migrating to escape oppression
 - 2.4.4: Migrating through organised colonisation
 - 2.4.5: Changing the face of rural and urban Australia through migration
- 2.5: Promoting settlement
- 2.6: Fighting for land
 - 2.6.1: Resisting the advent of Europeans and their animals
 - 2.6.2: Displacing Indigenous people

3 DEVELOPING LOCAL, REGIONAL AND NATIONAL ECONOMIES

While Geoffrey Blainey conceived of Australian history as dominated by the 'tyranny of distance' this concept is alien to Indigenous Australians. Eighteenth and nineteenth century developments in technology made it possible to link the continent to distant marketplaces, and the incentive for almost every expedition by the first European 'explorers' was the search for valuable resources. Much subsequent Australian history has revolved around the search for a staple on which to base regional economic development.

- 3.1: Exploring the coastline
- 3.2: Constructing capital city economies
- 3.3: Surveying the continent
 - 3.3.1: Looking for inland seas and waterways
 - 3.3.2: Looking for overland stock routes
 - 3.3.3: Prospecting for precious metals
 - 3.3.4: Looking for land with agricultural potential
 - 3.3.5: Laying out boundaries
- 3.4: Utilising natural resources

- 3.4.1: Hunting
- 3.4.2: Fishing and whaling
- 3.4.3: Mining
- 3.4.4: Making forests into a saleable resource
- 3.4.5: Tapping natural energy sources
- 3.5: Developing primary production
 - 3.5.1: Grazing stock
 - 3.5.2: Breeding animals
 - 3.5.3: Developing agricultural industries
- 3.6: Recruiting labour
- 3.7: Establishing communications
 - 3.7.1: Establishing postal services
 - 3.7.2: Developing electric means of communication
- 3.8: Moving goods and people
 - 3.8.1: Shipping to and from Australian ports
 - 3.8.2: Safeguarding Australian products for long journeys
 - 3.8.3: Developing harbour facilities
 - 3.8.4: Making economic use of inland waterways
 - 3.8.5: Moving goods and people on land
 - 3.8.6: Building and maintaining railways
 - 3.8.7: Building and maintaining roads
 - 3.8.8: Getting fuel to engines
 - 3.8.9: Moving goods and people by air
- 3.9: Farming for commercial profit
- 3.10: Integrating people into the cash economy
 - 3.10.1: Assisting Indigenous people into the cash economy
 - 3.10.2: Encouraging women into employment
 - 3.10.3: Encouraging fringe and alternative businesses
- 3.11: Altering the environment
 - 3.11.1: Regulating waterways
 - 3.11.2: Reclaiming land
 - 3.11.3: Irrigating land
 - 3.11.4: Clearing vegetation
 - 3.11.5: Establishing water supplies
- 3.12: Feeding people
 - 3.12.1: Using indigenous foodstuffs
 - 3.12.2: Developing sources of fresh local produce
 - 3.12.3: Importing foodstuffs
 - 3.12.4: Preserving food and beverages
 - 3.12.5: Retailing foods and beverages
- 3.13: Developing an Australian manufacturing capacity
- 3.14: Developing an Australian engineering and construction industry
 - 3.14.1: Building to suit Australian conditions
 - 3.14.2: Using Australian materials in construction
- 3.15: Developing economic links outside Australia
- 3.16: Struggling with remoteness, hardship and failure

- 3.16.1: Dealing with hazards and disasters
- 3.17: Inventing devices
- 3.18: Financing Australia
 - 3.18.1: Raising capital
 - 3.18.2: Banking and lending
 - 3.18.3: Insuring against risk
 - 3.18.4: Cooperating to raise capital (co-ops, building societies, etc.)
- 3.19: Marketing and retailing
- 3.20: Informing Australians
 - 3.20.1: Making, printing and distributing newspapers
 - 3.20.2: Broadcasting
- 3.21: Entertaining for profit
- 3.22: Lodging people
- 3.23: Catering for tourists
- 3.24: Selling companionship and sexual services
- 3.25: Adorning Australians
 - 3.25.1: Dressing up Australians
- 3.26: Providing health services
 - 3.26.1: Providing medical and dental services
 - 3.26.2: Providing hospital services
 - 3.26.3: Developing alternative approaches to good health
 - 3.26.4: Providing care for people with disabilities

4 BUILDING SETTLEMENTS, TOWNS AND CITIES

Although many people came to Australia in search of personal gain, they realised the need to co-operate in the building of safe, pleasant urban environments. Australian urbanisation and suburbanisation have special characteristics which set them apart from similar phenomena elsewhere in the world.

- 4.1: Planning urban settlements
 - 4.1.1: Selecting township sites
 - 4.1.2: Making suburbs
 - 4.1.3: Learning to live with property booms and busts
 - 4.1.4: Creating capital cities
 - 4.1.5: Developing city centres
- 4.2: Supplying urban services (power, transport, fire prevention, roads, water, light and sewerage)
- 4.3: Developing institutions
- 4.4: Living with slums, outcasts and homelessness
- 4.5: Making settlements to serve rural Australia
- 4.6: Remembering significant phases in the development of settlements, towns and cities

5 WORKING

Although a lot of what we call work is related to the economy, most of it is not undertaken for profit. A great deal of the work done in the home is neither paid nor counted as part of the national

economy. Some of the most interesting recent social history written about Australia concerns work and workplaces.

5.1: Working in harsh conditions

5.1.1: Coping with unemployment

5.1.2: Coping with dangerous jobs and workplaces

5.2: Organising workers and work places

5.3: Caring for workers' dependent children

5.4: Working in offices

5.5: Trying to make crime pay

5.6: Working in the home

5.7: Surviving as Indigenous people in a white-dominated economy

5.8: Working on the land

6 EDUCATING

Every society educates its young. While European education places a great emphasis on the formal schooling system, education encompasses much more.

6.1: Forming associations, libraries and institutes for self-education

6.2: Establishing schools

6.3: Training people for the workplace

6.4: Building a system of higher education

6.5: Educating people in remote places

6.6: Educating Indigenous people in two cultures

7 GOVERNING

This theme group is as much about self-government as it is about being governed. It includes all the business of politics, including hostility to acts of government.

7.1: Governing Australia as a province of the British Empire

7.2: Developing institutions of self-government and democracy

7.2.1: Protesting

7.2.2: Struggling for inclusion in the political process

7.2.3: Working to promote civil liberties

7.2.4: Forming political associations

7.3: Making City-States

7.4: Federating Australia

7.5: Governing Australia's colonial possessions

7.6: Administering Australia

7.6.1: Developing local government authorities

7.6.2: Controlling entry of persons and disease

7.6.3: Policing Australia

7.6.4: Dispensing justice

7.6.5: Incarcerating people

7.6.6: Providing services and welfare

7.6.7: Enforcing discriminatory legislation

- 7.6.8: Administering Indigenous Affairs
- 7.6.9: Conserving Australian resources
- 7.6.10: Conserving fragile environments
- 7.6.11: Conserving economically valuable resources
- 7.6.12: Conserving Australia's heritage

7.7: Defending Australia

- 7.7.1: Providing for the common defence
- 7.7.2: Preparing to face invasion
- 7.7.3: Going to war

7.8: Establishing regional and local identity

8 DEVELOPING AUSTRALIA'S CULTURAL LIFE

Australians are more likely to express their sense of identity in terms of a way of life rather than allegiance to an abstract patriotic ideal. One of the achievements of this society has been the creation of a rich existence away from the workplace. While some of the activities encompassed in this theme are pursued for profit - horse racing and cinema, for instance - their reason for being is the sheer enjoyment of spectators. While many people could not pursue careers in art, literature, science, entertainment or the church without being paid, those activities do not fit easily into the categories of economy or workplace.

8.1: Organising recreation

- 8.1.1: Playing and watching organised sports
- 8.1.2: Betting
- 8.1.3: Developing public parks and gardens
- 8.1.4: Enjoying the natural environment

8.2: Going to the beach

8.3: Going on holiday

8.4: Eating and drinking

8.5: Forming associations

- 8.5.1: Preserving traditions and group memories
- 8.5.2: Helping other people
- 8.5.3: Associating for mutual aid
- 8.5.4: Pursuing common leisure interests

8.6: Worshipping

- 8.6.1: Worshipping together
- 8.6.2: Maintaining religious traditions and ceremonies
- 8.6.3: Founding Australian religious institutions
- 8.6.4: Making places for worship
- 8.6.5: Evangelising
- 8.6.6: Running city missions
- 8.6.7: Running missions to Australia's indigenous people

8.7: Honouring achievement

8.8: Remembering the fallen

8.9: Commemorating significant events

- 8.9.1: Remembering disasters
- 8.9.2: Remembering public spectacles

8.10: Pursuing excellence in the arts and sciences

- 8.10.1: Making music
- 8.10.2: Creating visual arts
- 8.10.3: Creating literature
- 8.10.4: Designing and building fine buildings
- 8.10.5: Advancing knowledge in science and technology
- 8.11: Making Australian folklore
 - 8.11.1: Celebrating folk heroes
 - 8.11.2: Myth making and story-telling
- 8.12: Living in and around Australian homes
- 8.13: Living in cities and suburbs
- 8.14: Living in the country and rural settlements
- 8.15: Being homeless

9 MARKING THE PHASES OF LIFE

Although much of the experience of growing up and growing old does not readily relate to particular heritage sites, there are places that can illustrate this important theme. Most of the phases of life set out below are universal experiences.

- 9.1: Bringing babies into the world
 - 9.1.1: Providing maternity clinics and hospitals
 - 9.1.2: Promoting mothers' and babies' health
- 9.2: Growing up
 - 9.2.1: Being children
 - 9.2.2: Joining youth organisations
 - 9.2.3: Being teenagers
 - 9.2.4: Courting
- 9.3: Forming families and partnerships
 - 9.3.1: Establishing partnerships
 - 9.3.2: Bringing up children
- 9.4: Being an adult
- 9.5: Living outside a family/partnership
- 9.6: Growing old
 - 9.6.1: Retiring
 - 9.6.2: Looking after the infirm and the aged
- 9.7: Dying
 - 9.7.1: Dealing with human remains
 - 9.7.2: Mourning the dead
 - 9.7.3 Remembering the dead

3a Linking the AHC themes with Victorian water supply historic themes

Australian Historic Theme	Water Supply Historic Theme
1. Tracing the evolution of the Australian Environment	1. Sourcing water in early settlement
2. Peopling Australia	1. Sourcing water in early settlement
3. Developing local, regional & national economies	2. Developing water supplies for settlements and stock 3. Harnessing and distributing water for irrigation 4. Harnessing water for industrial purposes
4. Building settlements, towns & cities	1. Sourcing water in early settlement 2. Developing water supplies for settlements and stock
5. Working	3. Harnessing and distributing water for irrigation 4. Harnessing water for industrial purposes
6. Educating	6. Protecting and monitoring the water supply environment
7. Governing	5. Administering Victoria's water supply
8. Developing Australia's cultural life	6. Protecting and monitoring the water supply environment 7. Celebrating the water supply
9. Marking the phases of life	N/A

APPENDIX 4 - CRITERIA FOR THE REGISTER OF THE NATIONAL ESTATE

CRITERION A: ITS IMPORTANCE IN THE COURSE, OR PATTERN, OF AUSTRALIA'S NATURAL OR CULTURAL HISTORY

- A.1 Importance in the evolution of Australian flora, fauna, landscapes or climate.
- A.2 Importance in maintaining existing processes or natural systems at the regional or national scale.
- A.3 Importance in exhibiting unusual richness or diversity of flora, fauna, landscapes or cultural features.
- A.4 Importance for association with events, developments or cultural phases which have had a significant role in the human occupation and evolution of the nation, State, region or community.

CRITERION B: ITS POSSESSION OF UNCOMMON, RARE OR ENDANGERED ASPECTS OF AUSTRALIA'S NATURAL OR CULTURAL HISTORY

- B.1 Importance for rare, endangered or uncommon flora, fauna, communities, ecosystems, natural landscapes or phenomena, or as a wilderness.
- B.2 Importance in demonstrating a distinctive way of life, custom, process, land-use, function or design no longer practised, in danger of being lost, or of exceptional interest

CRITERION C: ITS POTENTIAL TO YIELD INFORMATION THAT WILL CONTRIBUTE TO AN UNDERSTANDING OF AUSTRALIA'S NATURAL OR CULTURAL HISTORY

- C.1 Importance for information contributing to a wider understanding of Australian natural history, by virtue of its use as a research site, teaching site, type locality, reference or benchmark site.
- C.2 Importance for information contributing to a wider understanding of the history of human occupation of Australia.

CRITERION D: ITS IMPORTANCE IN DEMONSTRATING THE PRINCIPAL CHARACTERISTICS OF: (I) A CLASS OF AUSTRALIA'S NATURAL OR CULTURAL PLACES; OR (II) A CLASS OF AUSTRALIA'S NATURAL OR CULTURAL ENVIRONMENTS

- D.1 Importance in demonstrating the principal characteristics of the range of landscapes, environments or ecosystems, the attributes of which identify them as being characteristic of their class.
- D.2 Importance in demonstrating the principal characteristics of the range of human activities in the Australian environment (including way of life, philosophy, custom, process, land use, function, design or technique).

CRITERION E: ITS IMPORTANCE IN EXHIBITING PARTICULAR AESTHETIC CHARACTERISTICS VALUED BY A COMMUNITY OR CULTURAL GROUP

- E.1 Importance for a community for aesthetic characteristics held in high esteem or otherwise valued by the community.

CRITERION F: ITS IMPORTANCE IN DEMONSTRATING A HIGH DEGREE OF CREATIVE OR TECHNICAL ACHIEVEMENT AT A PARTICULAR PERIOD

- F.1 Importance for its technical, creative, design or artistic excellence, innovation or achievement.

CRITERION G: ITS STRONG OR SPECIAL ASSOCIATIONS WITH A PARTICULAR COMMUNITY OR CULTURAL GROUP FOR SOCIAL, CULTURAL OR SPIRITUAL REASONS

G.1 Importance as a place highly valued by a community for reasons of religious, spiritual, symbolic, cultural, educational, or social associations.

CRITERION H: ITS SPECIAL ASSOCIATION WITH THE LIFE OR WORKS OF A PERSON, OR GROUP OF PERSONS, OF IMPORTANCE IN AUSTRALIA'S NATURAL OR CULTURAL HISTORY

H.1 Importance for close associations with individuals whose activities have been significant within the history of the nation, State or region.

APPENDIX 5 – VICTORIAN WATER SUPPLY THEMES AND SUB-THEMES

Theme	Sub-theme
1.Sourcing water in early settlement	1.1 Appropriating Aboriginal water supplies
	1.2 Sourcing water for early settlement
	1.3 Water use and early agricultural development
	1.4 Water and transport
2.Developing water supplies for settlements and stock	2.1 Establishing and developing Melbourne's water supply
	2.2 Establishing water supplies on the goldfields
	2.3 Developing water supplies in rural areas
	2.4 Developing water supply technology
3.Harnessing and distributing water for irrigation	3.1 Early irrigation schemes, 1840s-1870s
	3.2 Irrigating Victoria (1880s onwards)
	3.3 The <i>Water Act</i> 1905
	3.4 <i>River Murray Waters Agreement</i>
	3.5 Developing irrigation technology
4. Harnessing water for industrial purposes	4.1 Using water in early industry
	4.2 Using water power for gold-mining
	4.3 Hydro-electricity schemes
	4.4 Industrial water use in the postwar period
5. Administering Victoria's water supply	5.1 Creating a water bureaucracy for Victoria
	5.2 Melbourne metropolitan water authorities (1891-)
	5.3 Managing water supplies in rural areas
	5.4 State Rivers and Water Supply Commission
6. Protecting and monitoring the water supply environment	6.1 Protecting and conserving the water supply
	6.2 Maintaining rainfall, temperature water level and streamflow records
	6.3 Protecting forests in water supply catchments
	6.4 Fire protection
	6.5 Improving water quality
	6.6 Confronting inadequacies and failures in water supply systems
7. Celebrating the water supply	7.1 Promoting tourism and recreation
	7.2 Monuments to the water supply
	7.3 Public fountains and horse troughs
	7.4 Designing landscapes for water supply purposes
	7.5 Water features in designed landscapes
	7.6 Recognising heritage values

APPENDIX 6 – EAST GIPPSLAND REGIONAL WATER AUTHORITY DIAGRAM

Victorian Water Supply Heritage Study

Volume 2: Key Findings

Final Stage 1 Report

31 October 2007

CONTEXT

**Prepared for
Heritage Victoria**

Authorship

Report prepared by Context Pty Ltd for Heritage Victoria.

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This report register documents the development and issue of the report entitled Victorian Water Supply Heritage Study, Volume 2: Key Findings undertaken by Context Pty Ltd in accordance with our internal quality management system.

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PREFACE

This *Key Findings* report comprises Volume 2 of the *Victorian Water Supply Heritage Study* (the Study). The purpose of the Study is to identify water supply places and systems of potential cultural significance within Victoria (the study area) and to identify future actions for further assessment.

As described in the following chapters, this report provides an explanation of the key findings including a list of places and precincts of potential significance identified by the Study as well as further work that could be undertaken in future. It should be read in conjunction with Volume 1: *Thematic Environmental History*, which provides an explanation of the themes and processes or activities that have been important in historic development of water supplies and the use of water in Victoria. The thematic environmental history provides a context for identifying heritage places that demonstrate these themes and activities, which are an important part of the rich cultural history of Victoria.

The terms used throughout this report are consistent with the Australia ICOMOS *Charter for Places of Cultural Heritage Significance* (the Burra Charter). A glossary of these terms and their meanings, as well as technical terms associated with water supply activities, is provided at the end of this report.

EXECUTIVE SUMMARY

Overview

Heritage Victoria commissioned the *Victorian Water Supply Heritage Study* to identify those sites that reflect important aspects of Victoria's water supply heritage and the integral role of these in the State's development economic and social development. This study will act as a tool for Heritage Victoria to make informed decisions in consultation with the community and other key stakeholders about how the places and objects associated with the historic development of Victoria's water supply may be identified, assessed and managed for future generations. This aspect is particularly important as much of the State's water supply infrastructure face complex pressures, including climate change, and the ability to meet future water supply needs. Furthermore, many sites identified in this study are important functioning components of water supply networks, while other components are decommissioned, or in urgent need of conservation works.

Key findings

The key findings of the study are:

- The identification of seven key themes that form the basis of the thematic framework covering the historic development of water supply in Victoria. A summary of the themes is provided in Chapter 3.
- The identification of over 800 places associated with the historic development of water supply in Victoria. Of these over 300 are already included on the Victorian Heritage Register or the Victorian Heritage Inventory. A further 136 are within a Heritage Overlay and as more local government heritage studies are completed the number of sites given HO protection is expected to increase.

The following observations are made about the places that have been identified:

- The places identified by this study provide a comprehensive representation across all seven major themes, however, places associated with agriculture and industry remain somewhat underrepresented.
- Water supply places related to railways and gold mining are well represented on the VHR. Water supply places related to township and stock and irrigation systems are very under-represented.
- There are places on the Victorian Heritage Register which have water supply related infrastructure for which the values may not have been fully understood or assessed in the past. The majority of these are domestic water supply systems associated with early homesteads.
- The representation of water supply places in the Heritage Overlay is inconsistent and possibly reflects the time the studies were undertaken (For example, older studies without a thematic approach often overlooked water supply), the skills and resources undertaking the studies, and possibly a reluctance of some water authorities to allow operational components to be included.
- There are many water supply places on the Victorian Heritage Inventory that are likely to be at least of local, or even State significance. In some cases, quite detailed assessment has already been carried out and so only a limited review may be required in order to enable the places to be included in a HO or nominated to the VHR.

Future actions

On the basis of the key findings, Chapter 3 identifies further work that could be undertaken in future. A key finding is that priority be given to the following places in future studies:

- Wimmera-Mallee Stock and Domestic Supply system.
- Irrigation systems.
- Agricultural water supply systems...
- Township supply systems.
- Storage reservoirs.

Other future actions include:

- Undertaking a desktop review of all VHR places to determine priorities for further assessment of places with water supply elements to determine if the significance needs to be re-assessed in light of the findings of this study.
- Undertaking a review of VHI places to determine priorities for future research.
- Maintaining the Hermes database created for this study, including ensuring that appropriate links are made to places on the VHR and VHI and those identified by other studies.
- Ensuring that the findings of this study are made available to, and considered by, consultants undertaking municipal studies.
- Ensuring that the findings of this study are made available to, and considered by, the relevant statutory authorities responsible for the care and management of Victoria's water supply infrastructure.

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Steering Committee

Members of the Steering Committee for the project:

- Julia Cusack, Frances O'Neill and Amanda Bacon, (Heritage Victoria)
- Paul Balassonne (Melbourne Water)
- Siraj Perera and Roslynn McRoberts (Office of Water)
- Steve Bird (VicWater)

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Water authorities

- Melbourne Water
- Barwon Water
- Central Highlands Water (Peter Blackburn and Rosalie Polowski)
- Coliban Water (Rob Krober)
- East Gippsland Water (Dean Boyd)
- Goulburn Valley Water (Melinda Malcolm)
- Grampians Wimmera Murray Water
- North East Water (Terry Wisener)
- South Gippsland Water (Ros Griggs, Public Relations)
- Wannon Water (Andrew Jeffers and Nora Walsh)
- Westernport Water

Local historical societies

- Birchip Historical Society (Dorothy Green)
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- Nepean Historical Society (Janet South)
- Newstead Historical Society (Dawn Angliss)
- Somerville Tyabb & District Historical Society (Brenda Thornell)
- Swan Hill Historical Society
- Warrnambool & District Historical Society (Elizabeth O'Callaghan)
- Whitehorse Historical Society (Valda Arrowsmith)
- Winchelsea & District Historical Society (Geoff Mathison)
- Woodend & District Historical Society (Janet Hawkins)
- Yarra Glen & District Historical Society (Mr Leigh D. Ahern)

1 INTRODUCTION

1.1 Background

The study is an outcome of Heritage Victoria's undertaking to prepare a comprehensive State-wide survey of water supply systems and sites as the first stage of a detailed investigation of the heritage of Victoria's water supply infrastructure.

The objectives of the study are therefore to undertake an extensive historical and typological study of water heritage across the State. The purpose is to:

- Assist land managers and water authorities to understand and appreciate the value of water-related heritage throughout the State; and
- Provide a knowledge base and reference point to assist future studies of water infrastructure in regional and metropolitan area.

1.2 Purpose

The *Victorian Water Supply Heritage Study* (the Study) has been prepared in accordance with a standard brief prepared by Heritage Victoria. On this basis, the Brief for Stage 1 sets out the following specific outputs:

- A concise and detailed thematic environmental history of water catchments, storage, supply and distribution in Victoria.
- A comprehensive list of places of potential and identified cultural significance relating to water supply systems and sites in Victoria.
- A complete database of these items, accessible via the HERMES database, with each entry identified by site number, name, GPS location, historic theme, and GIS map.

While there have been some studies of particular systems (e.g. the Wimmera Mallee system) there has been no State-wide comprehensive heritage survey and/or studies into water and its associated supply systems in Victoria to date. Given the size, extent and nature of water supply infrastructure in Victoria, consideration of any element or site must be approached from the broader perspective of water supply and delivery systems developed throughout Victoria. It must equally take note of the forces, events, stories and technical advances that have influenced the development of Victoria's water infrastructure.

While various municipal studies have identified elements relating to water supply in their respective districts, the overall benefit of such localised studies is difficult to realise without a comprehensive study to provide a comprehensive understanding of their historical context.

In light of the drive to secure a stable water supply for the State in the face of continuing environmental and economic pressures, and the range of major projects (under consideration, or currently underway) relating to water distribution, catchments, and storage, there is a need for a thorough survey of the heritage of Victoria's water infrastructure to assist in identifying, preserving and managing related heritage assets.

1.3 Study outcomes

It is expected that a key outcome will be a comprehensive historical and typological study of water heritage across the State and, is the first step to producing a tool that will:

- Assist land managers and water authorities to understand and appreciate the value of water-related heritage throughout the State; and
- Provide a knowledge base and reference point to assist future studies of water infrastructure in regional and metropolitan areas.

The project's second stage will comprise detailed studies into the heritage of water supply across regional Victoria, the first of which will be an in-depth survey of the heritage assets of Melbourne Water. It is understood that this study, independently commissioned by Melbourne Water, will serve as a model report for future regional water supply studies.

2 APPROACH & METHODOLOGY

2.1 Introduction

In accordance with Heritage Victoria guidelines, the Study was prepared with reference to the Australia ICOMOS *Charter for the Conservation of Places of Cultural Heritage Significance* (the Burra Charter) and its guidelines. In addition, reference was made to the *Guidelines for Thematic Environmental Histories* in preparing the Thematic Environmental History.

Places of potential cultural heritage significance were identified using criteria adopted by the Australian Heritage Council (see Appendix 4), and the criteria adopted by the Victorian Heritage Council (see Appendix 5). Heritage Victoria notes that the thresholds applied in the application of significance might include State significance and local significance.

The study methodology was based upon the series of tasks set out in the brief. It included the following key stages:

- Preparation of a Project Management Plan
- Development of a thematic framework and preparation of the Victorian Water Supply Heritage Study - Thematic Environmental History
- A desk-top review of existing heritage studies, related reports and heritage registers to identify places of potential heritage significance.
- The creation of a database using the Hermes system, and
- GIS. Mapping of places on the basis of available locational data.

The Study was prepared by Context Pty Ltd with the assistance of the following people:

- Dr. Helen Doyle, Project Historian
- Spatial Vision, GIS mapping component

It was guided by a Steering Committee comprising the following people:

- Julia Cusack (Study project manager), Frances O'Neill and Amanda Bacon, (Heritage Victoria)
- Paul Balassonne (Melbourne Water)
- Siraj Perera and Roslynn McRoberts (Office of Water) and, Steve Bird (VicWater).

2.2 Thematic Environmental History

The initial identification of places of potential significance was the result of research undertaken for the Thematic Environmental History (TEH), especially through identification of places associated with key themes that addressed gaps in previous studies.

The draft TEH provides a framework within which to understand what is significant in the range of sites relating to Victoria's water supply heritage. The TEH, in its final

format, will also serve as a highly important planning tool in guiding decisions about the selection, assessment and conservation management of places.

The themes used in the environmental history were adapted from the *Australian Historic Themes* (AHT) set down as guidelines by the Australian Heritage Council (AHC). The AHC notes that:

The consistent organising principle for the Thematic Framework is activity. By emphasising the human activities that produced the places we value, and the human response to Australia's natural environment, places are related to the processes and stories associated with them, rather than to the type or function of place.

The themes for the study follow the model set down by the AHC in that they are 'active' concepts that mark specific and distinct activities, and are loosely but not exclusively chronological. Like the AHT, the themes for Victoria's water supply history, taken together, attempt to provide as far as possible a comprehensive overview of a much bigger and more complicated story. A table showing the relationship between the AHT and the Victorian water supply themes is provided in Appendix 3a of Volume 1.

Developing the thematic framework involved the following key steps:

- A draft set of historic themes was identified after the initial research phase of the project, which was broad-based in its scope in terms of time-frame and locality. The themes drawn out from this research took into account the parallel concerns of social and economic change, and technological and industrial developments, but needed to remain relevant to a broad time scale rather than present a strictly linear, chronological story.
- As more detailed research of Victoria's water supply history was carried out in the course of the project, it was evident that this history could be reasonably accommodated into seven major themes, with some minor amendments.

Outputs

The output of this component of the study is the *Victorian Water Supply Heritage Study Volume 1: Thematic Environmental History*. This comprises:

- A thematic framework and history of the natural and cultural themes associated with water supply and their interrelationships.
- A representative list of places for each theme.
- A comprehensive bibliography of key primary and secondary sources, consulted in the preparation of the thematic history that can serve as a starting point for future heritage studies of water-related sites.

2.3 Identification of places of potential cultural heritage significance

As required by the Brief, the study considers all sites relating to the collection, storage and distribution of water for human, industrial irrigation, and stock consumption. Not included is infrastructure related to sewerage, hydro-electricity, recreation/fishing, and transport, as they are not directly related to water supply and/or may form the subject of separate studies in the future by Heritage Victoria.

Identified sites may or may not be located on land managed by water authorities, however, all such items relevant to the supply of water for domestic or industrial use have been considered by the study.

2.3.1 Hermes database

The draft list of places of potential cultural heritage significance in Appendices 1 and 2 was prepared via a 'desktop' review of the secondary sources suggested in the Brief, and of other relevant secondary and primary sources such as local histories, maps, plans, and heritage registers compiled by various authorities. The registers consulted¹ were:

- The Victorian Heritage Register (VHR) and Victorian Heritage Inventory (VHI),
- Historic Branches Register,
- The Register of the National Estate (including listed, interim and indicative places),
- The National Trust of Australia (Victoria) Register – classified places,
- Municipal Planning Scheme Heritage Overlay schedules,
- Heritage studies (including those at Stage One),
- ANCOLD² Register of Large Dams, and
- Other water related studies, reports and websites (for example, the website about the projects undertaken by John Monash and the Reinforced Concrete and Monier Pipe Construction Co.)

Nominations were also sought from heritage consultants via a notice posted on 'heritage chat', the internet forum used by many Victorian heritage professionals or those with an interest in heritage.

New Hermes records were created for places unless they were already included on the VHR or VHI or had an existing record³. The information entered for each place included the name of the place (and other names, where relevant), address, Item Group (Utilities Water), Item Type (e.g. Water Tower).

As well as records for individual places, Precinct records (also known as 'Parent' records) were also created for large systems that comprised more than one place – for example, the Goulburn Murray Irrigation System. The individual component records (or 'Child' records) for associated features were then linked to the Precinct records to assist with searching.

¹ For electronic registers and databases searches were made using keywords including 'water', 'irrigation', 'tank', 'dam', 'reservoir' and 'weir'

² Australian National Committee on Large Dams

³ Context did not have authorization to modify existing Hermes records for VHR and VHI places.

The brief did not require an assessment of significance to be undertaken for each place. However, a summary statement of significance and a referral to the source of information has been recorded as part of the Hermes record created for each place. Three generic statements have been used as shown in Table 2.1.

Significance	Includes	Statement
Local	Places on the HO (excluding VHR places)	<i>This place is of local significance. It is included in the Heritage Overlay of a municipal planning scheme. Please refer to the relevant Heritage Study for more information about the significance of the place.</i>
Potential	All other places identified by the study (excluding VHR and VHI places) with sufficient information to enable a preliminary assessment	<p><i>This precinct/place is of potential significance:</i></p> <ul style="list-style-type: none"> ▪ <i>as it contains components already included in the HO or VHR, or</i> ▪ <i>as a place that has been identified and/or assessed by a heritage study, report, register or database, or</i> ▪ <i>as a key place associated with an important theme in Victoria's water supply heritage.</i> <p><i>(For further information please refer to the [insert source of information – e.g. study or register] and to the individual place records of its components)</i></p>
Unknown	Places with insufficient information	<i>The significance of this place is unknown as there is insufficient information. Further assessment is required in Stage 2.</i>

Table 2.1 – Hermes significance categories

2.3.2 Mapping

Spatial Vision was engaged by Context to develop GPS coordinates and GIS data for places identified by this study. This is provided in a compatible GIS output to Victorian State Government standards. An additional set of hard copy maps based on the boundaries of the rural water authority regions have been generated to show the representativeness of sites across the State. (see Appendix 5)

Places could only be mapped if there is sufficient data – preferably this would include specific coordinates or a street address. In some instances, the location of places is indicative only as only a street name or locality of a place is known. Places of 'Unknown' significance have not been mapped for this reason.

2.3.3 Outputs

The output of this component of the study is the *Victorian Water Supply Heritage Study Volume 2: Key Findings*. This comprises:

- A summary of key findings and further work that could be undertaken in future.
- A comprehensive database of water supply places throughout Victoria using the Hermes system.
- A summary report of water supply sites and precincts (excluding those already on the VHR and HI) generated from the Hermes database.

3 KEY FINDINGS & FUTURE ACTIONS

3.1 Key findings

The key findings of the study are:

- The identification of seven key themes that form the basis of the thematic framework covering the historic development of water supply in Victoria. A summary of the themes is provided below.
- The identification of over 800 places associated with the historic development of water supply in Victoria. These places are listed in appendices 1 and 2 and comments are provided below.

Thematic environmental history

The thematic environmental history is based on seven key themes, which are listed in Table 3.1. As noted in the methodology, the themes for the study follow the model set down by the AHC in that they are ‘active’ concepts that mark specific and distinct activities, and are loosely but not exclusively chronological. The themes for Victoria’s water supply history, taken together, attempt to provide as far as possible a comprehensive overview of a much bigger and more complicated story.

As with the preparation of any thematic history, this list of themes (and their sub-themes) should not be regarded as finite or complete. The process will be an iterative one and as future stages of the study and more detailed assessments are carried out it is expected that the thematic history may be reviewed. This may lead to the identification of new themes or sub-themes.

Theme	Comments
<i>Sourcing water in early settlement</i>	This theme examines both the ways in which the search for water shaped patterns of early settlement in Victoria, and the kinds of water sources used.
<i>Developing water supplies for settlements and stock</i>	This theme traces the early beginnings of rudimentary water supplies in Melbourne and other early settlements, and examines the important role played by the gold rush in the development of water supplies in rural towns.
<i>Harvesting and distributing water for irrigation</i>	This theme looks at the development of adequate systems of irrigation in Victoria, from the early efforts of innovative individuals through to the large-scale irrigation areas developed by the State Rivers and Water Supply Commission.
<i>Harnessing water for industrial purposes</i>	This theme traces the critical role of water-power and steam power in many industries in Victoria from the beginning of settlement.
<i>Administering Victoria’s water supply</i>	This theme considers the administration of the state’s vast water supply systems, and examines how the changing organisational structure over time reflects changing needs, priorities and environmental challenges.
<i>Protecting and monitoring the water</i>	This theme examines in particular how the

Theme	Comments
<i>supply environment</i>	maintenance of water supplies has depended upon changing understandings of the environment, hydrology and the climate.
<i>Celebrating the water supply</i>	This theme recognises how our fundamental reliance on water for human survival has been transposed to a cultural appreciation through the celebration of large expanses of water in reservoirs, as well as fountains, waterfalls and ornamental lakes.

Table 3.1 – Water supply themes

Water supply places and precincts

Over 800 places associated with water supply have been identified by the study. These include:

- At least 75 places on the Victorian Heritage Register. These are listed in Appendix 1.
- 136 places in a Heritage Overlay. These are listed in Appendix 1.
- Over 300 places on the Victorian Heritage Inventory. Of these approximately 100 representative examples are listed in Appendix 1.
- 306 places of potential significance that require further assessment and comparative analysis. These are listed in Appendix 2.
- 107 places that have insufficient evidence for assessment at this stage. These are listed in Appendix 2.

As noted in Chapter 2, the sites have been mapped using a GIS system and Appendix 5 provides maps based on the rural water authority regions that provide an indicative location of water supply places within each region.

Appendix 6 provides the summary records for each place, which have generated from the Hermes database. These include a brief statement as to whether the place is of State significance (included on the VHR), local significance (included on a HO), potential significance (Based on available evidence) or Unknown (insufficient evidence).

Table 3.2 provides a broad summary of the types of places identified according to the level of significance, and whether in general terms they are well represented or under represented⁴.

Significance	Well represented	Under represented
State (included on VHR)	Railway systems Domestic systems (tanks, wells etc.) Gold mining sites Some types of industry (e.g. mills)	Township systems Irrigation systems (particularly water storages and distribution systems) Storage reservoirs in general Industrial sites Agricultural systems

⁴ This is based on general observation rather than a detailed analysis.

Significance	Well represented	Under represented
Local	Railway systems Township water supply systems <i>in some areas</i> (excluding storage reservoirs) Irrigation systems in <i>some areas</i> (e.g. Mildura Rural City)	Domestic systems Irrigation systems Industrial sites Gold mining sites Agricultural systems
VHI	Gold mining sites Sawmill sites Township systems Irrigation systems Domestic water supply systems Agricultural sites Industrial sites	-
Potential	Gold mining sites Sawmill sites Township systems Irrigation systems	Domestic systems Industrial sites Agricultural systems
Unknown	Insufficient information	Insufficient information

VHR places

As noted in Table 3.2, the VHR contains a variety of places that have a relationship to the development of Victoria's water supply. The strength of this relationship varies; sometimes as in the case of the Coliban Water Supply System it is central to the significance of the place, whereas in others (for example, an underground water tank at *Glenisla*) it is of incidental or lesser importance.

While it has been impossible within the scope of this study to review all places on the VHR in the light of the research that has been undertaken, some general observations can be made:

- The majority of water supply places on the VHR are associated with railways (predominantly water towers and some examples of reservoirs and other infrastructure) and gold mining sites (hydraulic sluicing and puddling sites being well represented).
- It is noted that only a small number of VHR places are *exclusively* associated with water supply – examples that include the Coliban Water Supply System (which is the only complete water supply system currently included) and specific features such as pumping stations associated with irrigation schemes.
- While there are some good examples of agricultural water supply systems (e.g. the irrigation system remnants at Longerenong), there are many gaps. The recently completed Melton Heritage Study has identified no fewer than four stone lined dams associated with one of the pastoral properties established by W.J.T. Clarke, which may be of State significance, but note that no similar structures are currently listed on the VHR or the National Trust Register.

- Places associated with the very important theme of irrigation as a whole are very underrepresented with the exception of a relatively small number of specific sites such as pumping stations associated with the Mildura Irrigation Scheme. It appears extraordinary that the extensive Wimmera-Mallee Stock and Domestic Supply System, which is of possible National significance is not represented by a single place on the VHR (although some features have been included in the HO).
- Many VHR places (e.g. rural homesteads) contain early domestic water supply systems such as tanks (above and below ground) wells, and associated pipes and distribution networks. Sometimes these are specifically cited as a reason for significance. Other times they noted as being of local significance only or are not mentioned at all in the statement of significance. It appears that more comparative analysis may be required to determine the actual significance of these types of places.

HO places

The following general observations are made for HO sites:

- Like the VHR, railway water towers are well represented, however, gold mining sites are not – it appears that the latter sites either go the VHR if of State significance or remain on the VHI if not – that is, it appears that there may be sites of local significance currently on the VHI, which with further assessment could find their way onto the HO.
- While there are a number of township water supply places, this is not consistent across all municipalities – that is, some places (e.g. Geelong and Greater Shepparton) have a number of places listed, while others have none at all. This possibly reflects the time the studies were undertaken (For example, older studies without a thematic approach often overlooked water supply), the skills and resources of consultants undertaking the studies, and possibly a reluctance of some water authorities to allow operational components to be assessed or included in the HO.
- There are some places on the HO, which may be of State significance when further assessment is done. One example is Laanecoorie Weir, which was one of the early storages constructed as part of the Goulburn-Murray Irrigation System.

VHI places

The VHI has places that represent all the major themes and, it appears that many places are included here for want of comparative information or a thematic context that would establish their significance at a local or State level. It appears that there are many sites, as noted above, that appear to be at least of local significance and may only require a small amount of comparative analysis and documentation to confirm this preliminary assessment.

Potential

The places identified by this project begin to fill most of the gaps in existing registers, however, there are still some place types that remain somewhat underrepresented. They include, in particular, places associated with agriculture and industry.

Not surprisingly for a desktop study, the places identified tended to be larger or more well-known places, although some lesser known or smaller places were identified with the assistance of local historical societies.

Conclusions

On this basis, the following conclusions are made:

- The places identified by this study provide a comprehensive representation across all seven major themes, however, places associated with agricultural and industry remain somewhat underrepresented.
- There are places on the VHR, which have water supply related infrastructure for which the values may not have been fully understood or assessed in the past. The majority of these are domestic water supply systems associated with early homesteads.
- The representation of water supply places in the HO is inconsistent and reflects the time the studies were undertaken (older studies without a thematic approach), the skills and resources undertaking the studies, and possibly a reluctance of some water authorities to allow operational components to be included.
- There are many places on the VHI that are likely of at least local or even State significance. In some cases, quite detailed assessment has already been carried out and so only a limited review may be required in order to enable the places to be included in a HO or nominated to the VHR.

3.2 Future actions

Establishing priorities

On the basis of the key findings, it is recommended that priority be given to the following places in future studies:

- *Wimmera-Mallee Stock and Domestic Supply system.* The need to undertake this assessment is made more urgent by the current major project to replace the channel network with pipelines (It is not known whether or if a heritage impact assessment was carried out prior to commencing this project). There is an existing report by Allom Lovell & Associates, which includes datasheets for many key sites as well as other LCC reports not to mention municipal studies that provide an excellent amount of baseline material.
- *Irrigation systems.* These places were of profound importance in the settlement and development of Victoria (and more widely Australia), but remain underrepresented as we have seen. Assessments should be carried out on a whole of system basis. Similar to the Wimmera Mallee system many of these systems are currently being (and will continue to be) modified and upgraded, which includes channel replacement and other works.
- *Agricultural water supply systems.* Because these are relatively self-contained and usually within one municipal area they could be undertaken as part of future Stage 2 municipal studies using the thematic framework and information gathered by this study. For areas where a heritage study has already been carried out or are well underway an associated task would be to undertake a desktop review to identify gaps (using the places identified by this study as a starting point) and set priorities for assessment of places that have been missed.
- *Township supply systems.* The approach to this would be the same as for agricultural systems.

- *Storage reservoirs.* While some components of township water supply systems have been assessed and included in heritage registers, storage reservoirs as a type are, in an overall sense, very underrepresented. ANCOLD have produced an excellent register of large dams, which provides an invaluable comparative starting point for identifying the dams that should be subject of further investigation.

Review of VHR and VHI listed places

As noted above, a variety of places currently on the VHR have a relationship to the development of Victoria's water supply. The strength of this relationship varies, sometimes as in the case of Coliban Water Supply System it is central to the significance of the place, whereas in others (for example, an underground water tank at *Glenisla*) it is of incidental or lesser importance.

While it has been impossible to undertake a review of all places on the VHR in the light of the research that has been undertaken, as an initial step a desktop review should be undertaken of all VHR places that have some form of water supply related infrastructure, but where such infrastructure is *not* the primary reason for its inclusion on the VHR or this is unclear from the statement of significance. The purpose would be to determine whether or not the heritage values of the place need to be reassessed in light of the findings of this study.

For VHI places, an initial review should identify the places that are related to water supply and then check the records against places either on the VHR, HO or the list of potential places, and then to:

- Identify records that are duplicates of places on existing registers or that are already included in the extent of registration of places on the VHR or HO – determine whether the existing statement of significance is appropriate or whether further assessment is required.
- Identify places that are associated with any of the priority studies identified above and include them in those studies for future assessment.
- Identify places that that could be assessed as part of Stage 2 municipal heritage studies.

Finally, of the places that remain, identify and give priority those that are well-documented and require minimal work to confirm significance at either local or State level.

Hermes database

The following future actions are identified:

- All water supply related places on the VHR or VHI with a Hermes record should be linked to the database created for this study.
- A specific instruction should be developed to be given to consultants who are currently undertaking heritage studies to ensure that any water supply related places are able to be linked to the database created for this study.
- The transfer of any existing heritage studies into Hermes should include the linking of any water supply related places to the database created for this study.

APPENDIX 1 – SIGNIFICANT WATER SUPPLY PLACES

These include places that have been assessed as being of local or State significance and have been included on the Victorian Heritage Register (VHR) or the Heritage Overlay (HO) of a municipal planning scheme.

A1.1 Water supply places on the VHR

This table provides a list of the water supply places that are of State significance and have an existing record in the Hermes database. This has been compiled using search terms including ‘water’, ‘irrigation’, ‘tank’, ‘dam’, ‘reservoir’ and ‘weir’. It includes a representative sample of some, but not all, of the many gold mining related sites listed on the VHR.

Name	Street No.	Street Name or Location	LGA	VHR Number
1. Former Ararat Locomotive Depot and turntable		High Street, Ararat	Ararat Rural City	H1093
2. Ballarat Railway Complex			Ballarat City	H0902
3. Buninyong Botanic Gardens		Learmonth Street	Ballarat City	H1826
4. Ballarat Railway complex		Lydiard Street	Ballarat City	H0902
5. Benalla Water Supply Depot		Riverview Road	Benalla Rural City	H1048
6. Dights Mill site		Trenerry Crescent	Boroondara City, Yarra City	H1522
7. Georgie’s Hut (Chinese Market Garden)		Jeffcott Road, Donald	Buloke Shire	H0873
8. Torrumbarry Weir Lock Chamber, Steam Boiler and Steam Winch Complex		Headworks Road	Campaspe Shire	H0993
9. Former pumping station	2	Murray Esplanade	Campaspe Shire	H1053
10. Echuca Railway Station complex	116	Sturt Street, Echuca	Campaspe Shire	H1059
11. Colbinabbin Community well		Toedtberg Road and Two Chain Road	Campaspe Shire	H1937
12. Whroo Gold Puddling Machine		Whroo	Campaspe Shire	H1244
13. Kurth Kiln		Soldiers Road, Gembrook	Cardinia Shire	H2012

Name	Street No.	Street Name or Location	LGA	VHR Number
14. Pirron Yallock Railway Station complex		Penshurst-Warrnambool Road	Colac-Otway Shire	H1584
15. Camperdown Steam Laundry	6	Paton Street, Camperdown	Corangamite Shire	H1386
16. Purumbete Homestead	3551	Princes Highway, Weerite	Corangamite Shire	H0301
17. Bairnsdale Pumping Station		Jennings Street near Mitchell River Bairnsdale and (Tower) Main Street	East Gippsland Shire	H2040
18. Oriental Claims Hydraulic Sluicing Site		Oriental Claims Historic Area and Great Alpine Road	East Gippsland Shire	H1225
19. Peter Ah Sen Sawmill		Splitters Ridge Omeo	East Gippsland Shire	H2021
20. Mt Hepburn Company Gold Treatment Works		Swifts Creek- Omeo Road	East Gippsland Shire	H1940
21. Former Elmore Water Tower	47	Cardwell Street	Greater Bendigo City	H1678
22. Buckeye Creek Railway Bridge complex		Buckeye Lane, Ravenswood	Greater Bendigo City	H2056
23. Coliban Water Supply System	175	Crusoe Road (and Reservoir Road)	Greater Bendigo City, Macedon Ranges Shire, Mount Alexander Shire	H1021
24. Elmore Railway Station and Water Tower	61	Railway Place	Greater Bendigo City	H1672
25. The Heights	140	Aphrasia Street	Greater Geelong City	H0429
26. Former Mineral Springs, Clifton Springs		Clifton Springs	Greater Geelong City	H2088
27. Barwon Paper Mill complex	42-52	Lower Paper Mills Road, Fyansford	Greater Geelong City	H0743
28. Pirra Homestead	110	Windermere Road, Lara	Greater Geelong City	H1723
29. Former Newport Railway Workshops		Champion Road	Hobsons Bay City	H1000
30. Andersons Mill		Smeaton	Hepburn Shire	H1521
31. Humbug Hill Hydraulic Gold Sluicing Site		Slaty Creek Road, Creswick	Hepburn Shire	H1228
32. Wilkinson Memorial Drinking Fountain		Nelson Place, Williamstown	Hobsons Bay City	H1733

Name	Street No.	Street Name or Location	LGA	VHR Number
33. Rupertswood		Macedon Street, Sunbury	Hume City	H0275
34. Woodlands Homestead, Stables and outbuildings		Somerton Road, Greenvale	Hume City	H1612
35. Water Tower		Sunbury Railway Station	Hume City	H1613
36. Wallaces Lead Gold Puddling Precincts		Chiltern	Indigo Shire	H1746
37. Gisborne Mains Homestead site		Calder Freeway	Macedon Ranges Shire	H1889
38. Kyneton Railway Station complex		Station Street, Kyneton	Macedon Ranges Shire	H1602
39. Leichardt Gold Crushing Battery		Pemburthy	Mansfield Shire	H1914
40. Women's Christian Temperance Union Drinking Fountain		Elizabeth Street	Melbourne City	H0194
41. North Melbourne Railway Station complex	189	Railway Place	Melbourne City	H1582
42. Overhead Water Tank		Spencer Street	Melbourne City	H2117
43. Eynesbury		Eynesbury Road	Melton Shire	H0362
44. Rio Vista		Currton Avenue, Mildura	Mildura Rural City	H0729
45. Billabong Pumping Station		Nichols Point	Mildura Rural City	H0547
46. Lock Nine Pumping Station			Mildura Rural City	H0549
47. Mildara Blass Distillery		Wentworth Road, Merbein	Mildura Rural City	H1099
48. Murrayville Railway Station		McKenzie Street	Mildura Rural City	H1580
49. Psyche Bend Pumping Station		Psyche Bend	Mildura Rural City	H0549
50. Collins Settlement site	2700	Point Nepean Road, Sorrento	Mornington Peninsula Shire	H1050
51. Castlemaine Post Office	202	Barker Street	Mount Alexander Shire	H1347
52. Former Mount Alexander Silk Worm Farm		Dogs Rock Saddle Road	Mount Alexander Shire	H1348
53. Maldon Railway Station Complex	13	Hornsby Street, Maldon	Mount Alexander Shire	H1573

Name	Street No.	Street Name or Location	LGA	VHR Number
54. Red Hill Hydraulic Gold Sluicing Site		Castlemaine Historic Reserve, Irishtown	Mount Alexander Shire	H1230
55. Garfield Water Wheel Gold Quartz site		Quartz Hill Track and North Street	Mount Alexander Shire	H1356
56. Bessie Belle Sheep Washes and Yards		Pyes Road, Bessie Belle	Moyne Shire	H2033
57. St Arnaud Railway Station		Queens Avenue	Northern Grampians Shire	H1594
58. Belmont		Beaufort-Ampitheatre Road	Pyrenees Shire	H0644
59. Ercildoun	973	Ercildoun Road	Pyrenees Shire	H0313
60. Queenscliff Railway Station	20	Symonds Street	Queenscliff Borough	H1586
61. Murndal		Murndal Road, Hamilton	Southern Grampians Shire	H0289
62. Glenisla	6495	Henty Highway, Cavendish	Southern Grampians Shire	H0444
63. Pioneer and Union Hydraulic Gold Sluicing Site		Mitta Mitta	Towong Shire	H1229
64. Water Tower and Tank	12	Millard Street	Wangaratta Rural City	H1833
65. Wangaratta Railway Station complex	37	Norton Street	Wangaratta Rural City	H1597
66. Water Wheel and Mine Machinery		Weone Mine, Wells Boundary Track, Cunningham Gully and off Buckland Gap Road	Wangaratta Rural City	H0356
67. Fletcher Jones Factory and Gardens	61	Flaxman Street, Warrnambool	Warrnambool City	H2101
68. Yan Yean Caretaker's Cottage	135	Reservoir Road	Whittlesea City	H1417
69. Flume		Over Plenty River, on Yan Yean Pipe Track Mernda	Whittlesea City	H1418
70. Water Tank		Cocoroc Road and Melbourne Water Western Treatment Plant	Wyndham City	H1416
71. Point Cook Homestead and Stables		Homestead Road	Wyndham City	H1509
72. State Research Farm		Princes Highway	Wyndham City	H1961

Name	Street No.	Street Name or Location	LGA	VHR Number
73. Healesville Railway Complex	38	Healesville-Kinglake Road	Yarra Ranges Shire	H1567
74. Longerenong Homestead		Burnt Clay Road, Murtoa	Yarriambiack Shire	H0290
75. Former railway water tower		corner Comyn and Soldiers Avenue	Yarriambiack Shire	H1193

Table A.1 Water supply places on the VHR

A1.2 Yan Yean water supply system

The whole of the Yan Yean system has been recommended for inclusion on the VHR, and Hermes records have been created for individual features as well as precincts (listed in the table below) and the overall system.

Yan Yean Water Supply System	Silver Creek & Wallaby Creek systems	Melbourne Water	Whittlesea City
	Toorourrong Reservoir		
	Clearwater Channel		
	Yan Yean Reservoir		
	Pipe Reserve - Yan Yean to Morang		
	Pipe Reserve - Morang to Preston		Darebin City
	Preston Reservoir complex		
	Pipe Reserve - Preston to Merri Creek		

Table A.2 Yan Yean system precincts

A1.3 Water supply places in the HO

A total of 136 places are at least of local significance and are included in the Heritage Overlay of a municipal planning scheme (NOTE: Places included on the VHR are not included on this list). A new record in Hermes has been created for these places.

Name	Street Name or Location	LGA	HO Number	Hermes ID
1. Railway water tanks	Gordon Street	Ararat Rural City	HO67	27473
2. Former Water and Sewerage Authority Office	Grenville & Lewis Streets	Ballarat City	HO41	27474
3. Buninyong Botanic Gardens - Gong reservoir	Learmonth Street	Ballarat City	HO158	27475
4. Rokeby Water Pumping Station	Old Telegraph Road West	Baw Baw Shire	HO207	27476
5. Water Supply Reservoir & Concrete Tank	Reservoir Road	Baw Baw Shire	HO210	27477
6. Benalla Water Supply Depot	Riverview Road	Benalla Rural City	HO24	27478
7. Milburn's Weir	near Arundel Road, across Maribyrnong River	Brimbank City	HO35	27479
8. Water tower	Albion Street	Campaspe	HO101	27480
9. Waranga Western Channel Syphon	Strathallan Road	Campaspe	HO213	27481
10. Water Tower	Campaspe Street	Campaspe	HO217	27482
11. Amherst Reservoir	Talbot-Avoca Road	Central Goldfields Shire	HO152	27483
12. Stand Pipe	Timor Road	Central Goldfields Shire	HO103	27484
13. Stand Pipe	London & Talbot Streets	Central Goldfields Shire	HO95	27485
14. Cohuna Water Tower		Gannawarra Shire	HO19	27493
15. Old Water Tower	Wellington Street (Pt Public Purposes Reserve RS5954)	Gannawarra Shire	HO5	27494
16. Stand pipe and trough		Golden Plains Shire	HO65	27495
17. Crusoe reservoir wall, settling ponds and works	Crusoe Road	Greater Bendigo City	HO308	27496

Name	Street Name or Location	LGA	HO Number	Hermes ID
18. Stone Slab Tank at Livingstone House	Kilmore Road	Greater Bendigo City	HO472	27497
19. Water Reserve (Iron's Dam Mine)	Scotts Road	Greater Bendigo City	HO579	27498
20. Railway Water Tower	Railway Place	Greater Bendigo City	HO617	27500
21. Raywood Reservoir	Lincoln Street	Greater Bendigo City	HO645	27502
22. Water Supply Reserve (New Chum Goldfields)	Diamond Hill Road	Greater Bendigo City	HO664	27504
23. Raywood Channel Water Race Mine	Whipstick Road	Greater Bendigo City	HO667	27505
24. Residence & Underground Tank, Cottage Ruins, Tank & Horse Works, Dairy Building, Water Tank & Cemetery	Lower Duneed Road	Greater Geelong City	HO1716	27506
25. McLeods Water Holes Heritage Area	Wyndham & Duke Streets	Greater Geelong City	HO1613	27507
26. Barwon Water Bell Post Hill Service Basin, Trees & Valve House	Ballarat Road	Greater Geelong City	HO1720	27508
27. Barwon Water Montpellier Basins & Water Reserve Basins 1, 2 & 3	Scenic Road	Greater Geelong City	HO1719	27509
28. Barwon Water Lovely Banks Basin	Anakie Road	Greater Geelong City	HO1721	27510
29. Water Tower	Road Reserve, McLennan Street	Greater Shepparton City	HO472	27511
30. Waterworks building and tower	Welsford Street	Greater Shepparton City	HO135	27515
31. Former Rodney Irrigation Trust Office (Irrigation and War Camps Museum)	Hogan Street	Greater Shepparton City	HO107	27516
32. Cast Iron Water Tower and Tank	Kerford Street	Greater Shepparton City	HO116	27517
33. Water Tower and Waterworks Trust buildings	Murchison-Tatura Road	Greater Shepparton City	HO117	27518
34. Former Goulburn-Murray Water Depot	William Street	Greater Shepparton City	HO119	27519
35. Clunes Water Supply Works (Hepburn Lagoon)	Daylesford-Clunes Road	Hepburn Shire	HO826	27520

Name	Street Name or Location	LGA	HO Number	Hermes ID
36. 'Big Dam' (Creswick Creek, Clunes Streamside Reserve)	Thornton Street	Hepburn Shire	HO298	27521
37. Daylesford-Upper Loddon State Forest water channel	Sawpit Gully Road	Hepburn Shire	HO640	27522
38. Site of first pump station	Wimmera River	Hindmarsh Shire	HO40	27523
39. Weir	Wimmera River	Hindmarsh Shire	HO42	27525
40. Commonwealth Serum Laboratories Water Tower	Camp Road	Hume City	HO206	27526
41. Asylum Water Supply ruins	Jacksons Creek (Asylum) Reserve	Hume City	HO368	27527
42. Railway Water Tower at Sunbury Railway Station	Riddell Road	Hume City	HO41	27528
43. Rocky Mountain Ext GSC Water Diversion tunnel (Beechworth Historic Park BEEC216)	Gorge Road	Indigo Shire	HO308	27529
44. Brick Water Tower	Havelock Road	Indigo Shire	HO318	27530
45. Water Tower	Campbell Street and Carlyle Road (CA12B Sec 45)	Indigo Shire	HO109	27534
46. Water Tower	McDonnell Street	Indigo Shire	HO747	27535
47. Mordialloc Railway Water Tower	Albert & Bear Street	Kingston City	HO92	27536
48. Old Inglewood Reservoir	Nixon Street (also Greenhills Road)	Loddon Shire	HO89	27537
49. Railway Water Tower	Vernon Street	Loddon Shire	HO156	27539
50. Railway reservoir and channel system	Vernon Street	Loddon Shire	HO157	27540
51. Laanecoorie Weir	Eddington-Laanecoorie Road	Loddon Shire	HO167	27541
52. Bluestone Road Bridge Abutments and weirs (swimming pool remains)	St Agnes Place	Macedon Ranges Shire	HO43	27542
53. Meringur Tanks and Stands		Mildura Rural City	HO145	27543

Name	Street Name or Location	LGA	HO Number	Hermes ID
54. Millewa A pumping station (pumping station reserve)		Mildura Rural City	HO149	27575
55. Millewa C Pumping station (Pumping station reserve)		Mildura Rural City	HO150	27576
56. Millewa Main Pumping Station Site		Mildura Rural City	HO151	27577
57. Kings Billabong pumping station residences	Cooke Street (CA 33 & 98A Blk F)	Mildura Rural City	HO130	27578
58. Nichols Point Pumping Station	Cureton Avenue & Karadoc Avenue (Pt CA1 Sec 9 Blk F)	Mildura Rural City	HO155	27579
59. Nowingi Iron Clad Catchment	CA 2 Sec 3	Mildura Rural City	HO157	27580
60. Nowingi Tank	Parish of Nurnurnemal	Mildura Rural City	HO158	27581
61. Red Cliffs A Re-Lift Pumping station	Cocklin Avenue (CA 85b Sec. B)	Mildura Rural City	HO166	27582
62. Old Red Cliffs Urban Pump	Cooba Street	Mildura Rural City	HO160	27583
63. Cypress windrows - Melbourne Water Reservoir	High Street Road	Monash City	HO35	27584
64. Lal Lal Railway Station water tank	Eaglesons Road	Moorabool Shire	HO41	27585
65. Water Channel	Calder Highway	Mount Alexander	HO750, 780	27586
66. Junction of the Main and Harcourt Channels		Mount Alexander	HO751	27587
67. Expedition Pass Reservoir	Golden point Road	Mount Alexander	HO754	27588
68. Concrete Water Channel	Cooke Street	Mount Alexander	HO749	27589
69. Barkers Creek Reservoir		Mount Alexander	HO811	27590
70. Coliban Water Channel	Boundary Road	Mount Alexander	HO762	27591
71. Coliban Main Channel	Fryers Taradale Road	Mount Alexander	HO766	27592

Name	Street Name or Location	LGA	HO Number	Hermes ID
72. Junction of the Harcourt Expedition Pass and Golden point channels		Mount Alexander	HO753	27593
73. Aqueduct		Mount Alexander	HO756	27594
74. Whisky Gully concrete syphon		Mount Alexander	HO757	27595
75. Byrne's Tunnel or NO. 1 Tunnel		Mount Alexander	HO758	27597
76. Flume Foundations		Mount Alexander	HO759	27596
77. Main Channel		Mount Alexander	HO760	27598
78. Back Creek Syphon		Mount Alexander	HO761	27599
79. Catch drains		Mount Alexander	HO763	27600
80. Creek Crossing and 'goes over drain'		Mount Alexander	HO764	27601
81. Brick lined tunnel		Mount Alexander	HO765	27602
82. Maroondah aqueduct	Skyline Road	Nillumbik Shire	HO2	27603
83. Brick domed water storage	Stone Street, Allendale Road	Nillumbik Shire	HO166	27604
84. Smith dam	Nerreman Gateway	Nillumbik Shire	HO141	27605
85. Eltham watering place reserve	Main Road	Nillumbik Shire	HO227	27606
86. Garden Hill (Timber dwelling and two in-ground water tanks)	Eltham-Yarra Glen Road	Nillumbik Shire	HO50	27607
87. Headmaster's house and in-ground water tank at former Koornong Experimental School	Koornong Crescent	Nillumbik Shire	HO110	27608
88. State Battery remains including concrete dam	Smiths Gully Road	Nillumbik Shire	HO164	27609
89. Goulburn Weir Complex		Strathbogie Shire	HO12	27610
90. Brydens Tank	Sea lake-Robinvale Road	Swan Hill Rural City	HO1	27611
91. Tank (dam)	O'Bree Road	Swan Hill Rural City	HO21	27612

Name	Street Name or Location	LGA	HO Number	Hermes ID
92. Lake Boga Pump Memorial	Murray Valley Highway	Swan Hill Rural City	HO40	27613
93. Possum Flat Bushland Reserve and Tank		Swan Hill Rural City	HO95	27614
94. Water Tower	McCallum Street (Cnr. Monash Drive)	Swan Hill Rural City	HO138	27615
95. Water Tower	McCallum Street (Cnr. Splatt Street)	Swan Hill Rural City	HO140	27616
96. Lower Murray Water Pumping Station No. 1	Monash Drive	Swan Hill Rural City	HO149	27617
97. Water Tower	Splatt Street	Swan Hill Rural City	HO167	27618
98. Hut and channel	Miralie-Cocamba Road	Swan Hill Rural City	HO172	27619
99. Tank and windmill	Bishop Road	Swan Hill Rural City	HO187	27620
100. Harvey's Tank	Woorinen Road	Swan Hill Rural City	HO199	27621
101. Public standpipe	Woorinen Road	Swan Hill Rural City	HO200	27622
102. Public standpipe	Woorinen Road (corner Palmer Street)	Swan Hill Rural City	HO202	27623
103. Pumping Station site	off Hocking Road	Swan Hill Rural City	HO23	27624
104. Weir marker piles	Murray River	Swan Hill Rural City	HO30	27625
105. Concrete Basin	Murray Valley Highway/ Monash Avenue	Swan Hill Rural City	HO64	27626
106. Historic Pump House	River Street, corner Church Road	Swan Hill Rural City	HO68	27627
107. Tyntynder Channel Flume	Murray Valley Highway/ Hill Street	Swan Hill Rural City	HO55	27628
108. Windmill & Pumping Station - Robinvale Urban Water Supply	River Road, at Murray River Bridge	Swan Hill Rural City	HO102	27629
109. Pumping Station No. 1	Monash Drive (opp Swimming Pool)	Swan Hill Rural City	HO151	27630
110. Second Water Tower	McCallum Street (corner Splatt Street)	Swan Hill Rural City	HO142	27631
111. The Water Tower district		Wangaratta Rural City	HO20	27632
112. Water tower and wall (Liebig Street storage)	Liebig Street	Warrnambool City	HO118	27633

Name	Street Name or Location	LGA	HO Number	Hermes ID
113. Water tower at Warrnambool Railway Station	Merri Street	Warrnambool City	HO127	27634
114. Boisdale Homestead, outbuildings, water tower	Maffra-Briagolong Road	Wellington Shire	HO75	27635
115. MMBW Water Tower	Lucknow Street	Whitehorse City	HO119	27636
116. MMBW Water Tower	Elgar Road	Whitehorse City	HO34	27637
117. Bluestone Bridge over Darebin Creek	Rear Bickley Avenue, Bundoora	Whittlesea City	HO3	
118. Thomas Mill - Mill machinery, dam wall, water race and bluestone lane (Berry Lane)	Bridge Inn Road	Whittlesea City	HO12	27638
119. Bluestone Valve Building	Rear of Wright Court	Whittlesea City	HO25	
120. Yan Yean Valvehouse	Yan Yean Reservoir Access Road	Whittlesea City	HO47	
121. Water Tower & Office	Tower Road	Wyndham City	HO20	27639
122. Britannia Creek Weir & Falls		Yarra Ranges Shire	HO129	27640
123. The Big Culvert (Cumberland Scenic Reserve)		Yarra Ranges Shire	HO132	27641
124. Badger Creek Weir & Park	Badger Weir Road	Yarra Ranges Shire	HO156	27642
125. Grace Burn Weir & Aqueduct		Yarra Ranges Shire	HO173	27643
126. Coranderrk Bushland Reserve - aboriginal station track, water race and sawmill site		Yarra Ranges Shire	HO175	27644
127. Donnelly's Creek Weir and environs	Condots Gully	Yarra Ranges Shire	HO177	27645
128. Water Trough - Hermon's Saddle Tree reserve	Grantulla Road	Yarra Ranges Shire	HO226	27646
129. Mt Evelyn Water Supply System	Quinn Reserve	Yarra Ranges Shire	HO225	27647
130. Thomson-Upper Yarra aqueduct		Yarra Ranges Shire	HO260	27648
131. McVeigh's Water Wheel (Upper Yarra Reservoir Park)	Woods Point Road (off Warburton Highway)	Yarra Ranges Shire	HO313	27649
132. Upper Yarra Reservoir	Woods Point Road (off Warburton Highway)	Yarra Ranges Shire	HO314	27650

Name	Street Name or Location	LGA	HO Number	Hermes ID
133. O'Shannassy Lodge	Warburton Highway	Yarra Ranges Shire	HO334	27651
134. O'Shannassy Weir and aqueduct	Warburton Highway	Yarra Ranges Shire	HO335	27652
135. Maroondah Reservoir: Water Supply Catchment, Reservoir and Park		Yarra Ranges Shire	HO174	27653
136. Railway water tower	Comyn and Soldiers Avenue	Yarrambiack Shire	HO41	27654

Table A.3 Water supply places on the HO

APPENDIX 2 – POTENTIALLY SIGNIFICANT WATER SUPPLY PLACES

These are places where (on the basis of the limited desktop review carried out) there is sufficient information to conclude that they are potentially significant at either a local or State level. They include:

- Places with archaeological values that have been included on the Victorian Heritage Inventory (VHI). Many of these are former gold mining sites with evidence of hydraulic sluicing and other water-related activities.
- Places where some assessment has been carried out, but further investigation and comparative analysis is required to determine the actual level of significance (local or State) and extent of registration.

The existing level of documentation varies widely – some places are well-documented and only require a brief review, while others have only basic locational and historic information.

A2.1 Water supply places on the VHI

At least 99 places have an existing record in the Hermes database – some of these places may also included wholly or partly within the extent of registration of places on the VHR listed in Table A.1 (e.g. places associated with the Coliban water supply system and some mining sites) or places on the HO listed in Table A.3.

Name	Street Name or Location	LGA	VHI Number
1. Buckland East Water Race	Off Buckland Road	Alpine Shire	H8224-0050
2. Homewood Bound Co.		Ballarat City	H7622-0256
3. Two Mile Hill Wells		Ballarat City	H7623-0297
4. Bh3 Windpump & Dam		Brimbank City	H7822-0216
5. Old Talbot Water Basin	Off Ballarat-Maryborough Road	Central Goldfields Shire	H7623-0300
6. Puddler No.1 And Water Race System		Central Goldfields Shire	H7623-0263
7. Amherst Reservoir Alluvial Workings		Central Goldfields Shire	H7623-0270
8. Waterholes Reserve	Portarlinton Road	City Of Greater Geelong	H7821-0040
9. Yan Yean Water Supply	Off Mckimmies Road	Darebin City	H7922-0203

Name	Street Name or Location	LGA	VHI Number
10. New Adventure Co. Diversion Sluice		East Gippsland Shire	H8423-0002
11. Jirnkee Water Race		East Gippsland Shire	H8423-0005
12. Mt Wills Proprietary Battery Site		East Gippsland Shire	H8424-0018
13. Boyd's Hydraulic Sluicing Company	Junipers Road	Golden Plains Shire	H7622-0050
14. Black Hill		Golden Plains Shire	H7622-0023
15. Birthday Tunnel Co.		Golden Plains Shire	H7622-0104
16. Exchequer Co		Golden Plains Shire	H7622-0106
17. Woody Yaloak No.1 Co		Golden Plains Shire	H7622-0173
18. Woody Yaloak No.2		Golden Plains Shire	H7622-0174
19. Carr's Freehold Co.		Golden Plains Shire	H7622-0193
20. Alluvial Mining Water Race		Golden Plains Shire	H7622-0435
21. Upper Stony Creek Reservoirs		Golden Plains Shire	H7722-0030
22. No. 7 Reservoir, Bendigo Waterworks Co.	Cruse Road Kangaroo Flat	Greater Bendigo City	H7724-0052
23. Water Gully Puddler		Greater Bendigo City	H7724-0012
24. Water Gully Village		Greater Bendigo City	H7724-0013
25. Raywood Reservoir		Greater Bendigo City	H7724-0207
26. Scotchman's Gully Water Race		Greater Bendigo City	H7724-0232
27. Feature 59 Eroded Area, Feature 59.1 Coliban Water Channel, Feature 59.2 Battery Site At Stafford Reef Workings Bendigo Mining NI		Greater Bendigo City	H7724-0347
28. Water Channel Bendigo Mining NI Feature 7		Greater Bendigo City	H7724-0385
29. Water Channel Bendigo Mining NI Feature 8		Greater Bendigo City	H7724-0386
30. Water Channel Bendigo Mining NI Feature 10		Greater Bendigo City	H7724-0395

Name	Street Name or Location	LGA	VHI Number
31. Water Channel Bendigo Mining NI Feature 23		Greater Bendigo City	H7724-0395
32. Dam And Pond (Feature 25.1) Whip Shaft (25.2) Workings (25.3) And Water Channels (25.4) Bendigo Mining NI		Greater Bendigo City	H7724-0397
33. Water Race (Feature 26) Bendigo Mining NI		Greater Bendigo City	H7724-0398
34. Water Channel (Feature 36) Bendigo Mining NI		Greater Bendigo City	H7724-0407
35. Water Channels Bendigo Mining NI Features 39, 39.1		Greater Bendigo City	H7724-0410
36. Hedleys Dam And Water Race		Greater Bendigo City	H7824-0041
37. Hedley's Water Race		Greater Bendigo City	H7824-0085
38. Buckleys Falls Pumping Station		Greater Geelong City	H7721-0001
39. Barwon Heads Water Storage Tanks		Greater Geelong City	H7721-0062
40. Barwon Water 4 - Stone Formation		Greater Geelong City	H7821-0028
41. Waterholes Reserve		Greater Geelong City	H7821-0040
42. Goulburn River Weir		Greater Shepparton City	H7925-0017
43. Pickpocket Chinese Water-Race		Hepburn Shire	H7723-0184
44. Upper Loddon Water Channel		Hepburn Shire	H7723-0205
45. Sebastopol Water Dam		Hepburn Shire	H7723-0725
46. Broadmeadows 5		Hume City	H7822-0030
47. Broadmeadows 5a		Hume City	H7822-0031
48. Glenara Water Tower		Hume City	H7822-0232
49. Osborne's Flat Diversion Sluice		Indigo Shire	H8225-0020
50. Sheepstation Creek Alluvial Workings		Indigo Shire	H8225-0036

Name	Street Name or Location	LGA	VHI Number
51. Yallourn Weir	Off Howlett Road	Latrobe City	D8121-0043
52. Wirilda Track		Latrobe Shire	H8121-0027
53. Champion Workings & Battery Site		Mansfield Shire	H8122-0018
54. Star Of The West Settlement Site		Mansfield Shire	H8123-0026
55. Clarke's Dam	Diggers Rest-Coimadai Road	Melton Shire	H7822-0147
56. Eynesbury Dam #34	Between Eynesbury & Parwan-Exford Roads Melton South	Melton Shire	H7822-0848
57. Former Water Storage Tank	Eynesbury Rd	Melton Shire	H7724-0388
58. Clarkes Rd Ford and Water Reserve		Melton Shire	H7822-0155
59. Underbank Stud Farm Equine And Water Management Precinct	Randwick Road	Moorabool	H7722-0060
60. Campbells Creek Channel		Mount Alexander Shire	H7723-0088
61. Golden Point Water Race		Mount Alexander Shire	H7723-0188
62. Quartz Hill Sites - House Site & Water		Mount Alexander Shire	H7723-0239
63. Sailor's Gully Water Race & Iron Flume		Mount Alexander Shire	H7723-0253
64. Poverty Gully Water Race & Syphon System		Mount Alexander Shire	H7723-0273
65. River Loddon & Tributaries Water Supply Co Adit		Mount Alexander Shire	H7723-0301
66. River Loddon & Tributaries Water Supply Co Flume		Mount Alexander Shire	H7723-0302
67. Spring Gully Water Race		Mount Alexander Shire	H7723-0345
68. Specimen Gully Water Race (East)		Mount Alexander Shire	H7723-0350
69. Water Race - Poverty Gully Branch		Mount Alexander Shire	H7723-0351
70. Water Race - German Gully Branch		Mount Alexander Shire	H7723-0352

Name	Street Name or Location	LGA	VHI Number
71. Hazlett's Water Race		Mount Alexander Shire	H7723-0353
72. Golden Gully Water Race		Mount Alexander Shire	H7723-0354
73. Moyles Water Race		Mount Alexander Shire	H7723-0355
74. Nolans Water Race		Mount Alexander Shire	H7723-0356
75. Hunts Water Race		Mount Alexander Shire	H7723-0357
76. Cobblers Gully Water Race		Mount Alexander Shire	H7723-0358
77. Old St Arnaud Reservoir	Lock Road	Northern Grampians Shire	H7524-0100
78. St Arnaud Turntable And Water Tower (At Railway Station)	Queens Avenue	Northern Grampians Shire	
79. Wattle Flat Water Race	Rostron-Stuart Mill Rd And Wattle Flat Track	Northern Grampians Shire	H7524-0097
80. Rostron's Puddler No.3 And Water Race	Rostron-Stuart Mill Road And Boundary Road	Northern Grampians Shire	H7524-0034
81. Town Well	Clarke Street	Pyrenees Shire	H7221-0050
82. Grand Junction Sluicing Claim		Towong Shire	H8324-0005
83. Hume Dam Construction Camp		Wadonga City	H8325-0002
84. Water Wheel & Mine Machinery Weone Mine		Wangaratta Rural City	H8225-0077
85. Yan Yean Reservoir Inlet Test Shaft	Gullis Way & Ridge Road	Whittlesea City	H7922-0321
86. Yan Yean Water Supply System - Pipetrack		Whittlesea City	H7922-0281
87. Waste Water Irrigation Ditches	Off Princes Highway	Wyndham City	H7822-0235
88. Yan Yean Pipe Crossing Northcote 10		Yarra City	H7822-0060
89. Coranderrk Water Race		Yarra Ranges Shire	H8022-0096
90. Maroondah Aqueduct		Yarra Ranges Shire	H8022-0110

Name	Street Name or Location	LGA	VHI Number
91. Experimental Orchard	Hopetoun-Yapeet Road	Yarriambiack Shire	H7326-0001
92. Windmill & Water Feeder	Off Thompsons Road And Off Narre Warren-Cranbourne Road		H7921-0063
93. Goldsborough Water Race	Queen's Birthday Mine Road		H7624-0031
94. Well - 10	Alexander Avenue		H7721-0030
95. Erskin Weir	Benwerrin-Mount Sabine Road		H7620-0012
96. Stawell Water Supply Scheme			H7423-0075
97. Water Tower	Brook Street		
98. Thomson River Diversion Tunnel			
99. Stonehenge Dam	Mount Beckworth Road and Evansford Rd		H7623-0230
100. Basin Hut Sawmills Site, Mount Lonarch State Forest			H7523-0063

Table A.3 Water supply places on the VHI

A2.2 Potential significance

These places are considered to be potentially significant at a State or local level, but require further assessment and comparative analysis. They are listed by Local Government area and include:

- Places that form part of a system where other parts are already included in the HO or VHR, or
- Places that have been identified and/or assessed by a heritage study, report, register or database, or
- Key places associated with an important theme, activity or event in Victoria's water supply heritage.

Name	Street Name or Location	Suburb/Town	LGA	Hermes ID
1. Rocky Valley Dam		Falls Creek	Alpine Shire	27735
2. Lake Buffalo		Mount Buffalo	Alpine Shire	27750
3. Ovens River Diggings	Mill Bend	Porepunkah	Alpine Shire	27857
4. Lake Catani and weir wall	Mt Buffalo Road	Porepunkah	Alpine Shire	27904
5. Ararat Reservoir	Mount Buangor State Park	Ararat	Ararat Rural City	28866
6. Mt Cole reservoir		Ararat	Ararat Rural City	27573
7. Olivers Hill dam (Olivers Lake)		Ararat	Ararat Rural City	27657
8. Langi-Ghiran reservoir	(off) Western Highway, east of Ararat	Buangor	Ararat Rural City	27671
9. Water rangers house - Langi-Ghiran Reservoir	(off) Western Highway	Buangor	Ararat Rural City	28074
10. Gong Gong Reservoir	(off) Ballarat-Daylesford Road (Fellmonger's Creek)	Ballarat	Ballarat City	28034
11. Kirks reservoir	(off) Ballarat-Daylesford Road	Ballarat	Ballarat City	27945
12. White Swan Dam		Ballarat	Ballarat City	28064
13. Beales (Beal) reservoir		Ballarat	Ballarat City	27709

Name	Street Name or Location	Suburb/Town	LGA	Hermes ID
14. Lake Wendouree (Yuille's swamp)		Ballarat	Ballarat City	27713
15. Lal Lal reservoir (Bungal Dam)		Buninyong	Ballarat City	27721
16. Lance Creek Dam	Lance Creek	Wonthaggi	Bass Coast Shire	28058
17. Water tower - Drouin	Norman Street (behind Butter Factory)	Drouin	Baw Baw Shire	27922
18. Moondarra Reservoir		Moondarra	Baw Baw Shire	27748
19. Tarago Dam	Jindivick-Neerim South Road	Neerim South	Baw Baw Shire	27914
20. Baw Baw Water Race		Noojee	Baw Baw Shire	27889
21. Toorong Falls Area		Noojee	Baw Baw Shire	27894
22. Water wheel	Latrobe River	Noojee	Baw Baw Shire	27829
23. Russell Creek Water Races	Russel Creek	Russel Creek	Baw Baw Shire	27678
24. Old Tanjil Bren Reservoir & Tanjil Bren Reservoir	Scotty's Track (The old dam is located 50m upstream)	Tanjil Bren	Baw Baw Shire	27698
25. Water Diversion Channel	Happy Go Lucky Creek	Walhalla	Baw Baw Shire	27719
26. Reservoir (decommissioned)	south of	Yarragon	Baw Baw Shire	27762
27. Lake Mokoan	near	Benalla	Benalla Rural City	27716
28. Casey Weir	off Midland Highway, Chesney Road	Benalla	Benalla Rural City	27954
29. Lake Nillahcootie	south of	Benalla	Benalla Rural City	27717
30. Loombah Dam	Upper Ryans Creek Road	Ryans Creek	Benalla Rural City	28063
31. Service reservoir	Cotham Road	Kew	Boorondara City	27910
32. Charlton Weir	Avoca River, Mildura Way	Charlton	Buloke Shire	27779
33. Water tank	Currie Street	Charlton	Buloke Shire	27781
34. First Charlton Weir (on Avoca River)	Upstream of J. Paterson Bridge	Charlton	Buloke Shire	27780

Name	Street Name or Location	Suburb/Town	LGA	Hermes ID
35. Water tower - Charlton	View Street	Charlton	Buloke Shire	27691
36. Glenloth Public Tank	Charlton/Swan Hill Road	Glenloth	Buloke Shire	27805
37. Timber drain remnants	fronting 91 Mew Lane	Bamawm	Campaspe Shire	27659
38. Pumping Station	Murray Esplanade	Echuca	Campaspe Shire	27893
39. Water tower - Echuca		Echuca	Campaspe Shire	27744
40. Kow Swamp	off Leitchville South Road	Gunbower	Campaspe Shire	27957
41. Weir	Weir Road	Gunbower	Campaspe Shire	27845
42. Shillinglaw's Regulator	junction of Five Sleeper Track and River Track	Gunbower Island	Campaspe Shire	27711
43. Old Straight Cut Channel	off Island School Road	Gunbower Island	Campaspe Shire	27856
44. Schroen Irrigation Improvements	Singer Road	Lockington	Campaspe Shire	27836
45. Waranga Western Channel	McColl Road	Milloo	Campaspe Shire	27844
46. Campaspe Weir	off Bendigo-Echuca/Burnewang Roads	Rochester	Campaspe Shire	27676
47. Waranga Reservoir		Rushworth	Campaspe Shire	27754
48. Public Tank	Tomara Road	Tomara	Campaspe Shire	27703
49. Water tower - Tongala		Tongala	Campaspe Shire	27823
50. Wanalta Weir		Wanalta	Campaspe Shire	27776
51. Beaconsfield Reservoir	off Dickie Road	Beaconsfield	Cardinia Shire	27950
52. Aqueduct - Tarago Reservoir to Bunyip River	Thewlis Road	Pakenham	Cardinia Shire	28069
53. Dalmore Well		Rythdale	Cardinia Shire	27680
54. Cardinia reservoir	off Red Hill Road	Upper Beaconsfield	Cardinia Shire	27668
55. Well	Bakewell Street	Cranbourne	Casey City	27667

Name	Street Name or Location	Suburb/Town	LGA	Hermes ID
56. Water tower - Maryborough	on hill, northwest off Burns Street, 2km north of Railway Station	Maryborough	Central Goldfields Shire	27867
57. Maryborough reservoir		Maryborough	Central Goldfields Shire	27745
58. Tullaroop Reservoir		Maryborough	Central Goldfields Shire	27747
59. Andersons Creek Reservoir, Apollo Bay Water Supply System		Apollo Bay	Colac-Otway Shire	27566
60. Barramunga Creek Weir and pipeline (Geelong Water Supply System)	Barramunga Creek, off Mulgraws Road	Barramunga	Colac-Otway Shire	27944
61. Allan's Crossing Weir, Colac water supply system		Barramunga	Colac-Otway Shire	27544
62. Olangolah Weir (Colac Water Supply System)	(north of) Beech Forest Road	Beech Forest	Colac-Otway Shire	27766
63. Water tower - Birregurra railway station	Roadknight Street	Birregurra	Colac-Otway Shire	27554
64. Colac Service Basins (Colac Water Supply System)		Colac	Colac-Otway Shire	27943
65. Lake Colac		Colac	Colac-Otway Shire	27723
66. Service Basins (Colac Water Supply System)		Elliminyt	Colac-Otway Shire	27705
67. Arkins Creek Weirs	(off) Colac-Lavers Hill Road	Wyelangta	Colac-Otway Shire	28071
68. North Otway pipeline	(off) Colac-Lavers Hill Road	Wyelangta	Colac-Otway Shire	28072
69. Lake Bullenmerri	2km south-west of Camperdown	Camperdown	Corangamite Shire	27891
70. Water tank and plant	Picnic Point	Bairnsdale	East Gippsland Shire	27660
71. Agememon Water Race (at mine site)	Benambra-Cooryong Road	Benambra	East Gippsland Shire	27679

Name	Street Name or Location	Suburb/Town	LGA	Hermes ID
72. The Water Tree (water source)	near Fiveways Bally Hooly Road	Buchan East	East Gippsland Shire	27725
73. German Gully and Historic Water Race	Mills Track, off German Gully Road	German Gully	East Gippsland Shire	27729
74. Glenaladale Weir	Weir Lane	Glenaladale	East Gippsland Shire	27682
75. Apex Park Water Bore	Marine Parade	Lakes Entrance	East Gippsland Shire	27828
76. Pioneer Mine and Water Races	About 1.2km south of Mitta Mitta.	Mitta Mitta	East Gippsland Shire	27878
77. Cossticks Weir	On Mundic Creek, Old Colquhoun Road, 6km west of Nowa Nowa	Nowa Nowa	East Gippsland Shire	27899
78. Water race - Oriental Claims Historic Area	Alpine Road	Omeo	East Gippsland Shire	27900
79. Pump House (former)	Forest Road	Orbost	East Gippsland Shire	27901
80. Orbost Water Supply	Murrungowar Road, 14 km east of Orbost	Orbost	East Gippsland Shire	27688
81. Frankston Reservoir	off Sanders Road	Frankston	Frankston City	27692
82. Torumbarry Irrigation system		Cohuna, Kerang, Koondrook	Gannawarra Shire	28106
83. Cohuna Weir	Murray Valley Highway	Cohuna	Gannawarra Shire	27797
84. Upper Spur Creek Weir	Tickell's Road	Cohuna	Gannawarra Shire	27799
85. Water tower - Koondrook	Murray Parade	Koondrook	Gannawarra Shire	27869
86. Pumping station ruins	Murray Parade	Koondrook	Gannawarra Shire	27876
87. Pumping Station - Koondrook	Murray Parade	Koondrook	Gannawarra Shire	27874
88. Quambatook Weir (former)	over Avoca River	Quambatook	Gannawarra Shire	27858
89. Budgerum Weir (Madden's or Gamble's)	Avoca River	Budgerum	Gannawarra Shire	27777
90. Cohuna Headworks, Gunbower	Long Bend, Murray River	Cohuna	Gannawarra Shire and	27794

Name	Street Name or Location	Suburb/Town	LGA	Hermes ID
Island State Forest			Campaspe Shires	
91. Mocamboro Bore, Merino Water Supply	near Bonds Road	Mocamboro	Glenelg Shire	27941
92. Upper Stony Creek No. 1 Dam	(off) Geelong-Ballan Road	Durridwarrah	Golden Plains	28028
93. Lower Stony Creek Dam	(off) Geelong-Ballan Road	Durridwarrah	Golden Plains	28029
94. Spring Gully Dam	Spring Gully Road	Spring Gully	Greater Bendigo City	28031
95. Riverview H2 Irrigation Flow Regulator	off Riverview Drive	Kialla	Greater Shepparton City	27865
96. Water tower - Murchison	71 Stevenson Street	Murchison	Greater Shepparton City	27553
97. Murchison Waterworks Trust Historic Area	East bank of Stuart Murray Canal	Murchison	Greater Shepparton City	27827
98. Murchison Waterworks Trust pump and timber control gates	East bank of Stuart Murray Canal	Murchison	Greater Shepparton City	27916
99. Stuart Murray Canal	near Murchison	Murchison	Greater Shepparton City	27847
100. Loop Irrigation Channel and pump house site	Old Weir Road, off Allot 30	Murchison	Greater Shepparton City	27846
101. Cattnach Canal	north of Goulburn Weir	Murchison South	Greater Shepparton City	27850
102. Steam Pump foundations	The Boulevard	Shepparton	Greater Shepparton City	27686
103. Water tower - Toolamba Railway Station	Wanganui-Mangalore Line, off Daunt Street	Toolamba	Greater Shepparton City	27706
104. Evansford Dam	McCallums Creek	Clunes	Hepburn Shire	28045
105. Newlyn Dam	Newlyn Reservoir Road (Bullarook Creek)	Daylesford	Hepburn Shire	28027
106. Bullarto reservoir		Daylesford	Hepburn Shire	27733
107. Hepburn Goldfields Reservoir (Jubilee Lake)		Daylesford	Hepburn Shire	27734

Name	Street Name or Location	Suburb/Town	LGA	Hermes ID
108. Dock Lake and Green Lake		Green Lake	Horsham Rural City	28112
109. State Rivers & Water Supply Commission office	McLachlan Street	Horsham	Horsham Rural City	27908
110. Pine Lake	Western Highway	Horsham	Horsham Rural City	27759
111. Lake Lonsdale		Horsham	Horsham Rural City	27758
112. Natimuk and Arapiles channels		Horsham	Horsham Rural City	27824
113. Longerenong Diversion (Wilson's Weir)	West of Burnt Clay Road	Longerenong	Horsham Rural City	27923
114. Taylors Lake	Western Highway, South-east of Horsham	Taylors Lake/Banyena	Horsham Rural City	27701
115. Toolondo Reservoir	Natimuk-Toolondo Road	Toolondo	Horsham Rural City	28113
116. Greenvale Reservoir		Greenvale	Hume City	27737
117. Woolshed Falls flume (remnants)	About 5km north-north-west of Beechworth	Beechworth	Indigo Shire	27888
118. Lake Kerford		Beechworth	Indigo Shire	27715
119. Community Pump and Well	Murray Valley Highway	Browns Plains	Indigo Shire	27775
120. Barambogie Spring	4 miles from town	Chiltern	Indigo Shire	27905
121. Water tower - Wahgunyah		Wahgunyah	Indigo Shire	27898
122. Dandenong Water Supply Aqueduct	Churchill National Park	Rowville	Knox City	27677
123. Water tower - Morwell	Behind the SEC administration building	Morwell	Latrobe City	27859
124. Traralgon railway reservoir	between Hyde Park Rd and Hiscox St, off Rose Ave	Traralgon	Latrobe City	27707
125. Water tower - Traralgon	Henry Street, corner Fairview Street	Traralgon	Latrobe City	27708
126. Traralgon Water Trust Weir	Tyers Road (at Latrobe River)	Tyers	Latrobe City	27710

Name	Street Name or Location	Suburb/Town	LGA	Hermes ID
127. Water pipe bridge	crossing Latrobe river on the road between Traralgon and Tyers	Tyers	Latrobe City	27770
128. Weir	Tyers River at Wirilda Park, between Tyers and Yallourn North	Tyers	Latrobe City	27772
129. West Goulburn, Campaspe and Loddon Districts irrigation system		Boort, Rochester	Loddon Shire	28107
130. Kinipanal Creek Weir		Kinipanal	Loddon Shire	27773
131. Water tower - Pyramid Hill		Pyramid Hill	Loddon Shire	28076
132. East Loddon Station water tower	Longs Road, 1km west of Loddon Valley Highway, and 5km north of Serpentine.	Serpentine	Loddon Shire	27684
133. Tarnagulla Reservoir	Stanley Street Extension	Tarnagulla	Loddon Shire	27699
134. Lauriston reservoir		Kyneton	Macedon Ranges Shire	27741
135. Pump engine house works (ruins)	Macalister Street	Kyneton	Macedon Ranges Shire	27955
136. Rosslyne reservoir		Riddells Creek	Macedon Ranges Shire	27670
137. Romsey water reserve		Romsey	Macedon Ranges Shire	27702
138. Water race	Woods Point Road	Jamieson	Mansfield Shire	27887
139. Jericho Diversion Tunnel		Matlock	Mansfield Shire	27868
140. Water storage - Fitzpatricks Mill site		Matlock	Mansfield Shire	27870
141. Hume Pipe Company	Van Ness Avenue	Maribyrnong	Maribyrnong City	27862
142. Rockbank Headstation Dam	Taylor's Road	Diggers Rest	Melton Shire	28865
143. Rocklands Dam	Townships Road	Diggers Rest	Melton Shire	28859
144. Former Murphy Dam	Plumpton Road	Diggers Rest	Melton Shire	28856
145. 'The Plumpton' Dam	Plumpton Road	Diggers Rest	Melton Shire	28858

Name	Street Name or Location	Suburb/Town	LGA	Hermes ID
146. Holden Road Dam	Holden Road	Diggers Rest	Melton Shire	28857
147. Former Melton Reservoir	Hannah Watts Park, High Street	Melton	Melton Shire	28860
148. Melton Weir	Nixon Street	Melton	Melton Shire	28861
149. Melton Dam	Exford Road	Melton South	Melton Shire	28060
150. Former Robinson House Tank	The Bullock Track	Melton West	Melton Shire	28862
151. Moloney's Water (Tank) Reserve	Mount Cottrell Road	Mount Cottrell	Melton Shire	27826
152. Mount Cottrell Road Stockyards and Ruins	Mount Cottrell Road	Mount Cottrell	Melton Shire	28864
153. Moloney's Farm Site and Water Reserve	Mount Cottrell Road	Mount Cottrell	Melton Shire	28863
154. Kings Billabong pumps		Billabong	Mildura Rural City	27718
155. Carina Bend Pumping Station Off-take	Carina Bend	Carina	Mildura Rural City	27685
156. Millewa Main Pumping Station Site	Lake Cullulleraine area	Cullulleraine	Mildura Rural City	27695
157. Water tower - Hattah	Lake Hattah	Hattah	Mildura Rural City	27863
158. Lake Lockie Channel and Regulator	Hattah Lakes System	Lake Lockie	Mildura Rural City	27835
159. Merbein Main Channel	Channel Road	Merbein	Mildura Rural City	27822
160. Merbein Main Pumping Station	Mildura - Merbein Road	Merbein	Mildura Rural City	27840
161. Messengers Crossing Channel	Hattah Lakes System	Messengers Crossing	Mildura Rural City	27842
162. Shipwreck Kings Billabong	Cureton Avenue	Mildura	Mildura Rural City	27843
163. Water tower - Mildura		Mildura	Mildura Rural City	27949
164. Mildura Lock and Weirs	(on) River Murray	Mildura	Mildura Rural City	27877

Name	Street Name or Location	Suburb/Town	LGA	Hermes ID
165. Pine Tank Water Storage Facility (former)	Murray Sunset National Park	Morkalla	Mildura Rural City	27879
166. Pumping Station - Red Cliffs C Re-Lift	Cocklin Avenue (Channel Reserve Sec. B)	Red Cliffs	Mildura Rural City	27673
167. Pumping Station - Red Cliffs Main	Woomera Avenue (Crown Reserve Sec. B)	Red Cliffs	Mildura Rural City	27674
168. Sunday Creek Reservoir	off Westcot Road	Clonbinane	Mitchell Shire	27795
169. Lake Eppalock		Heathcote	Mitchell Shire	27740
170. Rice's Weir	Junction of Moira Lakes Track & Sand Ridge Track	Barmah State Forest	Moira Shire	27675
171. Windmill	Burramine Road	Cobram	Moira Shire	27793
172. Water towers - Cobram	Churr Street	Cobram	Moira Shire	27791
173. Pump House and Steam Pumps (site)	River Road	Cobram	Moira Shire	27787
174. Water tower - Katamatite		Katamatite	Moira Shire	28077
175. Water tower and pond - Picola	Moran Street	Picola	Moira Shire	27855
176. Underground Tank	Moran Street, corner Picola Road South	Picola	Moira Shire	27853
177. Water tower - St James		St James	Moira Shire	28070
178. Water tower - Tungamah		Tungamah	Moira Shire	28078
179. Water tower - Wunghnu	Goulburn Valley Highway	Wunghnu	Moira Shire	28075
180. Yarrawonga Channel		Yarrawonga	Moira Shire	27951
181. Water tower - Yarrawonga	Irvine Parade	Yarrawonga	Moira Shire	27764
182. Lake Mulwala (Yarrawonga Reservoir)	off Murray Valley Highway	Yarrawonga	Moira Shire	27953

Name	Street Name or Location	Suburb/Town	LGA	Hermes ID
183. Yarrawonga Weir	off Weir Road	Yarrawonga	Moira Shire	27952
184. Water tower and pumping station - Yarrawonga	Sharp Street and Murray Valley Highway	Yarrawonga	Moira Shire	27765
185. Water Channels at Werribee Gorge (remnants)	Western Freeway, approximately 8km north-west of Bacchus Marsh	Bacchus Marsh	Moorabool Shire	27658
186. Korweingubooro Dam	Off Ballan-Daylesford Road (East Moorabool River)	Ballan	Moorabool Shire	28057
187. Bostock Dam	Shaws Road (East Moorabool River)	Ballan	Moorabool Shire	28065
188. Pykes Creek reservoir		Ballan	Moorabool Shire	27704
189. Moorabool Dam	Moorabool River (West Branch)	Bolwarrah	Moorabool Shire	28059
190. Merrimu reservoir		Coimadai	Moorabool Shire	27722
191. Devilbend Reservoir		Hastings West	Mornington Peninsula Shire	27739
192. Sullivans Bay Settlement Site (archaeological evidence - casks sunk in the sand for a water supply, wells)	Point Nepean Road	Sorrento	Mornington Peninsula Shire	27690
193. McCay Dam	Green Creek	Castlemaine	Mount Alexander Shire	28068
194. Water wheel battery	Forest Creek	Chewton	Mount Alexander Shire	27902
195. Point Channel	off Golden Point Road	Golden Point	Mount Alexander Shire	27947
196. Cairn Curran reservoir		Newstead/Maldon	Mount Alexander Shire	27752
197. Water wheel	Mopoke Creek	Yapeen	Mount Alexander Shire	27755
198. Murray Valley Irrigation system		Cobram	Moira Shire	28104
199. Shenam Dam	Princes Highway	Garvoc	Moyne Shire	27881
200. Springs	at recreation reserve	Hawkesdale	Moyne Shire	27906

Name	Street Name or Location	Suburb/Town	LGA	Hermes ID
201. Koroit Waterworks Trust tunnel	High Street [underground]	Koroit	Moyne Shire	27882
202. Water tower - Mortlake	Boundary Road	Mortlake	Moyne Shire	28087
203. Aringa Reservoir	off Hamilton-Port Fairy Road	north of Aringa	Moyne Shire	27942
204. Water pipeline	[from Otways to Warrnambool]	Panmure	Moyne Shire	27860
205. Pipeline	across Curdies River	Peterborough	Moyne Shire	27918
206. Water tower - Port Fairy	Princes Highway (north side)	Port Fairy	Moyne Shire	27921
207. Lake used for Woorndoo water supply	On main road 1km before Woorndoo	Woorndoo	Moyne Shire	27749
208. Lake Eildon	Goulburn Valley Highway	Eildon	Murrindindi Shire	27895
209. Stoney Creek Water Channels	Switzerland Road	Ghin Ghin	Murrindindi Shire	27885
210. Water wheel	Marysville - Buxton Road (Gallipoli Park)	Marysville	Murrindindi Shire	27861
211. Saint Ronans Well	Maroondah Highway	Narbethong	Murrindindi Shire	27886
212. Water race	Taggerty-Thornton Road	Taggerty	Murrindindi Shire	27697
213. Stander Creek Mines (water wheel)		Woods Point	Murrindindi Shire	27732
214. Stuchbery Farm Complex (wells)	Latrobe Road	Yarrambat	Nillumbik Shire	27763
215. Dunmunkle Creek Diversion	Glenorchy-Campbells Bridge Road, east of Glenorchy	Glenorchy	Northern Grampians Shire	27911
216. Wimmera River-Swedes Creek cutting	Glenorchy-Campbells Bridge Road, east of Glenorchy	Glenorchy	Northern Grampians Shire	27915
217. Glenorchy Weir	Glenorchy-Roses Gap Road	Glenorchy	Northern Grampians Shire	27913
218. Moora Moora Reservoir and Channel	Glenelg River Road	Grampians National Park	Northern Grampians Shire	27917
219. Lake Bellfield (Bellfield Dam)	Grampians Road, SW of Halls Gap	Halls Gap	Northern Grampians Shire	27757
220. Creswick's Well	4 miles NE of Marnoo R.S.	Marnoo	Northern Grampians Shire	27909

Name	Street Name or Location	Suburb/Town	LGA	Hermes ID
221. Trudgeon's Weir	Ledcourt- St Leonards Road, west of Stawell	Stawell	Northern Grampians Shire	27693
222. Stawell Water Supply System (Fyans Creek Weir, Mt William tunnel)	Stawell Pipeline Road, Tunnel Road	Stawell	Northern Grampians Shire	27919
223. Teddington Reservoirs (St Arnaud Water Supply System)	Teddington Road	Stuart Mill	Northern Grampians Shire	28088
224. Huddlestons Weir	Stapledon's Road	Wal Wal	Northern Grampians Shire	27712
225. Pickerings Spillway	Stapledon's Road	Wal Wal	Northern Grampians Shire	27714
226. Mount Zero channel system	near track off Mt Victory Road	Wartook	Northern Grampians Shire	27726
227. Wartook Reservoir (Lake Wartook)	Wartook Road	Zumsteins	Northern Grampians Shire	27756
228. Taylors Lake Outlet Channel	Runs from Taylors Lake, SE of Horsham, to Richardson River, north of Banyena		Northern Grampians Shire	27769
229. Albert Park Lake		Albert Park	Port Phillip City	27559
230. Korumburra No. 3 Dam	Bellview Creek	Korumburra	South Gippsland	28067
231. Korumburra No. 1 Dam	Coalition Creek	Korumburra	South Gippsland	28048
232. Leongatha No. 1 Dam	Ruby Creek	Leongatha North	South Gippsland	28049
233. Leongatha No. 2 Dam	Ruby Creek	Leongatha North	South Gippsland	28051
234. Leongatha No. 3 Dam	Ruby Creek	Leongatha North	South Gippsland	28055
235. Bowlers Hill Holding Basin		Leongatha North	South Gippsland	28089
236. Hamilton Water Supply Headworks	Browns Creek, Headworks Creek	Halls Gap	Southern Grampians	28073
237. Rocklands Reservoir	Rocklands Road, approximately 10 km east of Balmoral	Balmoral	Southern Grampians Shire	27760
238. Konong Wootong Reservoir	Konong Wootong	Coleraine	Southern Grampians Shire	27656

Name	Street Name or Location	Suburb/Town	LGA	Hermes ID
239. SRWSC Head Office (former)	Orrong Road	Armadale	Stonnington City	27574
240. Malvern Hill Springs	Public Gardens, Spring St	Malvern	Stonnington City	27907
241. Sugarloaf Weir (Reservoir)		Goulburn Valley	Strathbogie Shire	27736
242. Polly McQuinn's Reserve (Reservoir, weir, bridge, and roadway)	(4km south-east of)	Strathbogie	Strathbogie Shire	27694
243. Allenvale Reservoir	St George River	Allenvale	Surf Coast Shire	27563
244. Wurdiboluc Reservoir (Wormbete reservoir, Wurdee Boluc Reservoir)	near Cape Otway Road	Wurdiboluc	Surf Coast Shire	27946
245. Bulga Tank (dam) and brick channel	Bulga Road (corner McLarty Road)	Bulga	Swan Hill Rural City	27778
246. Pumping Station off-take	off Hocking Road	Coreena Bend	Swan Hill Rural City	27801
247. Fish Point Levee Bank	Fish Point Road	Fish Point	Swan Hill Rural City	27803
248. Lake Boga Urban Water Supply	West Shore, Lake Boga	Lake Boga	Swan Hill Rural City	27819
249. Tresco Irrigation District system		Lake Boga	Swan Hill Rural City	28105
250. Nyah Irrigation system		Nyah	Swan Hill Rural City	28097
251. Pumping Station - Robinvale B Re-lift		Robinvale	Swan Hill Rural City	27782
252. Pumping Station - Robinvale C Re-lift		Robinvale	Swan Hill Rural City	27783
253. Pumping Station - Robinvale D Re-lift		Robinvale	Swan Hill Rural City	27784
254. Pumping Station - Robinvale E Re-lift		Robinvale	Swan Hill Rural City	27786
255. Pumping Station - Robinvale F Re-lift		Robinvale	Swan Hill Rural City	27788

Name	Street Name or Location	Suburb/Town	LGA	Hermes ID
256. Robinvale Main Channel		Robinvale	Swan Hill Rural City	27789
257. Water tower - Robinvale		Robinvale	Swan Hill Rural City	27790
258. Lake William Hovell	Upper King River Road	Cheshunt South	Wangaratta Rural City	27785
259. Chinese Weir remnants	Ovens River	Markwood	Wangaratta Rural City	27837
260. Water wheel	Murmungee Track, at junction of Cunningham and Judols Gullies	Murmungee	Wangaratta Rural City	27883
261. Drainage Channel	Carmody Road (south side)	Peechelba East	Wangaratta Rural City	27852
262. Tank Hill Dam	Crater Depression	Warrnambool	Warrnambool Rural City	28061
263. Cowwarr Weir		Cowwarr	Wellington Shire	28098
264. Lake Glenmaggie		Maffra	Wellington Shire	27743
265. Main Northern Channel		Maffra	Wellington Shire	28103
266. Maffra-Sale Irrigation & Water Supply District channel System		Maffra, Sale	Wellington Shire	28102
267. Macalister River (Maffra) Weir and Eastern Channel		Maffra	Wellington Shire	28100
268. Central Gippsland (Nambrok-Denison) Irrigation District channel system		Nambrok, Denison	Wellington Shire	28101
269. Water tower - Port Albert	Wharf Road	Port Albert	Wellington Shire	27832
270. Pipe Bridge	Cunninghame Street	Sale	Wellington Shire	28095
271. Sale Waterworks Pumping Station & Treatment Plant	Cunninghame Street	Sale	Wellington Shire	28094
272. Water towers - Sale (Victoria Park)	Macalister Street	Sale	Wellington Shire	27681
273. Government bore and tank	Macalister street	Sale	Wellington Shire	27956

Name	Street Name or Location	Suburb/Town	LGA	Hermes ID
274. Water tower - Sale	Market Street	Sale	Wellington Shire	27683
275. Storage reservoir	Agra Street	Mitcham	Whitehorse City	27912
276. O'Herns Road Farming Complex & Ford	O'Herns Road	Epping	Whittlesea City	27897
277. Mitta Junction Township Site	Bonegilla Road	Bonegilla	Wodonga Rural City	27771
278. Water tanks - Bonegilla	Latchford Barracks	Bonegilla West	Wodonga Rural City	27774
279. Junction Dam	East Kiewa River	Wodonga	Wodonga Rural City	28062
280. Clover Dam	East Kiewa River	Wodonga	Wodonga Rural City	28066
281. Water tower - Wodonga	Corner of High Street & Hovell Street	Wodonga	Wodonga Rural City	27730
282. Hume Reservoir	16km east of Albury on the Murray River	Wodonga	Wodonga Rural City	27768
283. K Road Cliffs	At Werribee Golf links, extending south for about 1 km.	Werribee	Wyndham City	27727
284. Werribee reservoir		Werribee	Wyndham City	27728
285. Belgrave Lake Park (Dandenong Reservoir)	Park Drive	Belgrave	Yarra Ranges Shire	27920
286. Cave Hill Water Race	Melba Avenue	Lilydale	Yarra Ranges Shire	27928
287. Lysterfield Lake weir and reservoir		Lysterfield	Yarra Ranges Shire	27696
288. McVeigh's Water Wheel		McMahons Creek	Yarra Ranges Shire	27873
289. Upper Yarra Aqueduct		McMahons Creek	Yarra Ranges Shire	27875
290. Water tower - Mt Dandenong	Ridge Road and Radnor Court (corner)	Olinda	Yarra Ranges Shire	27931
291. Silvan Agricultural Area		Silvan	Yarra Ranges Shire	27687
292. Silvan Reservoir and Park	Stonyford Road	Silvan	Yarra Ranges Shire	27700
293. O'Shannassy Reservoir Park	Warburton Highway	Warburton	Yarra Ranges Shire	28867

Name	Street Name or Location	Suburb/Town	LGA	Hermes ID
294. Lilydale - Warburton Railway Line: Old Water Pipe	Park Road (near)	Warburton	Yarra Ranges Shire	27720
295. Donnellys Creek Weir, Sawpit Ck Weir, Echo Tunnel	off Road Fifteen, about 2km north of Healesville		Yarra Ranges Shire	27767
296. Jackibi-Jackibal Swamp Well complex	Edge of Jackibi-Jackibal Swamp (Home Lake)	Jackibi-Jackibal Swamp (Home Lake)	Yarriambiack Shire	27812
297. Well and tank site	On bed of Lake Werrebean	Lake Werrebean	Yarriambiack Shire	27813
298. Ashens Creek Diversion, Wimmera River (Corker Creek)	at junction of the Lubeck and Ashens Channels near "Wimmralea"	Marma Forest	Yarriambiack Shire	27925
299. Conga Wonga Tank	At the side of Lake Conga Wonga	Pine Plains	Yarriambiack Shire	27814
300. Timbered well	Edge of Wirrengren Plain	Pine Plains	Yarriambiack Shire	27815
301. Wirrengren Plain Bore	North-eastern section of Wirrengren Plain	Pine Plains	Yarriambiack Shire	27816
302. Wells and whim	West side of Wonga Lake	Wonga Lake	Yarriambiack Shire	27817
303. Bucklands Tank	Located close to the edge of Box woodland in depression.	Wyperfeld National Park: Pine Plains	Yarriambiack Shire	27818
304. Millers Tank	Western side of Millers Point, on western edge Wirrengren Plain	Wyperfeld National Park: Pine Plains	Yarriambiack Shire	27753
305. Marma Lake		Murtoa	Yarriambiack Shire	27751
306. Water tower - Warracknabeal	Kelsall Street, corner Schickerling Street	Warracknabeal	Yarriambiack Shire	27724

Table A.4 Water supply places of potential significance

A2.3 Water Supply precincts

On the basis of the places identified in the previous tables, a number of water supply precincts have been identified. These are irrigation, stock or domestic/town supply systems that comprise two or more components and for which a precinct or 'parent' record may eventually be created in Hermes to which individual place or 'child' records may be linked.

NOTE: This list is in draft format only and requires further research to identify all precincts and the places associated with them.

Precinct Name	Components	Water Authority	LGA's	Hermes ID
Ararat Water Supply System	Ararat Reservoir Langi-Ghiran Reservoir Mt Cole Reservoir Oliver Hill Reservoir (Lake Oliver) Water rangers house – Langi-Ghiran Reservoir	Central Highlands Water	Rural City of Ararat	28813
Ballarat Water Supply System	Gong Gong Reservoir Kirk's Reservoir Lake Wendouree White Swan Reservoir	Central Highlands Water	Rural City of Ballarat	28814
Colac Water Supply System	Colac Service Basins North Otway pipeline Olangolah Weir	Barwon Water	Colac-Otway Shire	28815

Precinct Name	Components	Water Authority	LGA's	Hermes ID
Coliban (Bendigo) Water Supply System (*components listed on VHR and VHI)	Aqueduct Back Creek Syphon Barkers Creek Reservoir Brick lined tunnel Byrne's Tunnel or No. 1. Tunnel Catch drains Coliban Main Channel Coliban Water Channel Concrete Water Channel Creek Crossing and 'goes over drain' Crusoe reservoir wall, settling ponds and works Expedition Pass Reservoir Flume foundations Junction of the Main and Harcourt Channels Junction of the Harcourt Expedition Pass and Golden Point Channels Lauriston Reservoir	Coliban Water	Greater Bendigo City, Hepburn Shire, Macedon Ranges Shire	28816

Precinct Name	Components	Water Authority	LGA's	Hermes ID
	Main Channel Malmsbury Reservoir Upper Coliban Reservoir Water Channel Whisky Gully concrete syphon			
Geelong Water Supply System	Bell Post Hill Service Basin, Trees & Valve House Lovely Banks Basin Lower Stony Creek Dam Montpellier Basins & Water Reserve Basins 1, 2 & 3 Upper Stony Creek Dam	Barwon Water	Greater Geelong City	28819
Goulburn-Murray Irrigation Scheme	Cattanach Channel East Goulburn Districts system Laanecoore Weir Lake Eildon Murray Valley Irrigation Area system	Goulburn Murray Water	Greater Shepparton Rural City, Loddon Shire, Moira Shire, Murrindindi Shire	28820

Precinct Name	Components	Water Authority	LGA's	Hermes ID
	Stuart Murray Channel Torrumbarry System Torrumbarry Weir Lock Chamber, Steam Boiler and Steam Winch Complex (VHR) Tresco Irrigation District system Waranga Reservoir Waranga Western Channel West Goulburn, Campaspe and Loddon Districts system			
Leongatha Water Supply System	Bowlers Hill Holding Basin Leongatha No. 1 Dam Leongatha No. 2 Dam Leongatha No. 3 Dam Water Treatment Plant, Harvey's Road	South Gippsland Water	South Gippsland Shire	28821
Macalister Irrigation System	Central Gippsland (Nambrok-Denison) Irrigation District Channel System Cowwarr Weir Lake Glenmaggie Macalister River (Maffra) Weir and	Gippsland Water	Wellington Shire	28822

Precinct Name	Components	Water Authority	LGA's	Hermes ID
	Eastern Channel Maffra-Sale Irrigation and Water Supply District Channel System Main Northern Channel			
Maroondah Water Supply System	Maroondah aqueduct Maroondah Dam Maroondah Reservoir Park	Melbourne Water	Yarra Ranges Shire	28842
First Mildura Irrigation Trust System	Billabong Pumping Station (VHR) Carina Bend Pumping Station Off-take King Billabong pumps Lake Lockie Channel and Regulator Lock Nine Pumping Station (VHR) Millewa Main Pumping Station Site Psyche Bend Pumping Station (VHR)	Sunraysia Water	Mildura Rural City	28817
Merbein Irrigation District	Merbein Main Channel Merbein Main Pumping Station Messengers Crossing Channel	Sunraysia Water	Mildura Rural City	28824
Nyah Irrigation System	Concrete Basin	Grampians Wimmera-Mallee Water	Swan Hill Rural City	28825

Precinct Name	Components	Water Authority	LGA's	Hermes ID
	Historic Pump House Tyntynder Channel Flume			
O'Shannassy Water Supply System	O'Shannassy Lodge O'Shannassy Reservoir Park O'Shannassy Weir and aqueduct	Melbourne Water	Yarra Ranges Shire	28826
Red Cliffs Irrigation District	Pumping Station - Red Cliffs C Re-Lift Pumping Station - Red Cliffs Main	Sunraysia Water	Mildura Rural City	28828
Robinvale Irrigation District	Pumping Station - Robinvale B Re-Lift Pumping Station - Robinvale C Re-lift Pumping Station – Robinvale D Re-lift Pumping Station – Robinvale E Re-lift Pumping Station – Robinvale F Re-lift Robinvale Main Channel	Grampians Wimmera-Mallee Water	Swan Hill Rural City	28829
Silvan Water Supply System	Silvan Reservoir and Park	Melbourne Water	Yarra Ranges Shire	28830
Stawell Water Supply System	Fyans Creek Weir Mt William Tunnel	Grampians Wimmera-Mallee Water	Northern Grampians Shire	28831

Precinct Name	Components	Water Authority	LGA's	Hermes ID
	Stawell Town pipeline and flume			
Upper Yarra Water Supply System	McVeigh's Water Wheel (Upper Yarra Reservoir Park) Upper Yarra Reservoir	Melbourne Water	Yarra Ranges Shire	28832
Warrnambool Water Supply System	Tank Hill Reservoir and pipeline Water tower and wall	Wannon Water	Warrnambool Rural City	28834
Werribee River Irrigation System	Lake Merrimu Melton Dam Pykes Creek Reservoir and distribution system	City West Water	Melton Shire, Moorabool Shire, Wyndham City	28835
Wimmera Mallee Stock and Domestic Water Supply System	Fyans Lake Green Lake and Dock Lake Lake Batyo Catyo Lake Bellfield Lake Lonsdale Moora Moora Reservoir and Channel Natimuk and Arapiles channels Pine Lake and Taylors Lake	Grampians Wimmera-Mallee Water	Northern Grampians Shire, Horsham Rural City	28838

Precinct Name	Components	Water Authority	LGA's	Hermes ID
	Rocklands Reservoir Swedes Creek cutting Toolondo Reservoir Wartook Reservoir			
Yan Yean Water Supply System	Clearwater Channel Pipe Reserve - Morang to Preston Pipe Reserve - Preston to Merri Creek Pipe Reserve - Yan Yean to Morang Preston Reservoir complex Silver Creek & Wallaby Creek systems Toorourrong Reservoir Yan Yean Reservoir	Melbourne Water	Whittlesea City Darebin City	28839

Table A.5 Water Supply Precincts

A2.4 Insufficient evidence

These are places that have been identified through the research and consultation carried in Stage 1; however, there is inadequate historical information or location data to determine whether the place is potentially significant. It is also likely that some of these places may have already been identified under different name/names, which may already be included in the tables A.1, A.2, A.3 or A.4. In order to avoid duplicate records in Hermes, they have not been entered at this stage.

These places require further detailed research and field work to identify location, integrity and condition, and whether they are of potential significance or if they are included as part of a place listed in one of the previous tables.

Name	Suburb/Town	LGA	Source
1. Dry Lakes Tank	Dry Lakes		DSE Historic Places Inventories
2. Duddo Wells	Duddo		DSE Historic Places Inventories
3. Early dam on the Barwon River - evidence of?	Geelong	City of Greater Geelong	Victorian Water Supply Heritage Study (Thematic Environmental History)
4. Bore	Palmerston		Victorian Water Supply Heritage Study (Thematic Environmental History)
5. Water Pipes and Race	Sale	Swan Hill Rural City	Victorian Water Supply Heritage Study (Thematic Environmental History)
6. Ballan water reserve	Ballan	Moorabool Shire	Victorian Water Supply Heritage Study (Thematic Environmental History)
7. Barraport West Relift Pumping Station	Barraport	Loddon Shire	Inventory and Report on Historic Places in the VEAC River Red Gum Forests Investigation Area, 2007
8. Beaufort water works	Beaufort	Pyrenees Shire Council	Victorian Water Supply Heritage Study (Thematic Environmental History)
9. Water reserve	Beechworth		Victorian Water Supply Heritage Study (Thematic Environmental History)
10. Water tunnel (hand dug by Chinese miners)	Beechworth		VEAC - LCC Melbourne Area District 2 Review 1994
11. Stone water race	Birchip	Buloke Shire Council	Victorian Water Supply Heritage Study (Thematic Environmental History)
12. Gold Mine Adit, Mineshaft Reserve	Britannia Creek	Yarra Ranges Shire	DSE Historic Places Inventories
13. Budgerum Public Tank	Budgerum	Gannawarra Shire	Inventory and Report on Historic Places in the VEAC River Red Gum

Name	Suburb/Town	LGA	Source
			Forests Investigation Area, 2007
14. Takasuka Levee Bank	Bulleen	City of Manningham	DSE Historic Places Inventories
15. Colemans Spring	Buninyong	City of Ballarat	DSE Historic Places Inventories
16. Water Tower	Casterton		Victorian Water Supply Heritage Study (Thematic Environmental History)
17. Aqueduct	Castlemaine/Golden Point	Mount Alexander Shire	DSE Historic Places Inventories
18. Maldon reservoir	Castlemaine/Golden Point	Mount Alexander Shire	DSE Historic Places Inventories
19. Service reservoir	Caulfield	Glen Eira City Council	DSE Historic Places Inventories
20. Chillingollah Tank	Chillingollah	Swan Hill Rural City	DSE Historic Places Inventories
21. Eureka Tanks & Pumping Station site	Chinkapook	Swan Hill Rural City	DSE Historic Places Inventories
22. Log tank	Cocamba	Swan Hill Rural City	DSE Historic Places Inventories
23. Coreena Bend Main Channel	Coreena Bend	Swan Hill Rural City	Inventory and Report on Historic Places in the VEAC River Red Gum Forests Investigation Area, 2007
24. Coreena Pumping Station	Coreena Bend	Swan Hill Rural City	Inventory and Report on Historic Places in the VEAC River Red Gum Forests Investigation Area, 2007
25. Craigie water reserve	Craigie	Central Goldfields Shire	Victorian Water Supply Heritage Study (Thematic Environmental History)
26. Cressy water tower	Cressy	Golden Plains Shire	Victorian Water Supply Heritage Study (Thematic Environmental History)
27. Creswick reservoir	Creswick	Hepburn Shire	Victorian Water Supply Heritage Study (Thematic Environmental History)
28. Dartmouth Dam	Dartmouth	Towong Shire	Victorian Water Supply Heritage Study (Thematic Environmental History)
29. Mining water races	Daylesford	City of Greater Geelong	Victorian Water Supply Heritage Study (Thematic Environmental History)
30. Wombat Hill reservoir	Daylesford		Register of the National Estate (AHC)
31. Dean water reserve	Dean	Hepburn Shire	Victorian Water Supply Heritage Study (Thematic Environmental History)

Name	Suburb/Town	LGA	Source
32. Dimboola Pump Station site	Dimboola	Hindmarsh Shire Council	DSE Historic Places Inventories
33. Dimboola Weir	Dimboola	Hindmarsh Shire Council	Victorian Water Supply Heritage Study (Thematic Environmental History)
34. Mineral springs (Clifton Springs)	Drysdale	City of Wyndham	DSE Historic Places Inventories
35. Dunolly reservoir	Dunolly	Loddon Shire	Victorian Water Supply Heritage Study (Thematic Environmental History)
36. Old Lead reservoir	Dunolly	Campaspe Shire	DSE Historic Places Inventories
37. Site of old weir	Essendon	City of Moonee Valley	Victorian Water Supply Heritage Study (Thematic Environmental History)
38. Farrants Dam	Gannawarra area	Gannawarra Shire	Inventory and Report on Historic Places in the VEAC River Red Gum Forests Investigation Area, 2007
39. Lowery Lodge	Geelong	City of Greater Geelong	Victorian Water Supply Heritage Study (Thematic Environmental History)
40. Water tower (Gembrook)	Gembrook		Glenelg Shire Heritage Study - Environmental History
41. Log Tank	Gerahmin	Swan Hill Rural City	Victorian Water Supply Heritage Study (Thematic Environmental History)
42. Southern Channel	Glenorchy	Northern Grampians Shire	Victorian Water Supply Heritage Study (Thematic Environmental History)
43. Gordon springs	Gordon	Moorabool Shire	Victorian Water Supply Heritage Study (Thematic Environmental History)
44. Old Cohuna Headworks	Gunbower Island	Colac-Otway Shire	DSE Historic Places Inventories
45. Robson's Mill	Gunbower Island	Campaspe Shire	Inventory and Report on Historic Places in the VEAC River Red Gum Forests Investigation Area, 2007
46. Water supply reserve (former)	Hamilton		DSE Historic Places Inventories
47. Railway Pumping Station	Hattah	Mildura Rural City	DSE Historic Places Inventories
48. Lake Hattah Pumping Station & Regulator	Hattah Lake	Mildura Rural City	DSE Historic Places Inventories
49. Eel Hole Creek Dam	Hazelwood	City of Latrobe	Victorian Water Supply Heritage Study (Thematic Environmental History)
50. Gauging weir in Blue Jacket Creek	Healesville	Yarra Ranges Shire	Victorian Water Supply Heritage Study (Thematic Environmental History)
51. Hopetoun Town Water Supply Pumping Station	Hopetoun	Yarriambiack Shire Council	DSE Historic Places Inventories

Name	Suburb/Town	LGA	Source
52. Water mill	Howqua Hills		Victorian Water Supply Heritage Study (Thematic Environmental History)
53. Remains of Water Race	Jackson's Crossing	East Gippsland Shire	DSE Historic Places Inventories
54. Jeparit Weir (Wimmera River)	Jeparit	Hindmarsh Shire Council	DSE Historic Places Inventories
55. New weir on the Loddon River	Kerang	Northern Grampians Shire	DSE Historic Places Inventories
56. Tower Hill Water Works underground pipe	Koroit	Moyne Shire	DSE Historic Places Inventories
57. Tulloch bores	Koroit	Moyne Shire	Victorian Water Supply Heritage Study (Thematic Environmental History)
58. Kyneton water office (former)	Kyneton	Macedon Ranges Shire	Victorian Water Supply Heritage Study (Thematic Environmental History)
59. Caretakers cottage and garden	Lake Wartook	Northern Grampians Shire	DSE Historic Places Inventories
60. Maiden's Main Drain	Lake Wartook	Northern Grampians Shire	DSE Historic Places Inventories
61. Pumping installations	Lake Wartook	City of Greater Shepparton	Victorian Water Supply Heritage Study (Thematic Environmental History)
62. Stratford Railway Weir	Langi Ghiran Forest Park	Southern Grampians Shire	DSE Historic Places Inventories
63. Pumping Station Site	Long Lake	Northern Grampians Shire	DSE Historic Places Inventories
64. McArthur's Tank	Malmsbury	Mount Alexander Shire	Victorian Water Supply Heritage Study (Thematic Environmental History)
65. Dry Tank	Margooya	Swan Hill Rural City	DSE Historic Places Inventories
66. Former irrigation trust building?	Mildura	Mildura Rural City	Victorian Water Supply Heritage Study (Thematic Environmental History)
67. Last Hope Tank	Mildura	Mildura Rural City	DSE Historic Places Inventories
68. Flume	Miralie	Swan Hill Rural City	DSE Historic Places Inventories
69. Mordialloc springs reserve	Mordialloc	Glenelg Shire	DSE Historic Places Inventories
70. Government dam	Mortlake	Moyne Shire	Victorian Water Supply Heritage Study (Thematic Environmental History)
71. Mount Beauty reservoirs	Mount Beauty	City of Kingston	Victorian Water Supply Heritage Study (Thematic Environmental History)
72. State Rivers & Water Supply	Mount Shadwell	Mortlake Shire	DSE Historic Places Inventories

Name	Suburb/Town	LGA	Source
Commission office			
73. Water reserve	Moyston		DSE Historic Places Inventories
74. Murchison brick tank - extant?	Murchison	Alpine Shire	Victorian Water Supply Heritage Study (Thematic Environmental History)
75. Pump foundations	Murchison	Macedon Ranges Shire	Victorian Water Supply Heritage Study (Thematic Environmental History)
76. Lake Nagambie	Nagambie	Strathbogie Shire	DSE Historic Places Inventories
77. Old pumping station site	Nagambie	Loddon Shire	Victorian Water Supply Heritage Study (Thematic Environmental History)
78. Hastings Tank	Natya	Swan Hill Rural City	DSE Historic Places Inventories
79. Dam	near Woorndoo	Moyne Shire	Victorian Water Supply Heritage Study (Thematic Environmental History)
80. Congereel Tank	Nowingi	Swan Hill Rural City	DSE Historic Places Inventories
81. Above-ground well	Peterborough	Moyne Shire	Victorian Water Supply Heritage Study (Thematic Environmental History)
82. Artesian bore	Peterborough	Moyne Shire	Moyne Shire Heritage Study 2002
83. Pira Tank	Pira	Strathbogie Shire	DSE Historic Places Inventories
84. Taradale syphon works	Possum Flat	Swan Hill Rural City	DSE Historic Places Inventories
85. Water Tower (Rochester)	Rochester	Campaspe Shire	DSE Historic Places Inventories
86. Heany Park	Rowville	City of Knox	DSE Historic Places Inventories
87. Water tower and office	Rupanyup		Victorian Water Supply Heritage Study (Thematic Environmental History)
88. Cowwarr Weir	Sale	Wellington Shire	Victorian Water Supply Heritage Study (Thematic Environmental History)
89. Private bore and tank	Sale	Wellington Shire	DSE Historic Places Inventories
90. Water pipe bridge	Sale	Wellington Shire	DSE Historic Places Inventories
91. Fernihurst weir	Serpentine	Loddon Shire	Victorian Water Supply Heritage Study (Thematic Environmental History)
92. East Goulburn main Channel	Shepparton	City of Greater Shepparton	Victorian Water Supply Heritage Study (Thematic Environmental History)
93. Springs	Spotswood	City of Hobsons Bay	Victorian Water Supply Heritage Study (Thematic Environmental History)

Name	Suburb/Town	LGA	Source
94. Sydney Ricardo irrigation site, Yarra Flats	Sunday Creek	Mitchell Shire	Victorian Water Supply Heritage Study (Thematic Environmental History)
95. Levee Bank	Swan Hill	Swan Hill Rural City	Inventory and Report on Historic Places in the VEAC River Red Gum Forests Investigation Area, 2007
96. Tower Hill pumphouse (demolished)	Taradale	Mount Alexander Shire	DSE Historic Places Inventories
97. Serpentine Creek timber weir	Tatura	Loddon Shire	DSE Historic Places Inventories
98. Chinamans Lagoon	Teesdale	Golden Plains Shire	DSE Historic Places Inventories
99. Well - Westgarth Town Remains	Thomastown		DSE Historic Places Inventories
100. Red Gum Swamp Stock Watering Hole	Vectis East	Horsham Rural City	Inventory and Report on Historic Places in the VEAC River Red Gum Forests Investigation Area, 2007
101. Tank	Vinifera Forest	Swan Hill Rural City	Victorian Water Supply Heritage Study (Thematic Environmental History)
102. Echuca and Waranga trust irrigation pump and channel	Waranga	Campaspe Shire	DSE Historic Places Inventories
103. Burnt Creek-Mackenzie River diversions	Wartook	Northern Grampians Shire	Wimmera-Mallee Stock and Domestic Water Supply System (1996)
104. State Rivers & Water Supply Commission Office	Werribee	City of Wyndham	Victorian Water Supply Heritage Study (Thematic Environmental History)
105. Werribee Irrigation System	Werribee		Victorian Water Supply Heritage Study (Thematic Environmental History)
106. Wychitella water reserve	Wychitella		Victorian Water Supply Heritage Study (Thematic Environmental History)
107. Water Reserve - Hand in Hand Company mine			Victorian Water Supply Heritage Study (Thematic Environmental History)

Table A.6 Insufficient information

APPENDIX 3 - HERITAGE COUNCIL CRITERIA

CRITERION A.

The historical importance, association with or relationship to Victoria's history of the place or object.

CRITERION B.

The importance of a place or object in demonstrating rarity or uniqueness.

CRITERION C.

The place or object's potential to educate, illustrate or provide further scientific investigation in relation to Victoria's cultural heritage.

CRITERION D.

The importance of a place or object in exhibiting the principal characteristics or the representative nature of a place or object as part of a class or type of places or objects.

CRITERION E.

The importance of the place or object in exhibiting good design or aesthetic characteristics and/or in exhibiting a richness, diversity or unusual integration of features.

CRITERION F.

The importance of the place or object in demonstrating or being associated with scientific or technical innovations or achievements.

CRITERION G.

The importance of the place or object in demonstrating social or cultural associations.

CRITERION H.

Any other matter which the Council considers relevant to the determination of cultural heritage significance.

APPENDIX 4 – RNE CRITERIA

Criterion A.4

Importance for association with events, developments or cultural phases which have had a significant role in the human occupation and evolution of the nation, State, region or community.

Criterion B.2

Importance in demonstrating a distinctive way of life, custom, process, land-use, function or design no longer practised, in danger of being lost, or of exceptional interest.

Criterion C.2

Importance for information contributing to a wider understanding of the history of human occupation of Australia.

Criterion D.2

Importance in demonstrating the principal characteristics of the range of human activities in the Australian environment (including way of life, custom, process, land-use, function, design or technique).

Criterion E.1

Importance for a community for aesthetic characteristics held in high esteem or otherwise valued by the community.

Criterion F.1

Importance for its technical, creative, design or artistic excellence, innovation or achievement.

Criterion G.1

Importance as a place highly valued by a community for reasons of religious, spiritual, symbolic, cultural, educational, or social associations.

Criterion H.1

Importance for close associations with individuals whose activities have been significant within the history of the nation, State, or region.

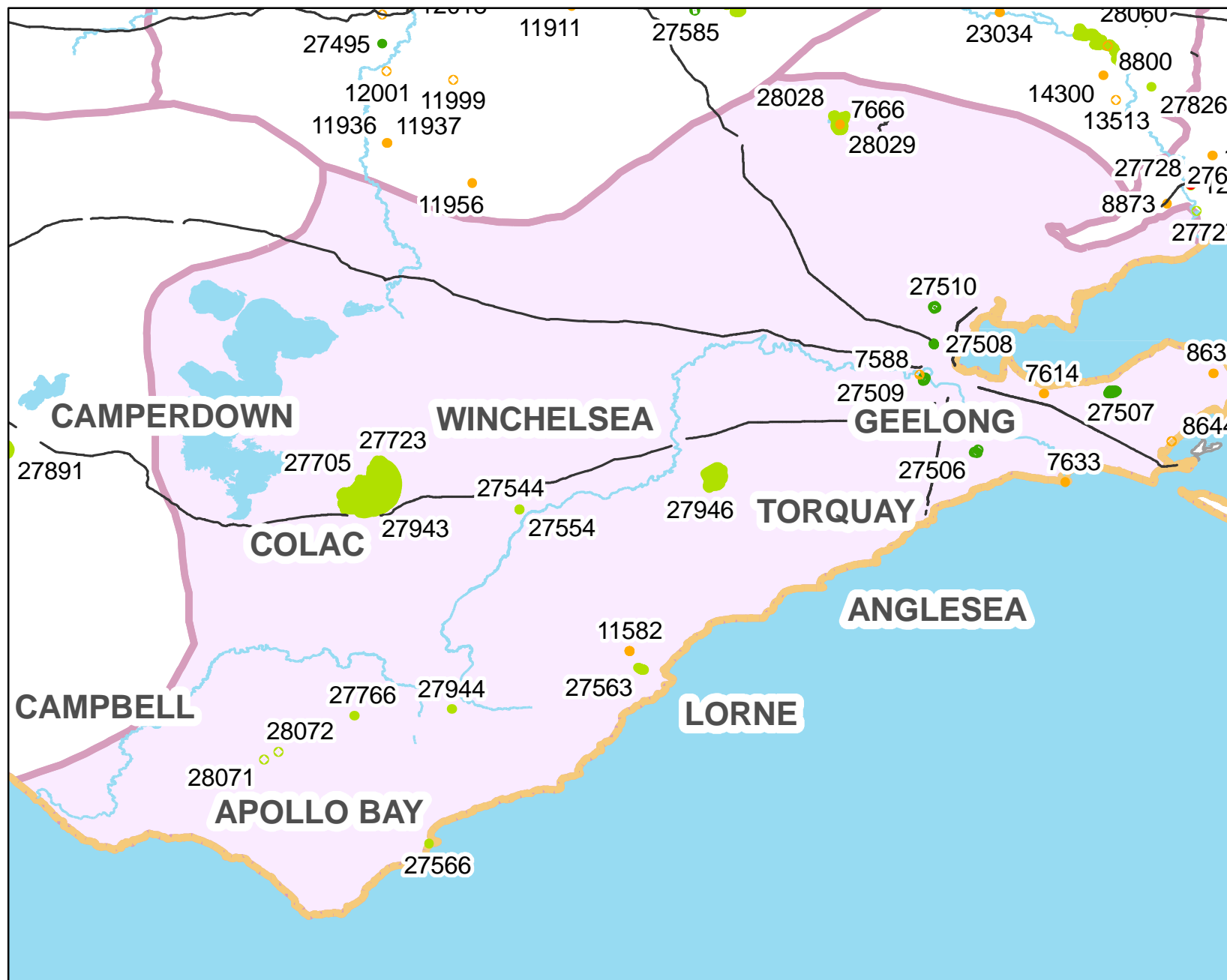
APPENDIX 5 – MAPS

The following maps and tables indicate the location of water supply heritage places within rural and urban water authority areas in alphabetical order as follows:

- Barwon Water
- Central Gippsland Water
- Central Highlands Water
- Coliban Water
- East Gippsland Water
- Goulburn Murray Water
- Grampians Wimmera Mallee Water (Rural)
- Grampians Wimmera Mallee Water (Urban)
- Lower Murray Water
- Melbourne Water (Urban)
- North East Water
- South Gippsland Water
- Southern Rural Water (East)
- Southern Rural Water (West)
- Sunraysia Water
- Wannon Water
- Western Water

Victorian Water Heritage Study

Barwon Water



Legend

Water Heritage Sites

- Victorian Heritage Register
- Victorian Heritage Inventory
- Heritage Overlay
- Other

Other Layers

- Highway
- Lakes and Reservoirs
- Rivers
- Rural WA Boundaries
- Urban WA Boundaries

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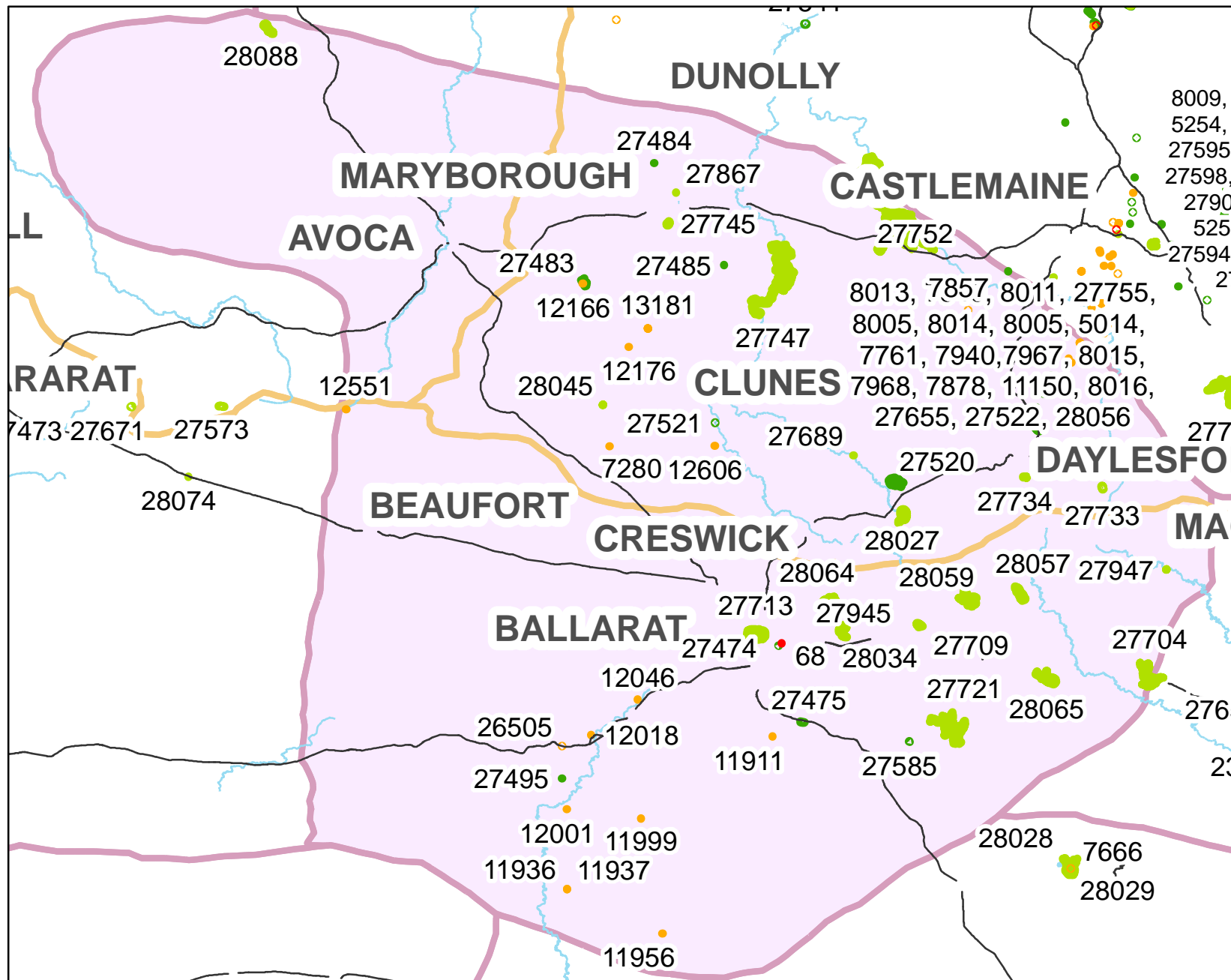
**Spatial
Vision**

October 2007

HERMES_ID	FEAT_NAME	SUBURB	LGA	HO_NUMBER	VHR	HI	CONTEXT_SOURCE
7588	BUCKLEYS FALLS PUMPING STATION		Greater Geelong City			H7721-0001	Victorian Heritage Inventory
7614	WELL- 10	Leopold	City of Greater Geelong			H7721-0030	Victorian Heritage Inventory
7633	BARWON HEADS WATER STORAGE TANKS		Greater Geelong City			H7721-0062	Victorian Heritage Inventory
7666	UPPER STONY CREEK RESERVOIRS		Golden Plains Shire			H7722-0030	Victorian Heritage Inventory
8632	BARWON WATER 4 - STONE FORMATION		Greater Geelong City			H7821-0028	Victorian Heritage Inventory
8644	WATERHOLES RESERVE	Queenscliffe	City of Greater Geelong			H7821-0040	Victorian Heritage Inventory
8644	WATERHOLES RESERVE		Greater Geelong City			H7821-0040	Victorian Heritage Inventory
11582	Erskine Weir	Lorne	Surf Coast Shire			H7620-0012	Victorian Heritage Inventory
27506	Residence and Underground Tank, Cottage Ruins, Tank and Horse Works, Dairy Building, Water Tank and Cemetery	Connewarre	Greater Geelong City	HO1716			Heritage Overlay
27507	McLeods Water Holes Heritage Area	Drysdale	Greater Geelong City	HO1613			Heritage Overlay
27508	Barwon Water Bell Post Hill Service Basin, Trees and Valve House	Hamlyn Heights	Greater Geelong City	HO1720			Heritage Overlay
27509	Barwon Water Montpellier Basins and Water Reserve Basins 1, 2 and 3	Highton	Greater Geelong City	HO1719			Heritage Overlay
27510	Barwon Water Lovely Banks Basin	Lovely Banks	Greater Geelong City	HO1721			Heritage Overlay
27544	Allan's Crossing Weir, Colac water supply system	Barramunga	Colac-Otway Shire				Other
27554	Water tower - Birregurra railway station	Birregurra	Colac-Otway Shire				Other
27563	Allenvale Reservoir	Allenvale	Surf Coast Shire				Other
27566	Andersons Creek Reservoir, Apollo Bay Water Supply System	Apollo Bay	Colac-Otway Shire				Other
27705	Service Basins (Colac Water Supply System)	Elliminyt	Colac-Otway Shire				Other
27723	Lake Colac	Colac	Colac-Otway Shire				Other
27766	Olangolah Weir (Colac Water Supply System)	Beech Forest	Colac-Otway				Other
27943	Colac Service Basins (Colac Water Supply System)	Colac	Colac-Otway				Other
27944	Barramunga Creek Weir and pipeline (Geelong Water Supply System)	Barramunga	Colac-Otway Shire				Other
27946	Wurdiboluc Reservoir (Wormbete reservoir, Wurdee Boluc Reservoir)	Wurdiboluc	Surf Coast Shire				Other
28028	Upper Stony Creek No. 1 Dam	Durridwarrah	Golden Plains				Other
28029	Lower Stony Creek Dam	Durridwarrah	Golden Plains				Other
28071	Arkins Creek Weirs	Wyelangta	Colac-Otway				Other
28072	North Otway pipeline	Wyelangta	Colac-Otway				Other

Victorian Water Heritage Study





Central Highlands Water



Legend



Water Heritage Sites

-  Victorian Heritage Register
 Victorian Heritage Inventory
 Heritage Overlay
 Other

Other Layers

- Highway
- Lakes and Reservoirs
- Rivers
- Rural WA Boundaries
- Urban WA Boundaries

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VICTORIA

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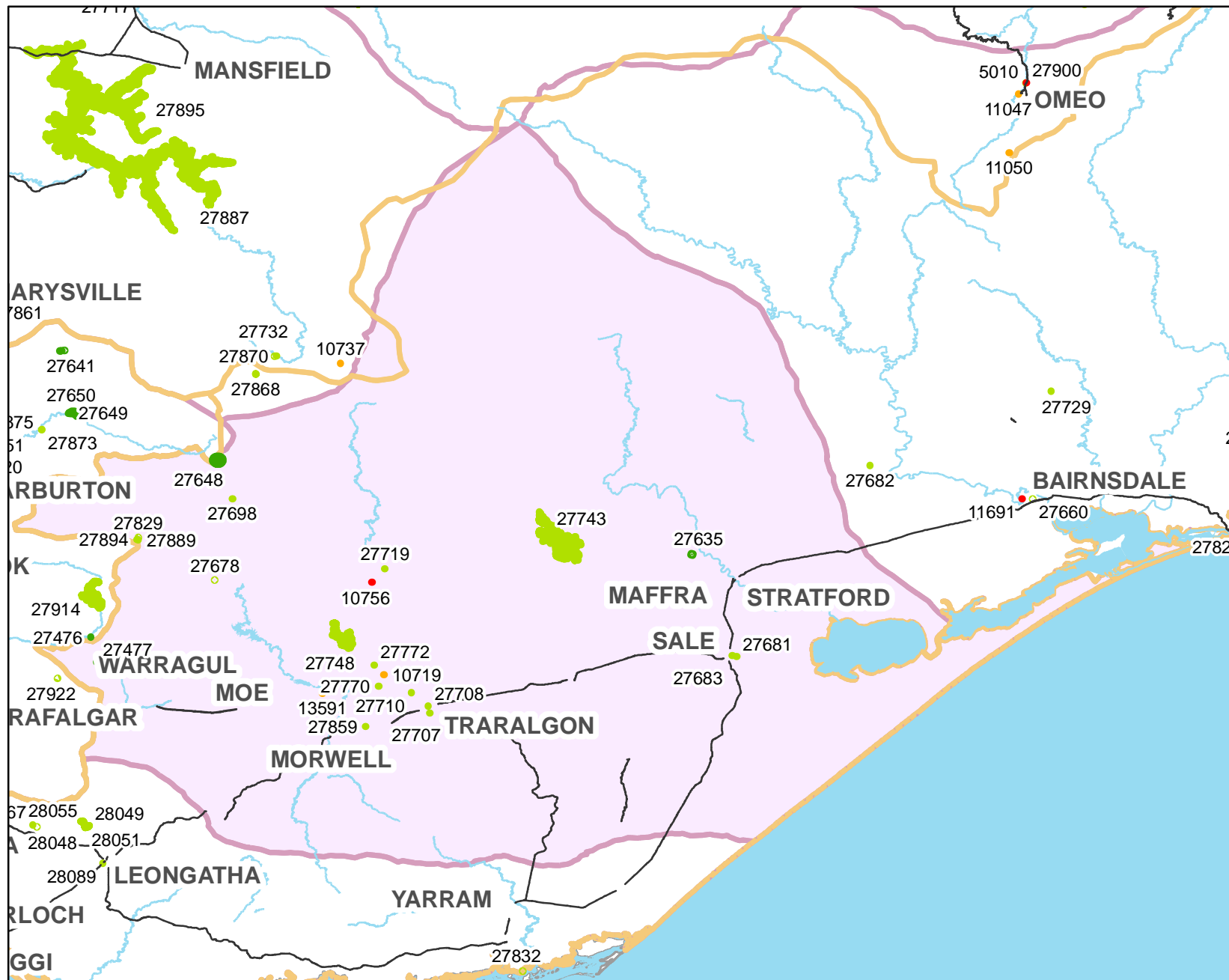
October 2007

Central_Highlands_Water

HERMES_ID	FEAT_NAME	SUBURB	LGA	HO_NUMBER	VHR	HI	CONTEXT_SOURCE
68	Ballarat Railway Complex	Ballarat East	City of Ballarat		H0902		Victorian Heritage Register
7280	STONEHENGE DAM	WAUBRA	Hepburn Shire, Ballarat City			H7623-0230	Victorian Heritage Inventory
7857	PICKPOCKET CHINESE WATER-RACE		Hepburn Shire			H7723-0184	Victorian Heritage Inventory
7878	UPPER LODDON WATER CHANNEL		Hepburn Shire			H7723-0205	Victorian Heritage Inventory
8016	HUNTS WATER RACE		Mount Alexander Shire			H7723-0357	Victorian Heritage Inventory
11150	SEBASTOPOL WATER DAM		Hepburn Shire			H7723-0725	Victorian Heritage Inventory
11911	HOMEWOOD BOUND CO.		Ballarat City			H7622-0256	Victorian Heritage Inventory
11936	WOODY YALOK NO.1 CO		Golden Plains Shire			H7622-0173	Victorian Heritage Inventory
11937	WOODY YALOK NO.2		Golden Plains Shire			H7622-0174	Victorian Heritage Inventory
11956	CARR'S FREEHOLD CO.		Golden Plains Shire			H7622-0193	Victorian Heritage Inventory
11999	BIRTHDAY TUNNEL CO.	BERRINGA	Golden Plains Shire			H7622-0104	Victorian Heritage Inventory
12001	EXCHEQUER CO		Golden Plains Shire			H7622-0106	Victorian Heritage Inventory
12018	Black Hill		Golden Plains Shire			H7622-0023	Victorian Heritage Inventory
12046	Boyd's Hydraulic Sluicing Company	Smythesdale	Golden Plains Shire			H7622-0050	Victorian Heritage Inventory
12166	AMHERST RESERVOIR ALLUVIAL WORKINGS		Central Goldfields Shire			H7623-0270	Victorian Heritage Inventory
12176	PUDDLER NO.1 AND WATER RACE SYSTEM		Central Goldfields Shire			H7623-0263	Victorian Heritage Inventory
12551	BASIN HUT SAWMILLS SITE, MOUNT LONARCH STATE FOREST		Pyrenees Shire			H7523-0063	Victorian Heritage Inventory
12606	TWO MILE HILL WELLS	Ballarat South	Ballarat City			H7623-0297	Victorian Heritage Inventory
13181	OLD TALBOT WATER BASIN	Talbot	Central Goldfields Shire			H7623-0300	Victorian Heritage Inventory
26505	ALLUVIAL MINING WATER RACE	LINTON	Golden Plains Shire			H7622-0435	Victorian Heritage Inventory
27474	Former Water and Sewerage Authority Office	Ballarat	Ballarat City	HO41			Heritage Overlay
27475	Buninyong Botanic Gardens - Gong reservoir	Buninyong	Ballarat City	HO158			Heritage Overlay
27483	Amherst Reservoir	Amherst	Central Goldfields Shire	HO152			Heritage Overlay
27484	Stand Pipe	Bowenvale	Central Goldfields Shire	HO103			Heritage Overlay
27485	Stand Pipe	Majorca	Central Goldfields Shire	HO95			Heritage Overlay
27495	Stand pipe and trough	Happy Valley	Golden Plains Shire	HO65			Heritage Overlay
27520	Clunes Water Supply Works (Hepburn Lagoon)	Blampied	Hepburn Shire	HO826			Heritage Overlay
27521	Big Dam' (Creswick Creek, Clunes Streamside Reserve)	Clunes	Hepburn Shire	HO298			Heritage Overlay
27522	Daylesford-Upper Loddon State Forest water channel	Porcupine Ridge	Hepburn Shire	HO640			Heritage Overlay
27585	Lal Lal Railway Station water tank	Lal Lal	Moorabool Shire	HO41			Heritage Overlay
27655	Daylesford-Upper Loddon State Forest water channel	Dry Diggings	Hepburn Shire	HO640			Heritage Overlay
27689	Anderson's Mill and Water Wheel	Smeaton	Hepburn Shire				Other
27704	Pykes Creek reservoir	Ballan	Moorabool Shire				Other
27709	Beales (Beal) reservoir	Ballarat	City of Ballarat				Other
27713	Lake Wendouree (Yuille's swamp)	Ballarat	City of Ballarat				Other
27721	Lal Lal reservoir (Bungal dam)	Buninyong	City of Ballarat				Other
27733	Bullarto reservoir	Daylesford	Hepburn Shire				Other
27734	Hepburn Goldfields Reservoir (Jubilee Lake)	Daylesford	Hepburn Shire				Other
27745	Maryborough reservoir	Maryborough	Central Goldfields Shire				Other
27747	Tullaroop Reservoir	Maryborough	Central Goldfields Shire				Other
27752	Cairn Curran reservoir	Newstead/Maldon	Mount Alexander Shire				Other
27867	Water tower - Maryborough	Maryborough	Central Goldfields Shire				Other
27945	Kirks reservoir	Ballarat	City of Ballarat				Other
27947	Point Channel	Golden Point	Mount Alexander Shire				Other
28027	Newlyn Dam	Daylesford	Hepburn Shire				Other
28034	Gong Gong Reservoir	Ballarat	Ballarat				Other
28045	Evansford Dam	Clunes					Other
28057	Korweinguboorra Dam	Ballan	Moorabool				Other
28059	Moorabool Dam	Bolwarrah	Moorabool				Other
28064	White Swan Dam	Ballarat	Ballarat				Other
28065	Bostock Dam	Ballan	Moorabool				Other
28088	Teddington Reservoirs (St Arnaud Water Supply System)	Stuart Mill	Northern Grampians Shire				Other




Victorian Water Heritage Study

Central Gippsland Water



Legend

Water Heritage Sites

-  Victorian Heritage Register
 Victorian Heritage Inventory
 Heritage Overlay
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Other Layers

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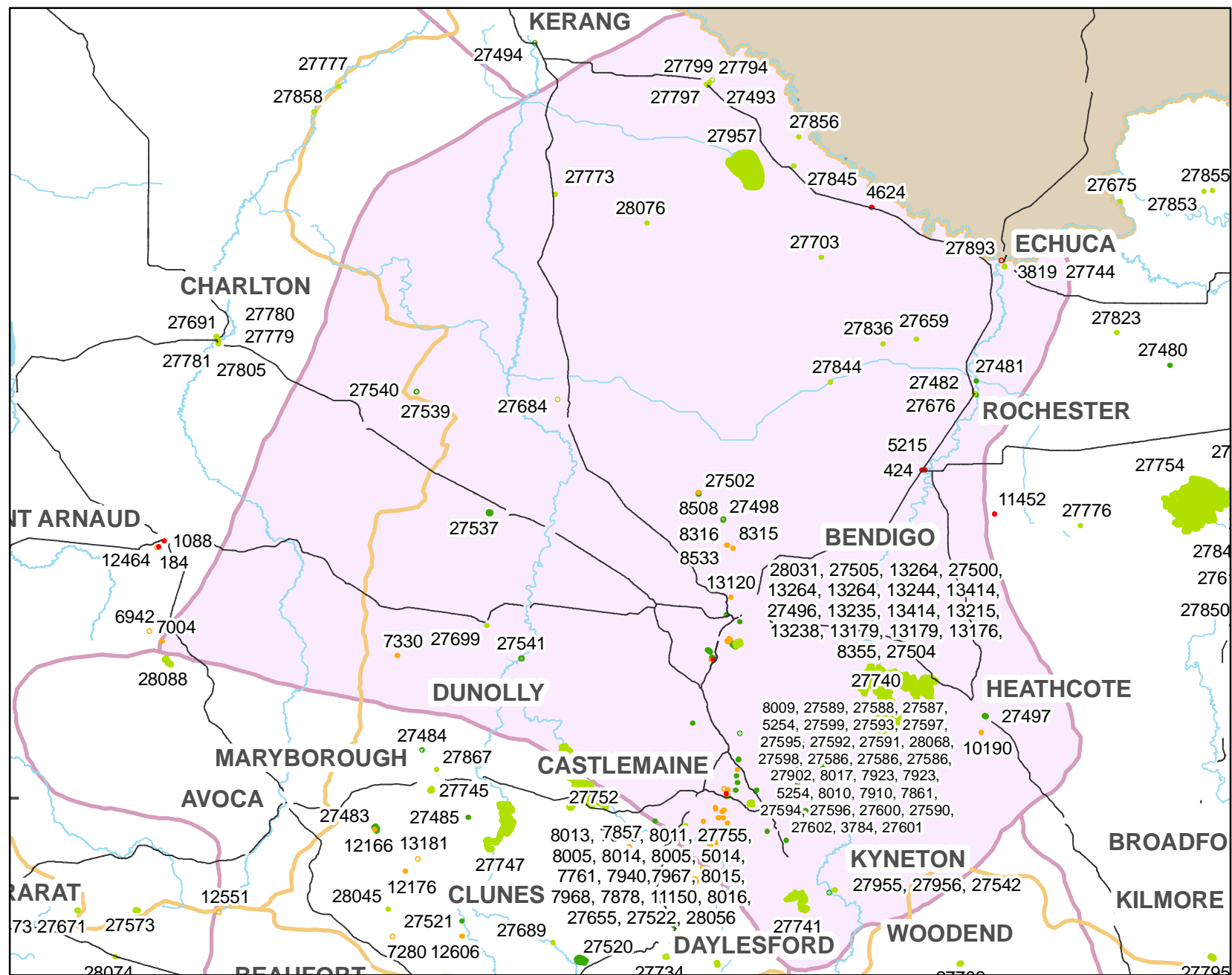
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Central_Gippsland_Water

HERMES_ID	FEAT_NAME	SUBURB	LGA	HO_NUMBER	VHR	HI	CONTEXT_SOURCE
10719	WIRILDA TRACK		Latrobe Shire			H8121-0027	Victorian Heritage Inventory
10756	Thomson River Diversion Tunnel	Walhalla	Baw Baw Shire		H1990	H8122-0042	Victorian Heritage Register
13591	Yallourn Weir	Yallourn North	Latrobe City			D8121-0043	Victorian Heritage Inventory
27477	Water Supply Reservoir and Concrete Tank	Warragul	Baw Baw Shire	HO210			Heritage Overlay
27635	Boisdale Homestead, outbuildings, water tower	Maffra	Wellington Shire	HO75			Heritage Overlay
27648	Thomson-Upper Yarra aqueduct	Narracan	Yarra Ranges Shire	HO260			Heritage Overlay
27678	Russell Creek Water Races	Russel Creek	Baw Baw Shire				Other
27681	Water towers - Sale (Victoria Park)	Sale	Wellington Shire				Other
27683	Water tower - Sale	Sale	Wellington Shire				Other
27698	Old Tanjil Bren Reservoir and Tanjil Bren Reservoir	Tanjil Bren	Baw Baw Shire				Other
27707	Traralgon railway reservoir	Traralgon	Latrobe City				Other
27708	Water tower - Traralgon	Traralgon	Latrobe City				Other
27710	Traralgon Water Trust Weir	Tyers	Latrobe City				Other
27719	Water Diversion Channel	Walhalla	Baw Baw Shire				Other
27743	Lake Glenmaggie	Maffra	Wellington Shire				Other
27748	Moondarra Reservoir	Moondarra	Baw Baw Shire				Other
27770	Water pipe bridge		Latrobe Shire				Other
27772	Weir		Latrobe Shire				Other
27829	Water wheel	Noojee	Baw Baw Shire				Other
27859	Water tower - Morwell	Morwell	Latrobe City				Other
27889	Baw Baw Water Race	Noojee	Baw Baw Shire				Other
27894	Toorong Falls Area	Noojee	Baw Baw Shire				Other

Victorian Water Heritage Study

Coliban Water



Legend

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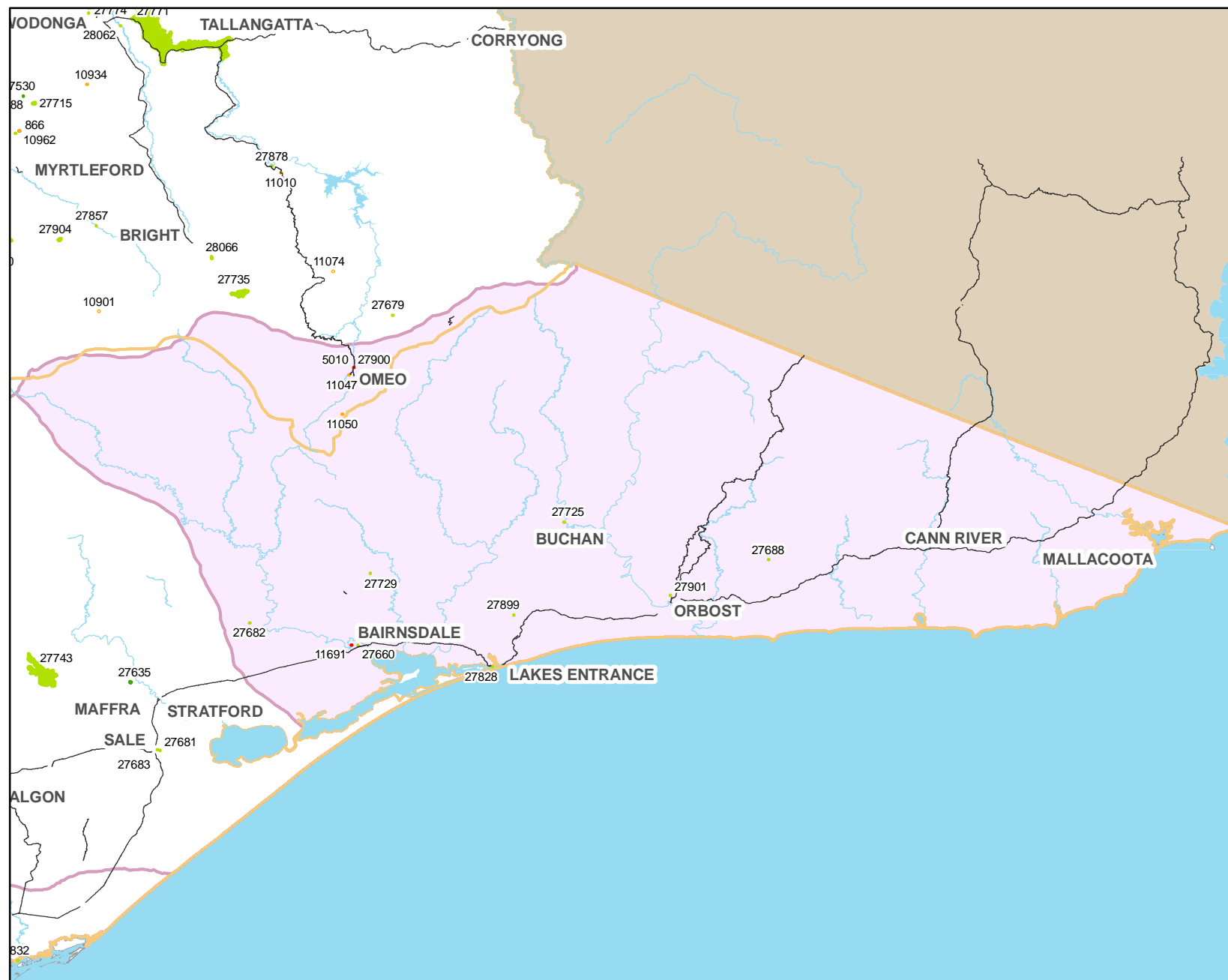
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October 2007

HERMES ID	FEAT NAME	SUBURB	LGA	HO NUMBER	VHR	HI	CONTEXT SOURCE
424	Elmore Railway Station and Water Tower	Elmore	Greater Bendigo City			H1672	Victorian Heritage Register
3784	Coliban Water Supply System	Kangaroo Flat (Harcourt)	Greater Bendigo City, Macedon Ranges Shire, Mount Alexander Shire			H1021	Victorian Heritage Register
4624	Torrumbarry Weir Lock Chamber, Steam Boiler and Steam Winch Complex	Torrumbarry	Campaspe Shire			H0993	Victorian Heritage Register
5014	Red Hill Hydraulic Gold Sluicing Site	Castlemaine	Mount Alexander Shire			H1230	Victorian Heritage Register
5215	Former Elmore Water Tower	Elmore	Greater Bendigo City			H1678	Victorian Heritage Register
5254	Garfield Water Wheel Gold Quartz site	Chewton	Mount Alexander Shire			H1356	Victorian Heritage Register
7004	WATTLE FLAT WATER RACE	Stuart Mill	Northern Grampians Shire			H7524-0097	Victorian Heritage Inventory
7330	GOLDSBOROUGH WATER RACE	GOLDSBOROUGH	Central Goldfields Shire			H7624-0031	Victorian Heritage Inventory
7761	CAMPBELLS CREEK CHANNEL		Mount Alexander Shire			H7723-0088	Victorian Heritage Inventory
7861	GOLDEN POINT WATER RACE		Mount Alexander Shire			H7723-0188	Victorian Heritage Inventory
7910	QUARTZ HILL SITES - HOUSE SITE & WATER		Mount Alexander Shire			H7723-0239	Victorian Heritage Inventory
7923	SAILOR'S GULLY WATER RACE & IRON FLUME		Mount Alexander Shire			H7723-0253	Victorian Heritage Inventory
7940	POVERTY GULLY WATER RACE & SYPHON SYSTEM		Mount Alexander Shire			H7723-0273	Victorian Heritage Inventory
7967	RIVER LODDON & TRIBUTARIES WATER SUPPLY CO ADIT		Mount Alexander Shire			H7723-0301	Victorian Heritage Inventory
7968	RIVER LODDON & TRIBUTARIES WATER SUPPLY CO FLUME		Mount Alexander Shire			H7723-0302	Victorian Heritage Inventory
8005	SPRING GULLY WATER RACE		Mount Alexander Shire			H7723-0345	Victorian Heritage Inventory
8009	SPECIMEN GULLY WATER RACE (EAST)		Mount Alexander Shire			H7723-0350	Victorian Heritage Inventory
8010	WATER RACE - POVERTY GULLY BRANCH		Mount Alexander Shire			H7723-0351	Victorian Heritage Inventory
8011	WATER RACE - GERMAN GULLY BRANCH		Mount Alexander Shire			H7723-0352	Victorian Heritage Inventory
8012	HAZLETT'S WATER RACE		Mount Alexander Shire			H7723-0353	Victorian Heritage Inventory
8013	GOLDEN GULLY WATER RACE		Mount Alexander Shire			H7723-0354	Victorian Heritage Inventory
8014	MOYLES WATER RACE		Mount Alexander Shire			H7723-0355	Victorian Heritage Inventory
8015	NOLANS WATER RACE		Mount Alexander Shire			H7723-0356	Victorian Heritage Inventory
8017	COBBLERS GULLY WATER RACE		Mount Alexander Shire			H7723-0358	Victorian Heritage Inventory
8315	WATER GULLY PUDDLER		Greater Bendigo City			H7724-0012	Victorian Heritage Inventory
8316	WATER GULLY VILLAGE	Whipstick	Greater Bendigo City			H7724-0013	Victorian Heritage Inventory
8355	No. 7 Reservoir, Bendigo Waterworks Co.	Kangaroo Flat	Greater Bendigo City			H7724-0052	Victorian Heritage Inventory
8508	RAYWOOD RESERVOIR		Greater Bendigo City			H7724-0207	Victorian Heritage Inventory
8533	SCOTCHMAN'S GULLY WATER RACE		Greater Bendigo City			H7724-0232	Victorian Heritage Inventory
10190	HEDLEY'S DAM AND WATER RACE		Greater Bendigo City			H7824-0041	Victorian Heritage Inventory
13120	FEATURE 59 ERODED AREA, FEATURE 59.1 COLIBAN WATER CHANNEL, FEATURE 59.2 BATTERY SITE AT STAFFORD REEF WORKINGS BENDIGO MINING NL		Greater Bendigo City			H7724-0347	Victorian Heritage Inventory
13176	WATER CHANNEL BENDIGO MINING NL FEATURE 7		Greater Bendigo City			H7724-0385	Victorian Heritage Inventory
13179	WATER CHANNEL BENDIGO MINING NL FEATURE 8		Greater Bendigo City			H7724-0386	Victorian Heritage Inventory
13215	WATER CHANNEL BENDIGO MINING NL FEATURE 10		Greater Bendigo City			H7724-0395	Victorian Heritage Inventory
13235	WATER CHANNEL BENDIGO MINING NL FEATURE 23		Greater Bendigo City			H7724-0395	Victorian Heritage Inventory
13238	DAM AND POND (FEATURE 25.1) WHIP SHAFT (25.2) WORKINGS (25.3) AND WATER CHANNELS (25.4) BENDIGO MINING NL		Greater Bendigo City			H7724-0397	Victorian Heritage Inventory
13244	WATER RACE (FEATURE 26) BENDIGO MINING NL		Greater Bendigo City			H7724-0398	Victorian Heritage Inventory
13284	WATER CHANNEL (FEATURE 36) BENDIGO MINING NL		Greater Bendigo City			H7724-0407	Victorian Heritage Inventory
13414	WATER CHANNELS BENDIGO MINING NL FEATURES 39, 39.1		Greater Bendigo City			H7724-0410	Victorian Heritage Inventory
27481	Waranga Western Channel Syphon						Heritage Overlay
27482	Water Tower	Rochester	Campaspe	HO213			Heritage Overlay
27493	Cohuna Water Tower	Rochester	Campaspe	HO217			Heritage Overlay
27496	Crusoe reservoir wall, settling ponds and works	Cohuna	Gannawarra Shire	HO19			Heritage Overlay
27497	Stone Slab Tank at Livingstone House	Big Hill/Kangaroo Flat	Greater Bendigo City	HO308			Heritage Overlay
27498	Water Reserve (Iron's Dam Mine)	Heathcote	Greater Bendigo City	HO472			Heritage Overlay
27500	Railway Water Tower	Neilborough	Greater Bendigo City	HO579			Heritage Overlay
27502	Raywood Reservoir	Quarry Hill	Greater Bendigo City	HO617			Heritage Overlay
27504	Water Supply Reserve (New Chum Goldfields)	Raywood	Greater Bendigo City	HO645			Heritage Overlay
27505	Raywood Channel Water Race Mine	Spring Gully	Greater Bendigo City	HO664			Heritage Overlay
27537	Old Ingwood Reservoir	Whipstick	Greater Bendigo City	HO667			Heritage Overlay
27539	Railway Water Tower	Ingwood	Loddon Shire	HO89			Heritage Overlay
27540	Railway reservoir and channel system	Korong Vale	Loddon Shire	HO156			Heritage Overlay
27541	Laanecoorie Weir	Korong Vale	Loddon Shire	HO157			Heritage Overlay
27542	Bluestone Road Bridge Abutments and weirs (swimming pool remains)	Laanecoorie	Loddon Shire	HO167			Heritage Overlay
27586	Water Channel	Kyneton	Macedon Ranges Shire	HO43			Heritage Overlay
27586	Water Channel	Faraday	Mount Alexander	HO750			Heritage Overlay
27587	Junction of the Main and Harcourt Channels	Faraday	Mount Alexander	HO780			Heritage Overlay
27588	Expedition Pass Reservoir	Golden Point	Mount Alexander	HO751			Heritage Overlay
27589	Concrete Water Channel	Golden Point	Mount Alexander	HO754			Heritage Overlay
27590	Barkers Creek Reservoir	Golden Point	Mount Alexander	HO749			Heritage Overlay
27591	Coliban Water Channel	North Harcourt	Mount Alexander	HO811			Heritage Overlay
27592	Coliban Main Channel	Taradale	Mount Alexander	HO762			Heritage Overlay
27593	Junction of the Harcourt Expedition Pass and Golden point channels	Taradale	Mount Alexander	HO766			Heritage Overlay
27594	Aqueduct		Mount Alexander	HO753			Heritage Overlay
27595	Whisky Gully concrete syphon		Mount Alexander	HO756			Heritage Overlay
27596	Flume Foundations		Mount Alexander	HO757			Heritage Overlay
27597	Byrne's Tunnel or NO. 1 Tunnel		Mount Alexander	HO759			Heritage Overlay
27598	Main Channel		Mount Alexander	HO758			Heritage Overlay
27599	Back Creek Syphon		Mount Alexander	HO760			Heritage Overlay
27600	Catch drains		Mount Alexander	HO761			Heritage Overlay
27601	Creek Crossing and 'goes over drain'		Mount Alexander	HO763			Heritage Overlay
27602	Brick lined tunnel		Mount Alexander	HO764			Heritage Overlay
27659	Timber drain remnants		Mount Alexander	HO765			Heritage Overlay
27676	Campaspe Weir	Bamawm	Campaspe Shire				Other
27684	East Loddon Station water tower	Rochester	Campaspe Shire				Other
27699	Tarnagulla Reservoir	Serpentine	Loddon Shire				Other
27703	Public Tank	Tarnagulla	Loddon Shire				Other
27740	Lake Eppalock	Tomara	Campaspe Shire				Other
27741	Lauriston reservoir	Heathcote	Mitchell Shire				Other
27744	Water tower - Echuca	Kyneton	Macedon Ranges Shire				Other
27752	Cairn Curran reservoir	Echuca	Campaspe Shire				Other
27755	Water wheel	Newstead/Maldon	Mount Alexander Shire				Other
27773	Kinipalian Creek Weir	Yapeen	Mount Alexander Shire				Other
27794	Cohuna Headworks, Gunbower Island State Forest	Kinipalian	Loddon Shire				Other
27797	Cohuna Weir	Cohuna	Gannawarra Shire and Campaspe Shires				Other
27799	Upper Spur Creek Weir	Cohuna	Gannawarra Shire				Other
27836	Schroen Irrigation Improvements	Cohuna	Gannawarra Shire				Other
27844	Waranga Western Channel	Lockington	Campaspe Shire				Other
27845	Weir	Millico	Campaspe Shire				Other
27856	Old Straight Cut Channel	Gunbower	Campaspe Shire				Other
27902	Water wheel battery	Gunbower Island	Campaspe Shire				Other
27955	Pump engine house works (ruins)	Chewton	Mount Alexander Shire				Other
27956	Government bore and tank	Kyneton	Wellington Shire				Other
27957	Kow Swamp	Sale	Wellington Shire				Other
28031	Spring Gully Dam	Gunbower	Campaspe Shire				Other
28056	Upper Coliban Dam	Spring Gully	Greater Bendigo				Other
28068	McCay Dam	Kyneton					Other
28076	Water tower - Pyramid Hill	Castlemaine	Mt Alexander				Other
		Pyramid Hill	Loddon Shire				Other

Victorian Water Heritage Study

East Gippsland Water



Legend



Water Heritage Sites

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Spatial
Vision

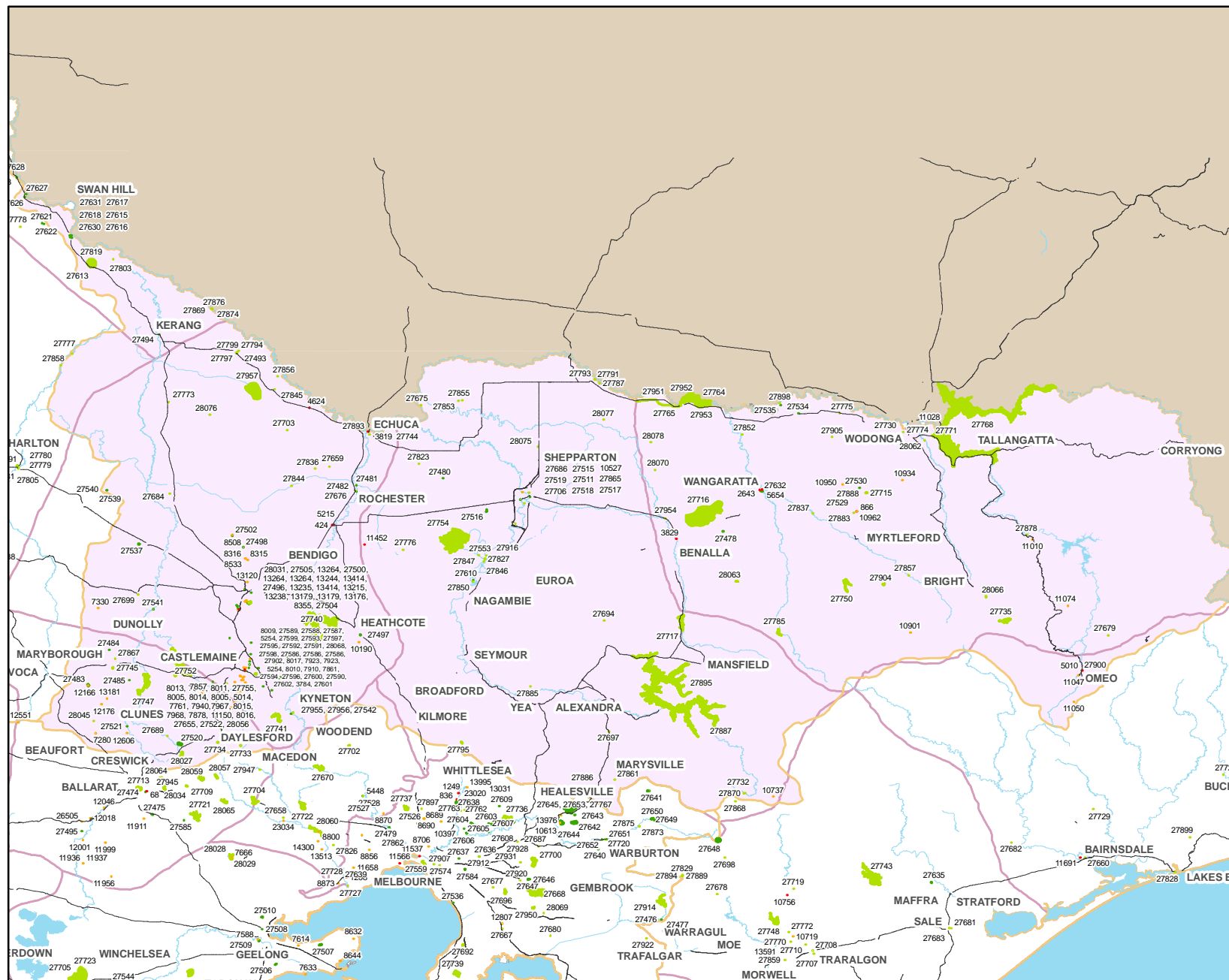
October 2007

East_Gippsland_Water

HERMES_ID	FEAT_NAME	SUBURB	LGA	HO_NUMBER	VHR	HI	CONTEXT_SOURCE
5010	Oriental Claims Hydraulic Sluicing Site	Omeo	East Gippsland Shire		H1225	H8423-0001	Victorian Heritage Register
11047	NEW ADVENTURE CO. DIVERSION SLUICE	Omeo	East Gippsland Shire			H8423-0002	Victorian Heritage Inventory
11050	JIRNKEE WATER RACE	Tongio West	East Gippsland Shire			H8423-0005	Victorian Heritage Inventory
11691	Bairnsdale Pumping Station	Bairnsdale	East Gippsland Shire		H2040		Victorian Heritage Register
27660	Water tank and plant	Bairnsdale	East Gippsland Shire				Other
27682	Glenaladale Weir	Glenaladale	East Gippsland Shire				Other
27688	Orbost Water Supply	Orbost	East Gippsland Shire				Other
27725	The Water Tree (water source)	Buchan East	East Gippsland Shire				Other
27729	German Gully and Historic Water Race	German Gully	East Gippsland Shire				Other
27828	Apex Park Water Bore	Lakes Entrance	East Gippsland Shire				Other
27899	Cossticks Weir	Nowa Nowa	East Gippsland Shire				Other
27900	Water race - Oriental Claims Historic Area	Omeo	East Gippsland Shire				Other
27901	Pump House (former)	Orbost	East Gippsland Shire				Other

Victorian Water Heritage Study

Goulburn - Murray Water



Legend

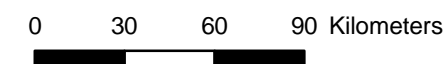


Water Heritage Sites

- Victorian Heritage Register
- Victorian Heritage Inventory
- Heritage Overlay
- Other

Other Layers

- Highway
- Lakes and Reservoirs
- Rivers
- Rural WA Boundaries
- Urban WA Boundaries



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Heritage
VICTORIA

CONTEXT

**Spatial
Vision**

October 2007

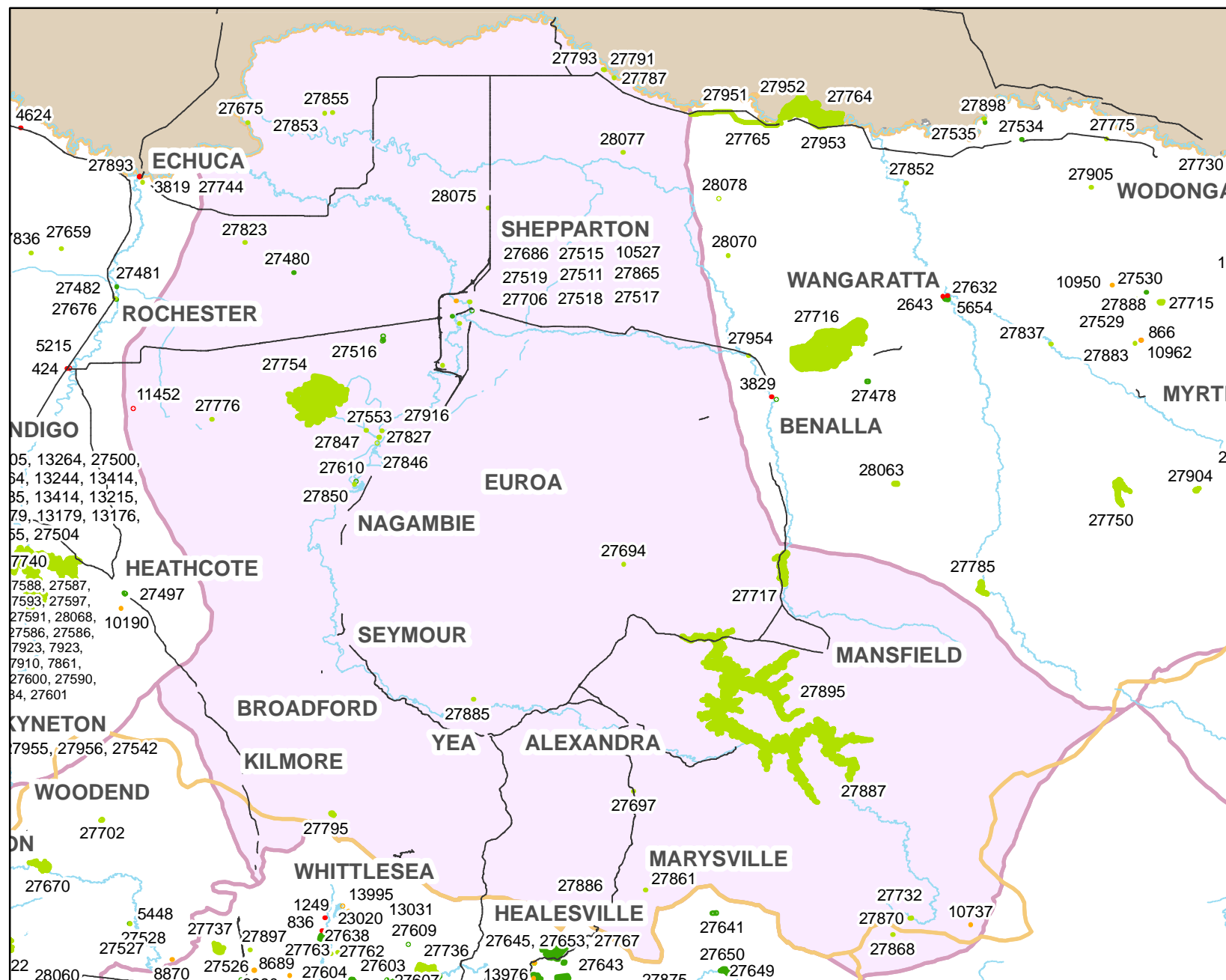
HERMES_ID	FEAT_NAME	SUBURB	LGA	HO_NUMBER	VHR	HI	CONTEXT_SOURCE
424	Elmore Railway Station and Water Tower	Elmore	Greater Bendigo City		H1672		Victorian Heritage Register
866	Water Wheel and Mine Machinery	Murrunge	Wangaratta Rural City		H0356		Victorian Heritage Register
2643	Wangaratta Railway Station complex	Wangaratta	Wangaratta Rural City		H1597		Victorian Heritage Register
3784	Coliban Water Supply System	Kangaroo Flat (Harcourt)	Greater Bendigo City, Macedon Ranges Shire, Mount Alexander Shire		H1021		Victorian Heritage Register
3829	Benalla Water Supply Depot	Benalla	Rural City of Benalla		H1048		Victorian Heritage Register
4624	Torrumbarry Weit Lock Chamber, Steam Boiler and Steam Winch Complex	Torrumbarry	Campaspe Shire		H0993		Victorian Heritage Register
5010	Oriental Claims Hydraulic Sluicing Site	Omeo	East Gippsland Shire		H1225	H8423-0001	Victorian Heritage Register
5014	Red Hill Hydraulic Gold Sluicing Site	Castlemaine	Mount Alexander Shire		H1230		Victorian Heritage Register
5215	Former Elmore Water Tower	Elmore	Greater Bendigo City		H1678		Victorian Heritage Register
5254	Garfield Water Wheel Gold Quartz site	Chewton	Mount Alexander Shire		H1356		Victorian Heritage Register
5654	Water Tower and Tank	Wangaratta	Wangaratta Rural City		H1833		Victorian Heritage Register
7280	STONEHENGE DAM	WAUBRA	Hepburn Shire, Ballarat City				
7330	GOLDSBOROUGH WATER RACE	GOLDSBOROUGH	Central Goldfields Shire		H7623-0230		Victorian Heritage Inventory
7761	CAMPBELLS CREEK CHANNEL		Mount Alexander Shire		H7624-0031		Victorian Heritage Inventory
7857	PICKPOCKET CHINESE WATER-RACE		Hepburn Shire		H7723-0088		Victorian Heritage Inventory
7861	GOLDEN POINT WATER RACE		Mount Alexander Shire		H7723-0184		Victorian Heritage Inventory
7878	UPPER LODDON WATER CHANNEL		Hepburn Shire		H7723-0188		Victorian Heritage Inventory
7910	QUARTZ HILL SITES - HOUSE SITE & WATER		Mount Alexander Shire		H7723-0205		Victorian Heritage Inventory
7923	SAILOR'S GULLY WATER RACE & IRON FLUME		Mount Alexander Shire		H7723-0239		Victorian Heritage Inventory
7940	POVERTY GULLY WATER RACE & SYPHON SYSTEM		Mount Alexander Shire		H7723-0253		Victorian Heritage Inventory
7967	RIVER LODDON & TRIBUTARIES WATER SUPPLY CO ADIT		Mount Alexander Shire		H7723-0273		Victorian Heritage Inventory
7968	RIVER LODDON & TRIBUTARIES WATER SUPPLY CO FLUME		Mount Alexander Shire		H7723-0301		Victorian Heritage Inventory
8005	SPRING GULLY WATER RACE		Mount Alexander Shire		H7723-0302		Victorian Heritage Inventory
8009	SPECIMEN GULLY WATER RACE (EAST)		Mount Alexander Shire		H7723-0345		Victorian Heritage Inventory
8010	WATER RACE - POVERTY GULLY BRANCH		Mount Alexander Shire		H7723-0350		Victorian Heritage Inventory
8011	WATER RACE - GERMAN GULLY BRANCH		Mount Alexander Shire		H7723-0351		Victorian Heritage Inventory
8012	HAZLETT'S WATER RACE		Mount Alexander Shire		H7723-0352		Victorian Heritage Inventory
8013	GOLDEN GULLY WATER RACE		Mount Alexander Shire		H7723-0353		Victorian Heritage Inventory
8014	MOYLES WATER RACE		Mount Alexander Shire		H7723-0354		Victorian Heritage Inventory
8015	NOLANS WATER RACE		Mount Alexander Shire		H7723-0355		Victorian Heritage Inventory
8016	HUNTS WATER RACE		Mount Alexander Shire		H7723-0356		Victorian Heritage Inventory
8017	COBBLERS GULLY WATER RACE		Mount Alexander Shire		H7723-0357		Victorian Heritage Inventory
8315	WATER GULLY PUDDLER		Greater Bendigo City		H7723-0358		Victorian Heritage Inventory
8316	WATER GULLY VILLAGE	Whipstick	Greater Bendigo City		H7724-0012		Victorian Heritage Inventory
8355	No. 7 Reservoir, Bendigo Waterworks Co.	Kangaroo Flat	Greater Bendigo City		H7724-0013		Victorian Heritage Inventory
8508	RAYWOOD RESERVOIR		Greater Bendigo City		H7724-0052		Victorian Heritage Inventory
8533	SCOTCHMAN'S GULLY WATER RACE	Whipstick	Greater Bendigo City		H7724-0207		Victorian Heritage Inventory
10190	HEDLEYS DAM AND WATER RACE		Greater Bendigo City		H7724-0232		Victorian Heritage Inventory
10527	GOULBURN RIVER WEIR		Greater Shepparton City		H7824-0041		Victorian Heritage Inventory
10737	CHAMPION WORKINGS & BATTERY SITE		Mansfield Shire		H7925-0017		Victorian Heritage Inventory
10901	BUCKLAND EAST WATER RACE	BUCKLAND JUNCTION	Alpine Shire		H8122-0018		Victorian Heritage Inventory
10934	OSBORNE'S FLAT DIVERSION SLUICE		Indigo Shire		H8224-0050		Victorian Heritage Inventory
10950	SHEEPSTATION CREEK ALLUVIAL WORKINGS		Indigo Shire		H8225-0020		Victorian Heritage Inventory
10962	WATER WHEEL & MINE MACHINERY WEONE MINE		Wangaratta Rural City		H8225-0036		Victorian Heritage Inventory
11010	GRAND JUNCTION SLUICING CLAIM		Towong Shire		H8225-0077		Victorian Heritage Inventory
11028	HUME DAM CONSTRUCTION CAMP		Wadonga City		H8324-0005		Victorian Heritage Inventory
11047	NEW ADVENTURE CO. DIVERSION SLUICE	Omeo	East Gippsland Shire		H8325-0002		Victorian Heritage Inventory
11050	JIRNKEE WATER RACE	Tongio West	East Gippsland Shire		H8423-0002		Victorian Heritage Inventory
11074	MT WILLS PROPRIETARY BATTERY SITE	North of Sunnyside	East Gippsland Shire		H8423-0005		Victorian Heritage Inventory
11150	SEBASTOPOL WATER DAM	Hepburn Shire			H8424-0018		Victorian Heritage Inventory
11452	Colbinabbin Community well	Colbinabbin	Campaspe Shire		H7723-0725	H1937	Victorian Heritage Register
12166	AMHERST RESERVOIR ALLUVIAL WORKINGS		Central Goldfields Shire		H7623-0270		Victorian Heritage Inventory
12176	PUDDLER NO.1 AND WATER RACE SYSTEM		Central Goldfields Shire		H7623-0263		Victorian Heritage Inventory
12606	TWO MILE HILL WELLS	Ballarat South	Ballarat City		H7623-0297		Victorian Heritage Inventory
13120	FEATURE 59 ERODED AREA, FEATURE 59.1 COLIBAN WATER CHANNEL, FEATURE 59.2 BATTERY SITE AT STAFFORD REEF WORKINGS BENDIGO MINING NL		Greater Bendigo City		H7724-0347		Victorian Heritage Inventory
13176	WATER CHANNEL BENDIGO MINING NL FEATURE 7		Greater Bendigo City		H7724-0385		Victorian Heritage Inventory
13179	WATER CHANNEL BENDIGO MINING NL FEATURE 8		Greater Bendigo City		H7724-0386		Victorian Heritage Inventory
13181	OLD TALBOT WATER BASIN	Talbot	Central Goldfields Shire		H7623-0300		Victorian Heritage Inventory
13215	WATER CHANNEL BENDIGO MINING NL FEATURE 10		Greater Bendigo City		H7724-0395		Victorian Heritage Inventory
13235	WATER CHANNEL BENDIGO MINING NL FEATURE 23		Greater Bendigo City		H7724-0395		Victorian Heritage Inventory
13238	DAM AND POND (FEATURE 25.1) WHIP SHAFT (25.2) WORKINGS (25.3) AND WATER CHANNELS (25.4) BENDIGO MINING NL		Greater Bendigo City		H7724-0397		Victorian Heritage Inventory
13244	WATER RACE (FEATURE 26) BENDIGO MINING NL		Greater Bendigo City		H7724-0398		Victorian Heritage Inventory
13264	WATER CHANNEL (FEATURE 36) BENDIGO MINING NL		Greater Bendigo City		H7724-0407		Victorian Heritage Inventory
13414	WATER CHANNELS BENDIGO MINING NL FEATURES 39, 39.1		Greater Bendigo City		H7724-0410		Victorian Heritage Inventory
27478	Benalla Water Supply Depot	Benalla	Benalla Rural City	HO24			Heritage Overlay
27480	Water tower	Kyabram	Campaspe	HO101			Heritage Overlay
27481	Waranga Western Channel Syphon	Rochester	Campaspe	HO213			Heritage Overlay
27482	Water Tower	Rochester	Campaspe	HO217			Heritage Overlay
27483	Amherst Reservoir	Amherst	Central Goldfields Shire	HO152			Heritage Overlay
27484	Stand Pipe	Bowenvale	Central Goldfields Shire	HO103			Heritage Overlay
27485	Stand Pipe	Majorca	Central Goldfields Shire	HO95			Heritage Overlay
27493	Cohuna Water Tower	Cohuna	Gannawarra Shire	HO19			Heritage Overlay
27494	Old Water Tower	Kerang	Gannawarra Shire	HO5			Heritage Overlay
27496	Crusoe reservoir wall, settling ponds and works	Big Hill/Kangaroo Flat	Greater Bendigo City	HO308			Heritage Overlay
27497	Stone Slab Tank at Livingstone House	Heathcote	Greater Bendigo City	HO472			Heritage Overlay
27498	Water Reserve (Iron's Dam Mine)	Neilborough	Greater Bendigo City	HO579			Heritage Overlay
27500	Railway Water Tower	Quarry Hill	Greater Bendigo City	HO617			Heritage Overlay
27502	Raywood Reservoir	Raywood	Greater Bendigo City	HO645			Heritage Overlay
27504	Water Supply Reserve (New Chum Goldfields)	Spring Gully	Greater Bendigo City	HO664			Heritage Overlay
27505	Raywood Channel Water Race Mine	Whipstick	Greater Bendigo City	HO667			Heritage Overlay
27511	Water Tower	Mooroopna	Greater Shepparton City	HO472			Heritage Overlay
27515	Waterworks building and tower	Shepparton	Greater Shepparton City	HO135			Heritage Overlay
27516	Former Rodney Irrigation Trust Office (Irrigation and War Camps Museum)	Tatura	Greater Shepparton City	HO107			Heritage Overlay
27517	Cast Iron Water Tower and Tank	Tatura	Greater Shepparton City	HO116			Heritage Overlay
27518	Water Tower and Waterworks Trust buildings	Tatura	Greater Shepparton City	HO117			Heritage Overlay
27519	Former Goulburn-Murray Water Depot	Tatura	Greater Shepparton City	HO119			Heritage Overlay
27520	Clines Water Supply Works (Hepburn Lagoon)	Blampied	Hepburn Shire	HO826			Heritage Overlay

HERMES_ID	FEAT_NAME	SUBURB	LGA	HO_NUMBER	VHR	HI	CONTEXT_SOURCE
27521	Big Dam' (Creswick Creek, Clunes Streamside Reserve)	Clunes	Hepburn Shire	HO298			Heritage Overlay
27522	Daylesford-Upper Loddon State Forest water channel	Porcupine Ridge	Hepburn Shire	HO640			Heritage Overlay
27529	Rocky Mountain Ext GSC Water Diversion tunnel (Beechworth Historic Park BEEC216)	Beechworth	Indigo Shire	HO308			Heritage Overlay
27530	Brick Water Tower	Beechworth	Indigo Shire	HO318			Heritage Overlay
27534	Water Tower	Rutherglen	Indigo Shire	HO109			Heritage Overlay
27535	Water Tower	Wahgunyah	Indigo Shire	HO747			Heritage Overlay
27537	Old Inglewood Reservoir	Inglewood	Loddon Shire	HO89			Heritage Overlay
27539	Railway Water Tower	Korong Vale	Loddon Shire	HO156			Heritage Overlay
27540	Railway reservoir and channel system	Korong Vale	Loddon Shire	HO157			Heritage Overlay
27541	Laanecoorie Weir	Laanecoorie	Loddon Shire	HO167			Heritage Overlay
27542	Bluestone Road Bridge Abutments and weirs (swimming pool remains)	Kyneton	Macedon Ranges Shire	HO43			Heritage Overlay
27553	Water tower - Murchison	Murchison	City of Greater Shepparton				Other
27586	Water Channel	Faraday	Mount Alexander	HO750			Heritage Overlay
27586	Water Channel	Faraday	Mount Alexander	HO780			Heritage Overlay
27587	Junction of the Main and Harcourt Channels	Golden Point	Mount Alexander	HO751			Heritage Overlay
27588	Expedition Pass Reservoir	Golden Point	Mount Alexander	HO754			Heritage Overlay
27589	Concrete Water Channel	Golden Point	Mount Alexander	HO749			Heritage Overlay
27590	Barkers Creek Reservoir	North Harcourt	Mount Alexander	HO811			Heritage Overlay
27591	Coliban Water Channel	Taradale	Mount Alexander	HO762			Heritage Overlay
27592	Coliban Main Channel	Taradale	Mount Alexander	HO766			Heritage Overlay
27593	Junction of the Harcourt Expedition Pass and Golden point channels		Mount Alexander	HO753			Heritage Overlay
27594	Aqueduct		Mount Alexander	HO756			Heritage Overlay
27595	Whisky Gully concrete syphon		Mount Alexander	HO757			Heritage Overlay
27596	Flume Foundations		Mount Alexander	HO759			Heritage Overlay
27597	Byrne's Tunnel or NO. 1 Tunnel		Mount Alexander	HO758			Heritage Overlay
27598	Main Channel		Mount Alexander	HO760			Heritage Overlay
27599	Back Creek Syphon		Mount Alexander	HO761			Heritage Overlay
27600	Catch drains		Mount Alexander	HO763			Heritage Overlay
27601	Creek Crossing and 'goes over drain'		Mount Alexander	HO764			Heritage Overlay
27602	Brick lined tunnel		Mount Alexander	HO765			Heritage Overlay
27610	Goulburn Weir Complex	Nagambie	Strathbogie Shire	HO12			Heritage Overlay
27613	Lake Boga Pump Memorial	Lake Boga	Swan Hill Rural City	HO40			Heritage Overlay
27616	Water Tower	Swan Hill	Swan Hill Rural City	HO140			Heritage Overlay
27618	Water Tower	Swan Hill	Swan Hill Rural City	HO167			Heritage Overlay
27623	Public standpipe	Woorinen South	Swan Hill Rural City	HO202			Heritage Overlay
27626	Concrete Basin	Nyah	Swan Hill Rural City	HO64			Heritage Overlay
27630	Pumping Station No. 1	Swan Hill	Swan Hill Rural City	HO151			Heritage Overlay
27631	Second Water Tower	Swan Hill	Swan Hill Rural City	HO142			Heritage Overlay
27632	The Water Tower district	Wangaratta	Wangaratta Rural City	HO20			Heritage Overlay
27655	Daylesford-Upper Loddon State Forest water channel	Dry Diggings	Hepburn Shire	HO640			Heritage Overlay
27659	Timber drain remnants	Bamawm	Campaspe Shire				Other
27675	Rice's Weir	Barmah State Forest	Moir Shire Council				Other
27676	Campaspe Weir	Rochester	Campaspe Shire				Other
27679	Agememon Water Race (at mine site)	Benambra	East Gippsland Shire				Other
27684	East Loddon Station water tower	Serpentine	Loddon Shire				Other
27686	Steam Pump foundations	Shepparton	City of Greater Shepparton				Other
27689	Anderson's Mill and Water Wheel	Smeaton	Hepburn Shire				Other
27694	Polly McQuinn's Reserve	Strathbogie	Strathbogie Shire				Other
27697	Water race	Taggerty	Murrindindi Shire				Other
27699	Tarnagulla Reservoir	Tarnagulla	Loddon Shire				Other
27703	Public Tank	Tomara	Campaspe Shire				Other
27706	Water tower - Toolamba Railway Station	Toolamba	City of Greater Shepparton				Other
27715	Lake Kerford	Beechworth	Indigo Shire				Other
27716	Lake Mokoan	Benalla	Benalla Rural City Council				Other
27717	Lake Nillahcootie	Benalla	Benalla Rural City Council				Other
27730	Water tower - Wodonga	Wodonga	Wodonga Rural City				Other
27732	Stander Creek Mines (water wheel)	Woods Point	Murrindindi Shire				Other
27733	Bullarto reservoir	Daylesford	Hepburn Shire				Other
27734	Hepburn Goldfields Reservoir (Jubilee Lake)	Daylesford	Hepburn Shire				Other
27735	Rocky Valley Dam	Falls Creek	Alpine Shire				Other
27740	Lake Eppalock	Heathcote	Mitchell Shire				Other
27741	Lauriston reservoir	Kyneton	Macedon Ranges Shire				Other
27744	Water tower - Echuca	Echuca	Campaspe Shire				Other
27745	Maryborough reservoir	Maryborough	Central Goldfields Shire				Other
27747	Tullaroop Reservoir	Maryborough	Central Goldfields Shire				Other
27750	Lake Buffalo	Mount Buffalo	Alpine Shire				Other
27752	Cairn Curran reservoir	Newstead/Maldon	Mount Alexander Shire				Other
27754	Waranga Reservoir	Rushworth	Campaspe Shire				Other
27755	Water wheel	Yapeen	Mount Alexander Shire				Other
27764	Water tower - Yarrawonga	Yarrawonga	Moir Shire Council				Other
27765	Water tower and pumping station - Yarrawonga	Yarrawonga	Moir Shire Council				Other
27768	Hume Reservoir		City of Wodonga				Other
27771	Mitta Junction Township Site	Bonegilla	Wodonga Rural City				Other
27773	Kinpanial Creek Weir	Kinpanial	Loddon Shire				Other
27774	Water tanks - Bonegilla	Bonegilla West	Wodonga Rural City				Other
27775	Community Pump and Well	Browns Plains	Indigo Shire				Other
27776	Wanalla Weir						Other
27777	Budgerum Weir (Madden's or Gamble's)	Budgerum	Gannawarra Shire				Other
27785	Lake William Hovell	Cheshunt South	Wangaratta Rural City				Other
27787	Pump House and Steam Pumps (site)	Cobram	Moir Shire Council				Other
27791	Water towers - Cobram	Cobram	Moir Shire Council				Other
27793	Windmill	Cobram	Moir Shire Council				Other
27794	Cohuna Headworks, Gunbower Island State Forest	Cohuna	Gannawarra Shire and Campaspe Shires				Other
27795	Sunday Creek Reservoir	Clonbinane	Mitchell Shire				Other
27797	Cohuna Weir	Cohuna	Gannawarra Shire				Other
27799	Upper Spur Creek Weir	Cohuna	Gannawarra Shire				Other
27803	Fish Point Levee Bank	Fish Point	Swan Hill Rural City				Other

HERMES_ID	FEAT_NAME	SUBURB	LGA	HO_NUMBER	VHR	HI	CONTEXT_SOURCE
27819	Lake Boga Urban Water Supply	Lake Boga	Swan Hill Rural City				Other
27823	Water tower - Tongala	Tongala	Campaspe Shire				Other
27827	Murchison Waterworks Trust Historic Area	Murchison	City of Greater Shepparton				Other
27836	Schroen Irrigation Improvements	Lockington	Campaspe Shire				Other
27837	Chinese Weir remnants	Markwood	Wangaratta Rural City				Other
27844	Waranga Western Channel	Milloo	Campaspe Shire				Other
27845	Weir	Gunbower	Campaspe Shire				Other
27846	Loop Irrigation Channel and pump house site	Murchison	City of Greater Shepparton				Other
27847	Stuart Murray Canal	Murchison	City of Greater Shepparton				Other
27850	Cattanach Canal	Murchison South	City of Greater Shepparton				Other
27852	Drainage Channel	Peechelba East	Wangaratta Rural City				Other
27853	Underground Tank	Picola	Moir Shire Council				Other
27855	Water tower and pond - Picola	Picola	Moir Shire Council				Other
27856	Old Straight Cut Channel	Gunbower Island	Campaspe Shire				Other
27857	Ovens River Diggings	Porepunkah	Alpine Shire				Other
27861	Water wheel	Marysville	Murrindindi Shire				Other
27865	Riverview H2 Irrigation Flow Regulator	Kialla	City of Greater Shepparton				Other
27867	Water tower - Maryborough	Maryborough	Central Goldfields Shire				Other
27870	Water storage - Fitzpatricks Mill site	Matlock	Mansfield Shire				Other
27878	Pioneer Mine and Water Races	Mitta Mitta	East Gippsland Shire				Other
27883	Water wheel	Murrungee	Wangaratta Rural City				Other
27885	Stoney Creek Water Channels	Ghin Ghin	Murrindindi Shire				Other
27886	Saint Ronans Well	Narbethong	Murrindindi Shire				Other
27887	Water race	Jamieson	Mansfield Shire				Other
27888	Woolshed Falls flume (remnants)	Beechworth	Indigo Shire				Other
27895	Lake Eildon	Eildon	Murrindindi Shire				Other
27898	Water tower - Wahgunyah	Wahgunyah	Indigo Shire				Other
27900	Water race - Oriental Claims Historic Area	Omeo	East Gippsland Shire				Other
27902	Water wheel battery	Chewton	Mount Alexander Shire				Other
27904	Lake Catani and weir wall	Porepunkah	Alpine Shire				Other
27905	Barambogie Spring	Chiltern	Indigo Shire				Other
27916	Murchison Waterworks Trust pump and timber control gates	Murchison	City of Greater Shepparton				Other
27951	Yarrowonga Channel	Yarrowonga	Moir Shire Council				Other
27952	Yarrowonga Weir	Yarrowonga	Moir Shire Council				Other
27953	Lake Mulwala (Yarrowonga Reservoir)	Yarrowonga	Moir Shire Council				Other
27954	Casey Weir	Benalla	Benalla Rural City Council				Other
27955	Pump engine house works (ruins)	Kyneton	Wellington Shire				Other
27956	Government bore and tank	Sale	Wellington Shire				Other
27957	Kow Swamp	Gunbower	Campaspe Shire				Other
28027	Newlyn Dam	Daylesford	Hepburn Shire				Other
28031	Spring Gully Dam	Spring Gully	Greater Bendigo				Other
28045	Evansford Dam	Clunes					Other
28056	Upper Coliban Dam	Kyneton					Other
28062	Junction Dam	Wodonga	Wodonga				Other
28063	Loombah Dam	Ryans Creek	Benalla				Other
28066	Clover Dam	Wodonga	Wodonga				Other
28068	McCay Dam	Castlemaine	Mt Alexander				Other
28070	Water tower - St James	St James	Moir Shire Council				Other
28075	Water tower - Wunghnu	Wunghnu	Moir Shire Council				Other
28076	Water tower - Pyramid Hill	Pyramid Hill	Loddon Shire				Other
28077	Water tower - Katamatite	Katamatite	Moir Shire Council				Other
28078	Water tower - Tungamah	Tungamah	Moir Shire Council				Other

Victorian Water Heritage Study

Goulburn Valley Water



Legend

Water Heritage Sites

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- Lakes and Reservoirs
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0 10 20 30 Kilometers

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Heritage
VICTORIA

CONTEXT

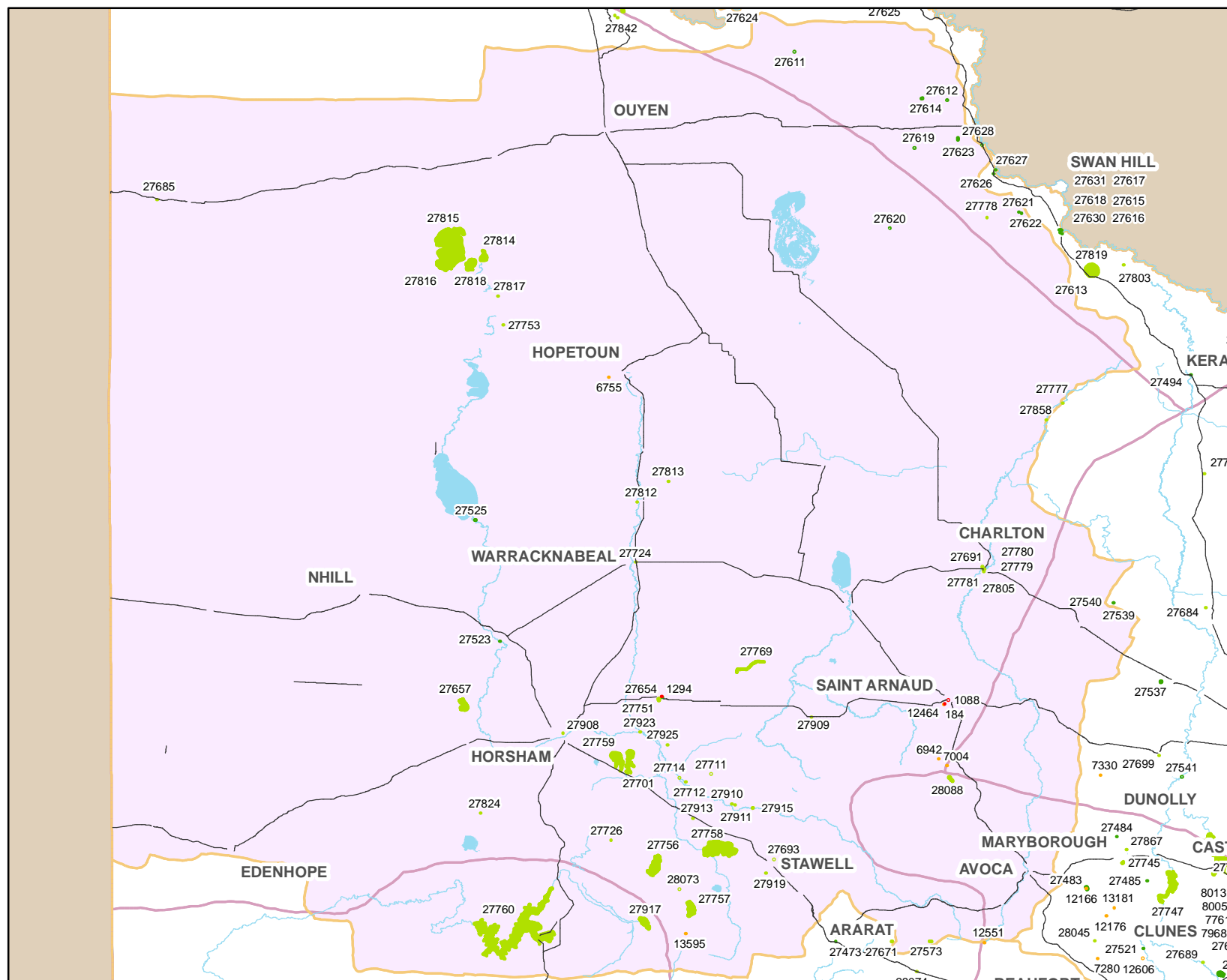
Spatial
Vision

October 2007

HERMES_ID	FEAT_NAME	SUBURB	LGA	HO_NUMBER	VHR	HI	CONTEXT_SOURCE
10527	GOULBURN RIVER WEIR		Greater Shepparton City			H7925-0017	Victorian Heritage Inventory
10737	CHAMPION WORKINGS & BATTERY SITE		Mansfield Shire			H8122-0018	Victorian Heritage Inventory
11452	Colbinabbin Community well	Colbinabbin	Campaspe Shire		H1937		Victorian Heritage Register
27480	Water tower	Kyabram	Campaspe	HO101			Heritage Overlay
27511	Water Tower	Mooroopna	Greater Shepparton City	HO472			Heritage Overlay
27515	Waterworks building and tower	Shepparton	Greater Shepparton City	HO135			Heritage Overlay
27516	Former Rodney Irrigation Trust Office (Irrigation and War Camps Museum)	Tatura	Greater Shepparton City	HO107			Heritage Overlay
27517	Cast Iron Water Tower and Tank	Tatura	Greater Shepparton City	HO116			Heritage Overlay
27518	Water Tower and Waterworks Trust buildings	Tatura	Greater Shepparton City	HO117			Heritage Overlay
27519	Former Goulburn-Murray Water Depot	Tatura	Greater Shepparton City	HO119			Heritage Overlay
27553	Water tower - Murchison	Murchison	City of Greater Shepparton				Other
27610	Goulburn Weir Complex	Nagambie	Strathbogie Shire	HO12			Heritage Overlay
27675	Rice's Weir	Barmah State Forest	Moir Shire Council				Other
27686	Steam Pump foundations	Shepparton	City of Greater Shepparton				Other
27694	Polly McQuinn's Reserve	Strathbogie	Strathbogie Shire				Other
27697	Water race	Taggerty	Murrindindi Shire				Other
27706	Water tower - Toolamba Railway Station	Toolamba	City of Greater Shepparton				Other
27717	Lake Nillahcootie	Benalla	Benalla Rural City Council				Other
27732	Stander Creek Mines (water wheel)	Woods Point	Murrindindi Shire				Other
27754	Waranga Reservoir	Rushworth	Campaspe Shire				Other
27776	Wanalta Weir						Other
27787	Pump House and Steam Pumps (site)	Cobram	Moir Shire Council				Other
27791	Water towers - Cobram	Cobram	Moir Shire Council				Other
27793	Windmill	Cobram	Moir Shire Council				Other
27795	Sunday Creek Reservoir	Clonbinane	Mitchell Shire				Other
27823	Water tower - Tongala	Tongala	Campaspe Shire				Other
27827	Murchison Waterworks Trust Historic Area	Murchison	City of Greater Shepparton				Other
27846	Loop Irrigation Channel and pump house site	Murchison	City of Greater Shepparton				Other
27847	Stuart Murray Canal	Murchison	City of Greater Shepparton				Other
27850	Cattanach Canal	Murchison South	City of Greater Shepparton				Other
27853	Underground Tank	Picola	Moir Shire Council				Other
27855	Water tower and pond - Picola	Picola	Moir Shire Council				Other
27861	Water wheel	Marysville	Murrindindi Shire				Other
27865	Riverview H2 Irrigation Flow Regulator	Kialla	City of Greater Shepparton				Other
27868	Jericho Diversion Tunnel	Matlock	Mansfield Shire				Other
27870	Water storage - Fitzpatricks Mill site	Matlock	Mansfield Shire				Other
27885	Stoney Creek Water Channels	Ghin Ghin	Murrindindi Shire				Other
27886	Saint Ronans Well	Narbethong	Murrindindi Shire				Other
27887	Water race	Jamieson	Mansfield Shire				Other
27895	Lake Eildon	Eildon	Murrindindi Shire				Other
27916	Murchison Waterworks Trust pump and timber control gates	Murchison	City of Greater Shepparton				Other
28075	Water tower - Wunghnu	Wunghnu	Moir Shire Council				Other
28077	Water tower - Katamatite	Katamatite	Moir Shire Council				Other

Victorian Water Heritage Study

Grampians Wimmera - Mallee Water (Rural)



Legend



Water Heritage Sites

- Victorian Heritage Register
- Victorian Heritage Inventory
- Heritage Overlay
- Other

Other Layers

- Highway
- Lakes and Reservoirs
- Rivers
- Rural WA Boundaries
- Urban WA Boundaries

0 10 20 30 Kilometers

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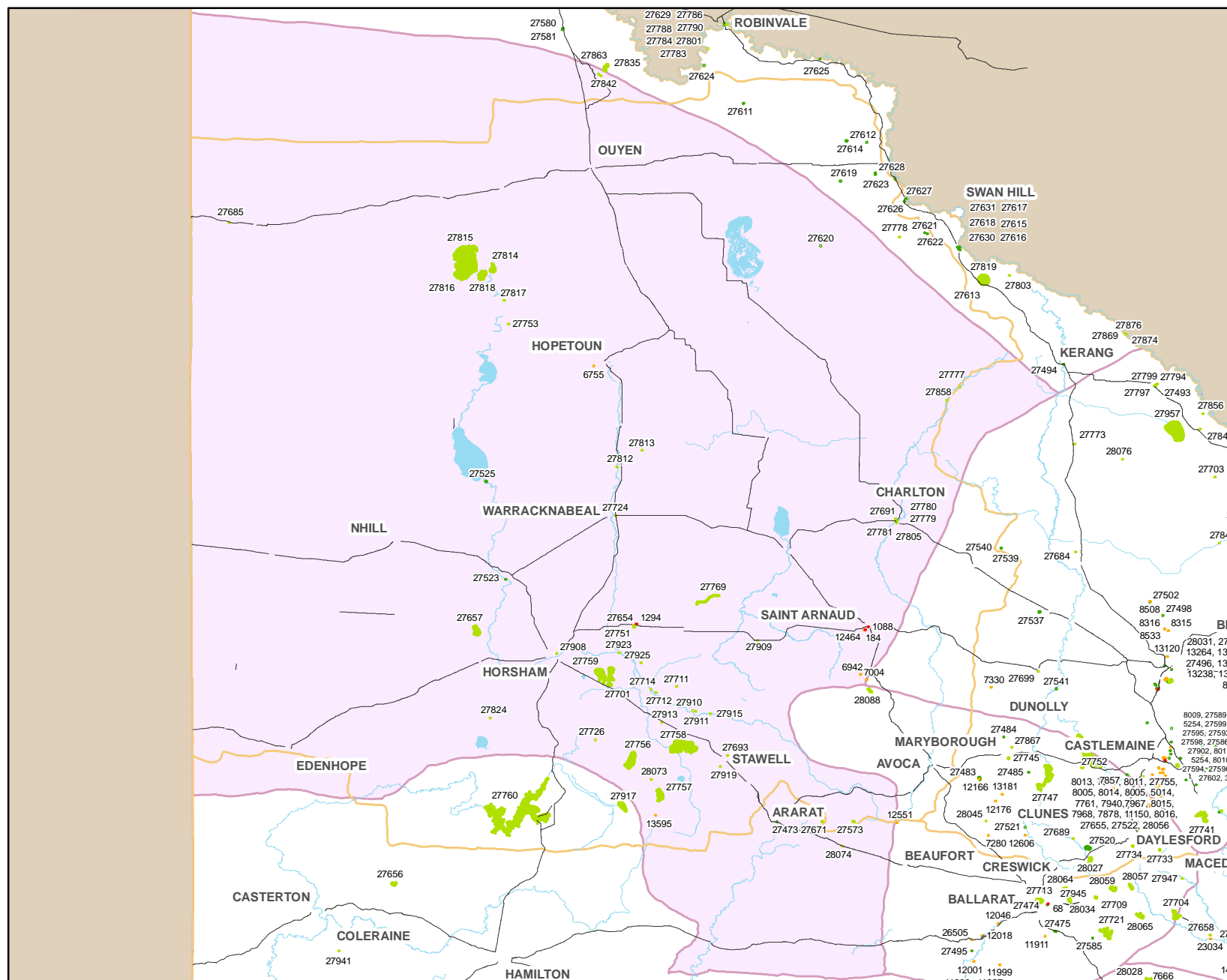


October 2007

HERMES_ID	FEAT_NAME	SUBURB	LGA	HO_NUMBER	VHR	HI	CONTEXT_SOURCE
184	Ercildoun	Pyrenees Shire	Pyrenees Shire		H0313		Victorian Heritage Register
1088	St Arnaud turntable and water tower (at Railway Station)	St Arnaud	Northern Grampians Shire		H1594		Victorian Heritage Register
1294	Former railway water tower	Murtoa	Yarriambiack Shire		H1193		Victorian Heritage Register
6755	EXPERIMENTAL ORCHARD	HOPETOUN	Yarriambiack Shire			H7326-0001	Victorian Heritage Inventory
6942	ROSTRON'S PUDDLER NO.3 AND WATER RACE	Stuart Mill	Northern Grampians Shire			H7524-0034	Victorian Heritage Inventory
7004	WATTLE FLAT WATER RACE	Stuart Mill	Northern Grampians Shire			H7524-0097	Victorian Heritage Inventory
12464	OLD ST ARNAUD RESERVOIR		Northern Grampians Shire			H7524-0100	Victorian Heritage Inventory
13595	STAWELL WATER SUPPLY SCHEME	Stawell	Northern Grampians Shire			H7423-0075	Victorian Heritage Inventory
27523	Site of first pump station	Dimboola	Hindmarsh Shire	HO40			Heritage Overlay
27525	Weir	Jeparit	Hindmarsh Shire	HO42			Heritage Overlay
27573	Mt Cole reservoir	Ararat	Ararat Rural City				Other
27611	Brydens Tank	Annuello	Swan Hill Rural City	HO1			Heritage Overlay
27612	Tank (dam)	Coonimur	Swan Hill Rural City	HO21			Heritage Overlay
27614	Possum Flat Bushland Reserve and Tank	Possum Flat	Swan Hill Rural City	HO95			Heritage Overlay
27619	Hut and channel	Tudor	Swan Hill Rural City	HO172			Heritage Overlay
27620	Tank and windmill	Waitchie	Swan Hill Rural City	HO187			Heritage Overlay
27621	Harvey's Tank	Woorinen South	Swan Hill Rural City	HO199			Heritage Overlay
27622	Public standpipe	Woorinen South	Swan Hill Rural City	HO200			Heritage Overlay
27623	Public standpipe	Woorinen South	Swan Hill Rural City	HO202			Heritage Overlay
27628	Tyntynder Channel Flume	Nyah	Swan Hill Rural City	HO55			Heritage Overlay
27654	Railway water tower	Murtoa	Yarriambiack Shire	HO41			Heritage Overlay
27657	Olivers Hill dam (Olivers Lake?)	Ararat	Ararat Rural City				Other
27685	Carina Bend Pumping Station Off-take	Carina	Mildura Rural City				Other
27691	Water tower - Charlton	Charlton	Buloke Shire				Other
27693	Trudgeon's Weir	Stawell	Northern Grampians Shire				Other
27701	Taylor's Lake	Taylor's Lake/Banyena	Horsham Rural City				Other
27711	Shillinglaw's Regulator	Gunbower Island	Campaspe Shire				Other
27712	Huddlestons Weir	Wal Wal	Northern Grampians Shire				Other
27714	Pickerings Spillway	Wal Wal	Northern Grampians Shire				Other
27724	Water tower - Warracknabeal	Warracknabeal	Yarriambiack Shire				Other
27726	Mount Zero channel system	Wartook	Northern Grampians Shire				Other
27751	Marma Lake	Murtoa	Yarriambiack Shire Council				Other
27753	Millers Tank	Wyperfeld National Park: Pine Plains	Yarriambiack Shire				Other
27756	Wartook Reservoir (Lake Wartook, Wimmera-Mallee Stock and Domestic Water Supply System)	Zumsteins	Northern Grampians Shire				Other
27757	Lake Bellfield (Bellfield Dam, Wimmera-Mallee Stock and Domestic Water Supply System)	Halls Gap	Northern Grampians Shire				Other
27758	Lake Lonsdale	Horsham	Horsham Rural City				Other
27759	Pine Lake (Wimmera-Mallee Stock and Domestic Water Supply System)	Horsham	Horsham Rural City				Other
27760	Rocklands Reservoir (Wimmera-Mallee Stock and Domestic Water Supply System)	Balmoral	Southern Grampians Shire				Other
27769	Taylor's Lake Outlet Channel		Northern Grampians Shire				Other
27778	Bulga Tank (dam) and brick channel	Bulga	Swan Hill Rural City				Other
27779	Charlton Weir	Charlton	Buloke Shire				Other
27780	First Charlton Weir (on Avoca River)	Charlton	Buloke Shire				Other
27781	Water tank	Charlton	Buloke Shire				Other
27805	Glenloth Public Tank	Glenloth	Buloke Shire				Other
27812	Jackibi-Jackibal Swamp Well complex	Jackibi-Jackibal Swamp (Home Lake)	Yarriambiack Shire				Other
27813	Well and tank site	Lake Werrebean	Yarriambiack Shire				Other
27814	Conga Wonga Tank	Pine Plains	Yarriambiack Shire				Other
27815	Timbered well	Pine Plains	Yarriambiack Shire				Other
27816	Wirrengren Plain Bore	Pine Plains	Yarriambiack Shire				Other
27817	Wells and whim	Wonga Lake	Yarriambiack Shire				Other
27818	Bucklands Tank	Wyperfeld National Park: Pine Plains	Yarriambiack Shire				Other
27824	Natimuk and Arapiles channels (Wimmera-Mallee Stock and Domestic Water Supply System)	Horsham	Horsham Rural City				Other
27858	Quambatook Weir (former)	Quambatook	Gannawarra Shire				Other
27908	State Rivers and Water Supply Commission offices	Horsham	Horsham Rural City				Other
27909	Creswick's Well	Marnoo	Northern Grampians Shire				Other
27910	Service reservoir	Kew	City of Stonnington				Other
27911	Dunmunkle Creek Diversion	Glenorchy	Northern Grampians Shire				Other
27913	Glenorchy Weir	Glenorchy	Northern Grampians Shire				Other
27915	Wimmera River-Swedes Creek cutting (Wimmera-Mallee Stock and Domestic Water Supply System)	Glenorchy	Northern Grampians Shire				Other
27917	Moora Moora Reservoir and Channel (Wimmera-Mallee Stock and Domestic Water Supply System)	Grampians National Park	Northern Grampians Shire				Other
27919	Stawell Water Supply System (Fyans Creek Weir, Mt William tunnel)	Stawell	Northern Grampians Shire				Other
27923	Longerenong Diversion (Wilson's Weir)	Longerenong	Horsham Rural City				Other
27925	Ashens Creek Diversion, Wimmera River (Corker Creek)	Marma Forest	Yarriambiack Shire				Other
28073	Hamilton Water Supply Headworks	Halls Gap	Southern Grampians				Other
28088	Teddington Reservoirs (St Arnaud Water Supply System)	Stuart Mill	Northern Grampians Shire				Other

Victorian Water Heritage Study

Grampians Wimmera - Mallee Water (Urban)



Legend



Water Heritage Sites

- Victorian Heritage Register
- Victorian Heritage Inventory
- Heritage Overlay
- Other

Other Layers

- Highway
- Lakes and Reservoirs
- Rivers
- Rural WA Boundaries
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CONTEXT

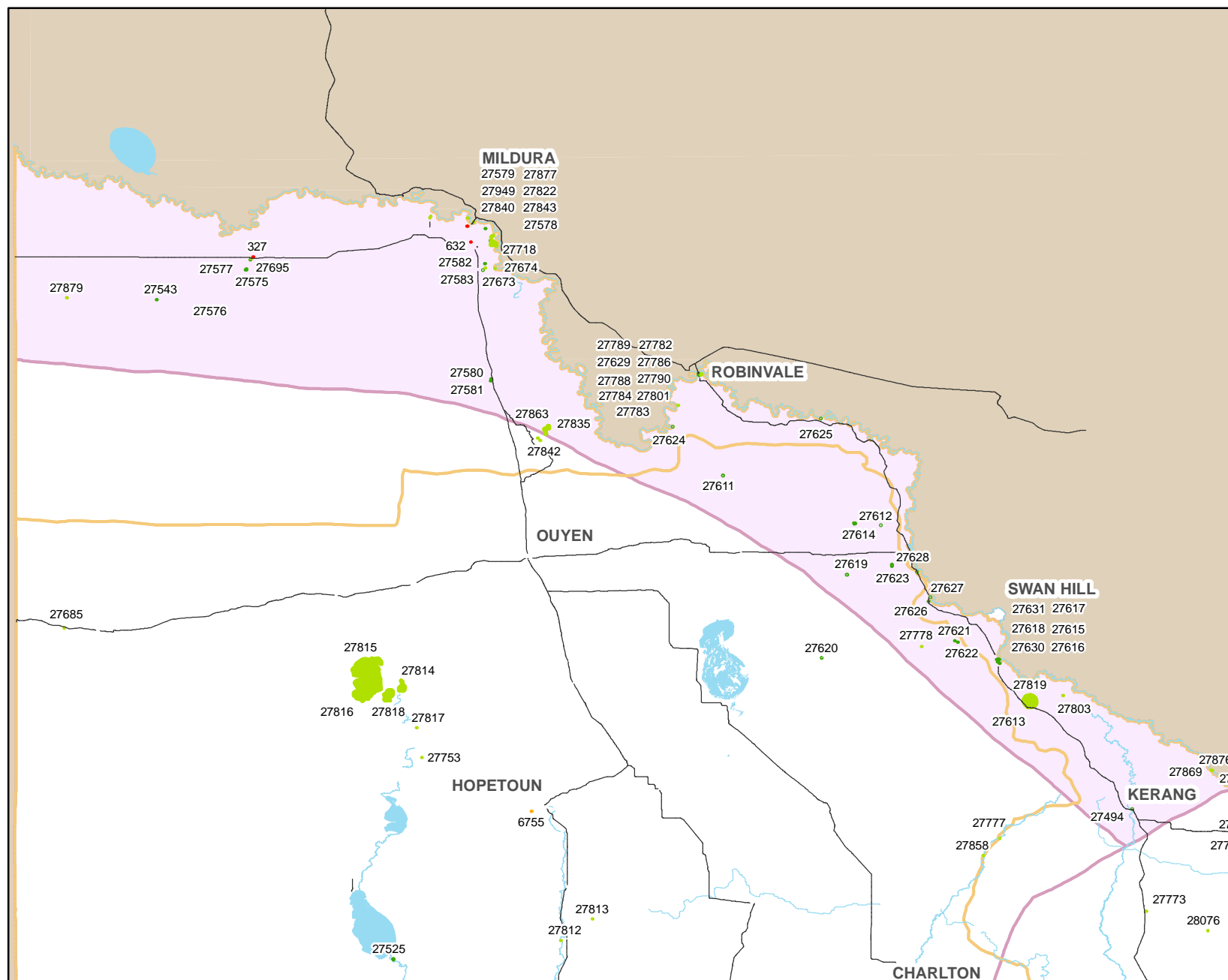
Spatial Vision

October 2007

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1294	Former railway water tower	Murtoa	Yarriambiak Shire		H1193		Victorian Heritage Register
6755	EXPERIMENTAL ORCHARD	HOPETOUN	Yarriambiak Shire			H7326-0001	Victorian Heritage Inventory
6942	ROSTRON'S PUDDLER NO.3 AND WATER RACE	Stuart Mill	Northern Grampians Shire			H7524-0034	Victorian Heritage Inventory
12464	OLD ST ARNAUD RESERVOIR		Northern Grampians Shire			H7524-0100	Victorian Heritage Inventory
13595	STAWELL WATER SUPPLY SCHEME	Stawell	Northern Grampians Shire			H7423-0075	Victorian Heritage Inventory
27473	Railway water tanks	Ararat	Ararat Rural City	HO67			Heritage Overlay
27523	Site of first pump station	Dimboola	Hindmarsh Shire	HO40			Heritage Overlay
27525	Weir	Jeparit	Hindmarsh Shire	HO42			Heritage Overlay
27573	Mt Cole reservoir	Ararat	Ararat Rural City				Other
27620	Tank and windmill	Waitchie	Swan Hill Rural City	HO187			Heritage Overlay
27654	Railway water tower	Murtoa	Yarriambiak Shire	HO41			Heritage Overlay
27657	Olivers Hill dam (Olivers Lake?)	Ararat	Ararat Rural City				Other
27671	Langi-Ghiran reservoir	Mount Langi Ghiran	Southern Grampians Shire				Other
27685	Carina Bend Pumping Station Off-take	Carina	Mildura Rural City				Other
27691	Water tower - Charlton	Charlton	Buloke Shire				Other
27693	Trudgeon's Weir	Stawell	Northern Grampians Shire				Other
27701	Taylor's Lake	Taylor's Lake/Banyena	Horsesham Rural City				Other
27711	Shillinglaw's Regulator	Gunbower Island	Campaspe Shire				Other
27712	Huddlestons Weir	Wal Wal	Northern Grampians Shire				Other
27714	Pickerings Spillway	Wal Wal	Northern Grampians Shire				Other
27724	Water tower - Warracknabeal	Warracknabeal	Yarriambiak Shire				Other
27726	Mount Zero channel system	Wartook	Northern Grampians Shire				Other
27751	Marma Lake	Murtoa	Yarriambiak Shire Council				Other
27753	Millers Tank	Wyperfeld National Park: Pine Plains	Yarriambiak Shire				Other
27756	Wartook Reservoir (Lake Wartook, Wimmera-Mallee Stock and Domestic Water Supply System)	Zumsteins	Northern Grampians Shire				Other
27757	Lake Bellfield (Bellfield Dam, Wimmera-Mallee Stock and Domestic Water Supply System)	Halls Gap	Northern Grampians Shire				Other
27758	Lake Lonsdale	Horsesham	Horsesham Rural City				Other
27759	Pine Lake (Wimmera-Mallee Stock and Domestic Water Supply System)	Horsesham	Horsesham Rural City				Other
27769	Taylor's Lake Outlet Channel		Northern Grampians Shire				Other
27777	Budgerum Weir (Madden's or Gamble's)	Budgerum	Gannawarra Shire				Other
27779	Charlton Weir	Charlton	Buloke Shire				Other
27780	First Charlton Weir (on Avoca River)	Charlton	Buloke Shire				Other
27781	Water tank	Charlton	Buloke Shire				Other
27805	Glenloch Public Tank	Glenloch	Buloke Shire				Other
27812	Jackibi-Jackibal Swamp Well complex	Jackibi-Jackibal Swamp (Home Lake)	Yarriambiak Shire				Other
27813	Well and tank site	Lake Werrebean	Yarriambiak Shire				Other
27814	Conga Wonga Tank	Pine Plains	Yarriambiak Shire				Other
27815	Timbered well	Pine Plains	Yarriambiak Shire				Other
27816	Wirrengren Plain Bore	Pine Plains	Yarriambiak Shire				Other
27817	Wells and whim	Wonga Lake	Yarriambiak Shire				Other
27818	Bucklands Tank	Wyperfeld National Park: Pine Plains	Yarriambiak Shire				Other
27824	Natimuk and Arapiles channels (Wimmera-Mallee Stock and Domestic Water Supply System)	Horsesham	Horsesham Rural City				Other
27842	Messengers Crossing Channel	Messengers Crossing	Mildura Rural City				Other
27858	Quambatook Weir (former)	Quambatook	Gannawarra Shire				Other
27863	Water tower - Hattah	Hattah	Mildura Rural City				Other
27908	State Rivers and Water Supply Commission offices	Horsesham	Horsesham Rural City				Other
27909	Creswick's Well	Marnoo	Northern Grampians Shire				Other
27910	Service reservoir	Kew	City of Stonnington				Other
27911	Dunmunkle Creek Diversion	Glenorchy	Northern Grampians Shire				Other
27913	Glenorchy Weir	Glenorchy	Northern Grampians Shire				Other
27915	Wimmera River-Swedes Creek cutting (Wimmera-Mallee Stock and Domestic Water Supply System)	Glenorchy	Northern Grampians Shire				Other
27919	Stawell Water Supply System (Fyans Creek Weir, Mt William tunnel)	Stawell	Northern Grampians Shire				Other
27923	Longerenong Diversion (Wilson's Weir)	Longerenong	Horsesham Rural City				Other
27925	Ashens Creek Diversion, Wimmera River (Corker Creek)	Marma Forest	Yarriambiak Shire				Other
28073	Hamilton Water Supply Headworks	Halls Gap	Southern Grampians				Other
28074	Water rangers house - Langi-Ghiran Reservoir	Buangor	Rural City of Ararat				Other

Victorian Water Heritage Study

Lower Murray Water



Legend



Water Heritage Sites

- Victorian Heritage Register
- Victorian Heritage Inventory
- Heritage Overlay
- Other

Other Layers

- Highway
- Lakes and Reservoirs
- Rivers
- Rural WA Boundaries
- Urban WA Boundaries

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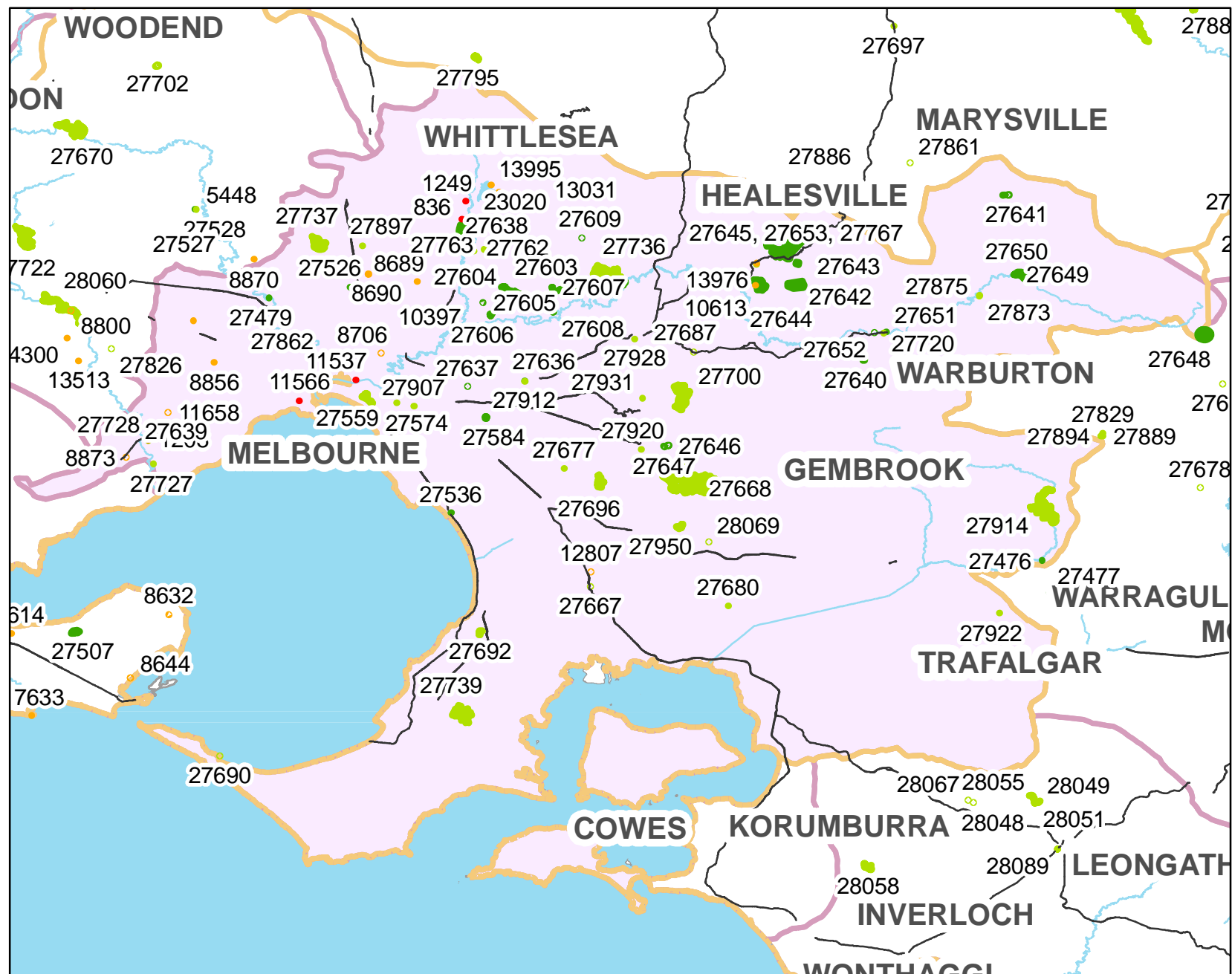


October 2007

HERMES_ID	FEAT_NAME	SUBURB	LGA	HO_NUMBER	VHR	HI	CONTEXT_SOURCE
327	Psyche Bend Pumping Station	Mildura	Rural City of Mildura		H0549		Victorian Heritage Register
327	Lock Nine Pumping Station	Cullulleraine	Rural City of Mildura		H0549		Victorian Heritage Register
632	Billabong Pumping Station	Irymple	Rural City of Mildura		H0547		Victorian Heritage Register
27494	Old Water Tower	Kerang	Gannawarra Shire	HO5			Heritage Overlay
27543	Meringur Tanks and Stands	Meringur	Mildura Rural City	HO145			Heritage Overlay
27575	Millewa A pumping station (pumping station reserve)	Millewa	Mildura Rural City	HO149			Heritage Overlay
27576	Millewa C Pumping station (Pumping station reserve)	Millewa	Mildura Rural City	HO150			Heritage Overlay
27577	Millewa Main Pumping Station Site	Millewa	Mildura Rural City	HO151			Heritage Overlay
27578	Kings Billabong pumping station residences	Nichols Point	Mildura Rural City	HO130			Heritage Overlay
27579	Nichols Point Pumping Station	Nichols Point	Mildura Rural City	HO155			Heritage Overlay
27580	Nowingi Iron Clad Catchment	Nowingi	Mildura Rural City	HO157			Heritage Overlay
27581	Nowingi Tank	Nowingi	Mildura Rural City	HO158			Heritage Overlay
27582	Red Cliffs A Re-Lift Pumping station	Red Cliffs	Mildura Rural City	HO166			Heritage Overlay
27583	Old Red Cliffs Urban Pump	Red Cliffs	Mildura Rural City	HO160			Heritage Overlay
27611	Brydens Tank	Annuello	Swan Hill Rural City	HO1			Heritage Overlay
27612	Tank (dam)	Coonimur	Swan Hill Rural City	HO21			Heritage Overlay
27613	Lake Boga Pump Memorial	Lake Boga	Swan Hill Rural City	HO40			Heritage Overlay
27614	Possum Flat Bushland Reserve and Tank	Possum Flat	Swan Hill Rural City	HO95			Heritage Overlay
27616	Water Tower	Swan Hill	Swan Hill Rural City	HO140			Heritage Overlay
27618	Water Tower	Swan Hill	Swan Hill Rural City	HO167			Heritage Overlay
27619	Hut and channel	Tudor	Swan Hill Rural City	HO172			Heritage Overlay
27621	Harvey's Tank	Woorinen South	Swan Hill Rural City	HO199			Heritage Overlay
27622	Public standpipe	Woorinen South	Swan Hill Rural City	HO200			Heritage Overlay
27623	Public standpipe	Woorinen South	Swan Hill Rural City	HO202			Heritage Overlay
27624	Pumping Station site	Coreena Bend	Swan Hill Rural City	HO23			Heritage Overlay
27625	Weir marker piles	Kyndalyn	Swan Hill Rural City	HO30			Heritage Overlay
27626	Concrete Basin	Nyah	Swan Hill Rural City	HO64			Heritage Overlay
27628	Tyntynder Channel Flume	Nyah	Swan Hill Rural City	HO55			Heritage Overlay
27629	Windmill and Pumping Station - Robinvale Urban Water Supply	Robinvale	Swan Hill Rural City	HO102			Heritage Overlay
27630	Pumping Station No. 1	Swan Hill	Swan Hill Rural City	HO151			Heritage Overlay
27631	Second Water Tower	Swan Hill	Swan Hill Rural City	HO142			Heritage Overlay
27673	Pumping Station - Red Cliffs C Re-Lift	Red Cliffs	Mildura Rural City				Other
27695	Millewa Main Pumping Station Site	Cullulleraine	Mildura Rural City				Other
27718	Kings Billabong	Billabong	Mildura Rural City				Other
27778	Bulga Tank (dam) and brick channel	Bulga	Swan Hill Rural City				Other
27782	Pumping Station - Robinvale B Re-lift	Robinvale	Swan Hill Rural City				Other
27783	Pumping Station - Robinvale C Re-lift	Robinvale	Swan Hill Rural City				Other
27784	Pumping Station - Robinvale D Re-lift	Robinvale	Swan Hill Rural City				Other
27786	Pumping Station - Robinvale E Re-lift	Robinvale	Swan Hill Rural City				Other
27788	Pumping Station - Robinvale F Re-lift	Robinvale	Swan Hill Rural City				Other
27789	Robinvale Main Channel	Robinvale	Swan Hill Rural City				Other
27790	Water tower - Robinvale	Robinvale	Swan Hill Rural City				Other
27801	Pumping Station off-take	Coreena Bend	Swan Hill Rural City				Other
27803	Fish Point Levee Bank	Fish Point	Swan Hill Rural City				Other
27819	Lake Boga Urban Water Supply	Lake Boga	Swan Hill Rural City				Other
27822	Merbein Main Channel	Merbein	Mildura Rural City				Other
27835	Lake Lockie Channel and Regulator	Lake Lockie	Mildura Rural City				Other
27840	Merbein Main Pumping Station	Merbein	Mildura Rural City				Other
27879	Pine Tank Water Storage Facility (former)	Morkalla	Mildura Rural City				Other
27949	Water tower - Mildura	Mildura	Mildura Rural City				Other

Victorian Water Heritage Study

Melbourne Urban Water



Legend

Water Heritage Sites

- Victorian Heritage Register
- Victorian Heritage Inventory
- Heritage Overlay
- Other

Other Layers

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- Lakes and Reservoirs
- Rivers
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- Urban WA Boundaries

0 4 8 12 Kilometers

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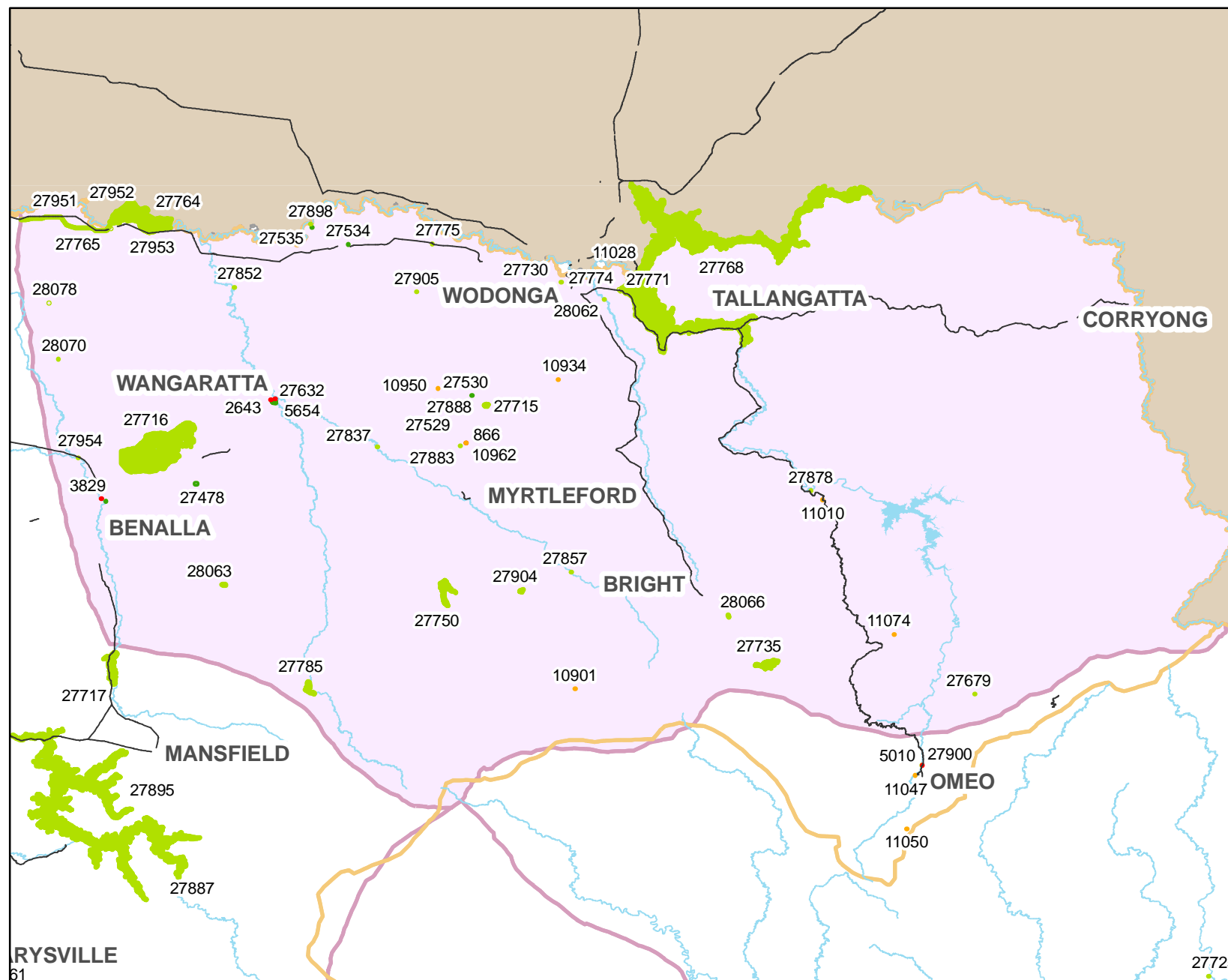
Spatial Vision

October 2007

HERMES_ID	FEAT_NAME	SUBURB	LGA	HO_NUMBER	VHR	HI	CONTEXT_SOURCE
836	Flume	Mernda	Whittlesea City		H1418		Victorian Heritage Register
1208	Water Tank	Werribee	Wyndham City		H1416		Victorian Heritage Register
1249	Yan Yean Caretaker's Cottage	Yan Yean	Whittlesea City		H1417		Victorian Heritage Register
8689	BROADMEADOWS 5		Hume City			H7822-0030	Victorian Heritage Inventory
8690	BROADMEADOWS 5A		Hume City			H7822-0031	Victorian Heritage Inventory
8706	YAN YEAN PIPE CROSSING NORTHCOE 10		Yarra City			H7822-0060	Victorian Heritage Inventory
8800	CLARKES RD FORD AND WATER RESERVE		Melton Shire			H7822-0155	Victorian Heritage Inventory
8856	BH3 WINDPUMP & DAM		Brimbank City			H7822-0216	Victorian Heritage Inventory
8873	WASTE WATER IRRIGATION DITCHES	WERRIBEE	Wyndham City			H7822-0235	Victorian Heritage Inventory
10397	YAN YEAN WATER SUPPLY	Bundoora	Whittlesea City			H7922-0203	Victorian Heritage Inventory
10613	CORANDERRK WATER RACE		Yarra Ranges Shire			H8022-0096	Victorian Heritage Inventory
11537	Overhead Water Tank	Melbourne	Melbourne City		H2117		Victorian Heritage Register
11566	former Newport Railway Workshops	Newport	City of Hobsons Bay		H1000		Victorian Heritage Register
11658	HEDLEY'S WATER RACE		Greater Bendigo City			H7824-0085	Victorian Heritage Inventory
12807	WINDMILL & WATER FEEDER	Cranbourne	Casey City			H7921-0063	Victorian Heritage Inventory
13031	YAN YEAN WATER SUPPLY SYSTEM - PIPETRACK	YAN YEAN	Various			H7922-0281	Victorian Heritage Inventory
13976	MAROONDAH AQUEDUCT		Yarra Ranges Shire			H8022-0110	Victorian Heritage Inventory
13995	Yan Yean Reservoir Inlet Test Shaft	Whittlesea	Various			H7922-0321	Victorian Heritage Inventory
23020	Yan Yean Water Supply System		Various				Other
27476	Rokeby Water Pumping Station	Rokeby	Baw Baw Shire	HO207			Heritage Overlay
27479	Milburn's Weir		Brimbank City	HO35			Heritage Overlay
27526	Commonwealth Serum Laboratories Water Tower	Broadmeadows	Hume City	HO206			Heritage Overlay
27536	Mordialloc Railway Water Tower	Mordialloc	Kingston City	HO92			Heritage Overlay
27559	Albert Park Lake	Albert Park	City of Port Phillip				Other
27574	SRWSC Head Office (former)	Armadale	City of Stonnington				Other
27584	Cypress windrows - Melbourne Water Reservoir	Mount Waverley	Monash City	HO35			Heritage Overlay
27603	Maroondah aqueduct	Christmas Hills	Nilumbik Shire	HO2			Heritage Overlay
27604	Brick domed water storage	Diamond Creek	Nilumbik Shire	HO166			Heritage Overlay
27605	Smith dam	Eltham	Nilumbik Shire	HO141			Heritage Overlay
27606	Eltham watering place reserve	Eltham	Nilumbik Shire	HO227			Heritage Overlay
27607	Garden Hill (Timber dwelling and two in-ground water tanks)	Kangaroo Ground	Nilumbik Shire	HO50			Heritage Overlay
27608	Headmaster's house and in-ground water tank at former Koorngong Experimental School	North Warrandyte	Nilumbik Shire	HO110			Heritage Overlay
27609	State Battery remains including concrete dam	Smiths Gully	Nilumbik Shire	HO164			Heritage Overlay
27636	MMBW Water Tower	Mitcham	Whitehorse City	HO119			Heritage Overlay
27637	MMBW Water Tower	Surrey Hills	Whitehorse City	HO34			Heritage Overlay
27638	Thomas Mill - Mill machinery, dam wall, water race and bluestone lane (Berry Lane)	Mernda	Whittlesea City	HO12			Heritage Overlay
27639	Water Tower and Office	Werribee	Wyndham City	HO20			Heritage Overlay
27640	Brittania Creek Weir and Falls	Brittania Creek	Yarra Ranges Shire	HO129			Heritage Overlay
27641	The Big Culvert (Cumberland Scenic Reserve)	Cambarville	Yarra Ranges Shire	HO132			Heritage Overlay
27642	Badger Creek Weir and Park	Healesville	Yarra Ranges Shire	HO156			Heritage Overlay
27643	Grace Burn Weir and Aqueduct	Healesville	Yarra Ranges Shire	HO173			Heritage Overlay
27644	Coranderrk Bushland Reserve - aboriginal station track, water race and sawmill site	Healesville	Yarra Ranges Shire	HO175			Heritage Overlay
27645	Donnelly's Creek Weir and environs	Healesville	Yarra Ranges Shire	HO177			Heritage Overlay
27646	Water Trough - Hermon's Saddle Tree reserve	Menzies Creek	Yarra Ranges Shire	HO226			Heritage Overlay
27647	Mt Evelyn Water Supply System	Mt Evelyn	Yarra Ranges Shire	HO225			Heritage Overlay
27648	Thomson-Upper Yarra aqueduct	Narracan	Yarra Ranges Shire	HO260			Heritage Overlay
27649	McVeigh's Water Wheel (Upper Yarra Reservoir Park)	Warburton	Yarra Ranges Shire	HO313			Heritage Overlay
27650	Upper Yarra Reservoir	Warburton	Yarra Ranges Shire	HO314			Heritage Overlay
27651	O'Shannassy Lodge	Warburton	Yarra Ranges Shire	HO334			Heritage Overlay
27652	O'Shannassy Weir and aqueduct	Warburton	Yarra Ranges Shire	HO335			Heritage Overlay
27653	Maroondah Reservoir: Water Supply Catchment, Reservoir and Park		Yarra Ranges Shire	HO174			Heritage Overlay
27667	Well	Cranbourne	City of Casey				Other
27668	Cardinia reservoir	Upper Beaconsfield	Cardinia Shire				Other
27677	Dandenong Water Supply Aqueduct	Rowville	City of Knox				Other
27680	Dalmore Well	Rythdale	Cardinia Shire				Other
27687	Silvan Agricultural Area	Silvan	Yarra Ranges Shire				Other
27692	Frankston Reservoir	Frankston	Frankston City				Other
27696	Lysterfield Lake weir and reservoir	Lysterfield	Yarra Ranges Shire				Other
27700	Silvan Reservoir and Park	Silvan	Yarra Ranges Shire				Other
27720	Lilydale - Warburton Railway Line: Old Water Pipe	Warburton	Yarra Ranges Shire				Other
27727	K Road Cliffs	Werribee	City of Wyndham				Other
27728	Werribee reservoir	Werribee	City of Wyndham				Other
27736	Sugarloaf Weir (Reservoir)	Goulburn Valley	Strathbogie Shire				Other
27737	Greenvale Reservoir	Greenvale	City of Hume				Other
27739	Devilbend Reservoir	Hastings West	Mornington Peninsula Shire				Other
27762	Reservoir (decommissioned)	Yarragon	Baw Baw Shire				Other
27763	Stuchbery Farm Complex (wells)	Yarrambat	Nilumbik Shire				Other
27767	Donnelly's Creek Weir, Sawpit Ck Weir, Echo Tunnel		Yarra Ranges Shire				Other
27862	Hume Pipe Company	Maribrynnong	City of Maribrynnong				Other
27873	McVeigh's Water Wheel	McMahons Creek	Yarra Ranges Shire				Other
27875	Upper Yarra Aqueduct	McMahons Creek	Yarra Ranges Shire				Other
27897	O'Herns Road Farming Complex and Ford	Epping	City of Whittlesea				Other
27907	Malvern Hill Springs	Malvern	City of Stonnington				Other
27912	Storage reservoir	Mitcham	City of Whitehorse				Other
27914	Tarago Dam	Neerim South	Baw Baw Shire				Other
27920	Belgrave Lake Park (Dandenong Reservoir)	Belgrave	Yarra Ranges Shire				Other
27922	Water tower - Drouin	Drouin	Baw Baw Shire				Other
27928	Cave Hill Water Race	Lilydale	Yarra Ranges Shire				Other
27931	Water tower - Mt Dandenong	Olinda	Yarra Ranges Shire				Other
27950	Beaconsfield Reservoir	Beaconsfield	Cardinia Shire				Other
28069	Aqueduct - Tarago Reservoir to Bunyip River		Pakenham				Other

Victorian Water Heritage Study

North East Water



Legend



Water Heritage Sites

- Victorian Heritage Register
- Victorian Heritage Inventory
- Heritage Overlay
- Other

Other Layers

- Highway
- Lakes and Reservoirs
- Rivers
- Rural WA Boundaries
- Urban WA Boundaries

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October 2007

HERMES_ID	FEAT_NAME	SUBURB	LGA	HO_NUMBER	VHR	HI	CONTEXT_SOURCE
866	Water Wheel and Mine Machinery	Murrunge	Wangaratta Rural City		H0356		Victorian Heritage Register
2643	Wangaratta Railway Station complex	Wangaratta	Wangaratta Rural City		H1597		Victorian Heritage Register
3829	Benalla Water Supply Depot	Benalla	Rural City of Benalla		H1048		Victorian Heritage Register
5654	Water Tower and Tank	Wangaratta	Wangaratta Rural City		H1833		Victorian Heritage Register
10901	BUCKLAND EAST WATER RACE	BUCKLAND JUNCTION	Alpine Shire			H8224-0050	Victorian Heritage Inventory
10934	OSBORNE'S FLAT DIVERSION SLUICE		Indigo Shire			H8225-0020	Victorian Heritage Inventory
10950	SHEEPSTATION CREEK ALLUVIAL WORKINGS		Indigo Shire			H8225-0036	Victorian Heritage Inventory
10962	WATER WHEEL & MINE MACHINERY WEONE MINE		Wangaratta Rural City			H8225-0077	Victorian Heritage Inventory
11010	GRAND JUNCTION SLUICING CLAIM		Towong Shire			H8324-0005	Victorian Heritage Inventory
11028	HUME DAM CONSTRUCTION CAMP		Wadonga City			H8325-0002	Victorian Heritage Inventory
11074	MT WILLS PROPRIETARY BATTERY SITE	North of Sunnyside	East Gippsland Shire			H8424-0018	Victorian Heritage Inventory
27478	Benalla Water Supply Depot	Benalla	Benalla Rural City	HO24			Heritage Overlay
27529	Rocky Mountain Ext GSC Water Diversion tunnel (Beechworth Historic Park BEEC216)	Beechworth	Indigo Shire	HO308			Heritage Overlay
27530	Brick Water Tower	Beechworth	Indigo Shire	HO318			Heritage Overlay
27534	Water Tower	Rutherglen	Indigo Shire	HO109			Heritage Overlay
27535	Water Tower	Wahgunyah	Indigo Shire	HO747			Heritage Overlay
27632	The Water Tower district	Wangaratta	Wangaratta Rural City	HO20			Heritage Overlay
27679	Agememon Water Race (at mine site)	Benambra	East Gippsland Shire				Other
27715	Lake Kerford	Beechworth	Indigo Shire				Other
27716	Lake Mokoan	Benalla	Benalla Rural City Council				Other
27730	Water tower - Wodonga	Wodonga	Wodonga Rural City				Other
27735	Rocky Valley Dam	Falls Creek	Alpine Shire				Other
27750	Lake Buffalo	Mount Buffalo	Alpine Shire				Other
27764	Water tower - Yarrawonga	Yarrawonga	Moir Shire Council				Other
27765	Water tower and pumping station - Yarrawonga	Yarrawonga	Moir Shire Council				Other
27768	Hume Reservoir		City of Wodonga				Other
27771	Mitta Junction Township Site	Bonegilla	Wodonga Rural City				Other
27774	Water tanks - Bonegilla	Bonegilla West	Wodonga Rural City				Other
27775	Community Pump and Well	Browns Plains	Indigo Shire				Other
27785	Lake William Hovell	Cheshunt South	Wangaratta Rural City				Other
27837	Chinese Weir remnants	Markwood	Wangaratta Rural City				Other
27852	Drainage Channel	Peechelba East	Wangaratta Rural City				Other
27857	Ovens River Diggings	Porepunkah	Alpine Shire				Other
27878	Pioneer Mine and Water Races	Mitta Mitta	East Gippsland Shire				Other
27883	Water wheel	Murrunge	Wangaratta Rural City				Other
27888	Woolshed Falls flume (remnants)	Beechworth	Indigo Shire				Other
27898	Water tower - Wahgunyah	Wahgunyah	Indigo Shire				Other
27904	Lake Catani and weir wall	Porepunkah	Alpine Shire				Other
27905	Barambogie Spring	Chiltern	Indigo Shire				Other
27951	Yarrawonga Channel	Yarrawonga	Moir Shire Council				Other
27952	Yarrawonga Weir	Yarrawonga	Moir Shire Council				Other
27953	Lake Mulwala (Yarrawonga Reservoir)	Yarrawonga	Moir Shire Council				Other
27954	Casey Weir	Benalla	Benalla Rural City Council				Other
28062	Junction Dam	Wodonga	Wodonga				Other
28063	Loombah Dam	Ryans Creek	Benalla				Other
28066	Clover Dam	Wodonga	Wodonga				Other
28070	Water tower - St James	St James	Moir Shire Council				Other
28078	Water tower - Tungamah	Tungamah	Moir Shire Council				Other

Victorian Water Heritage Study

South Gippsland Water



Legend

Water Heritage Sites

- Victorian Heritage Register
- Victorian Heritage Inventory
- Heritage Overlay
- Other

Other Layers

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- Rivers
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- Urban WA Boundaries

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CONTEXT

Spatial Vision

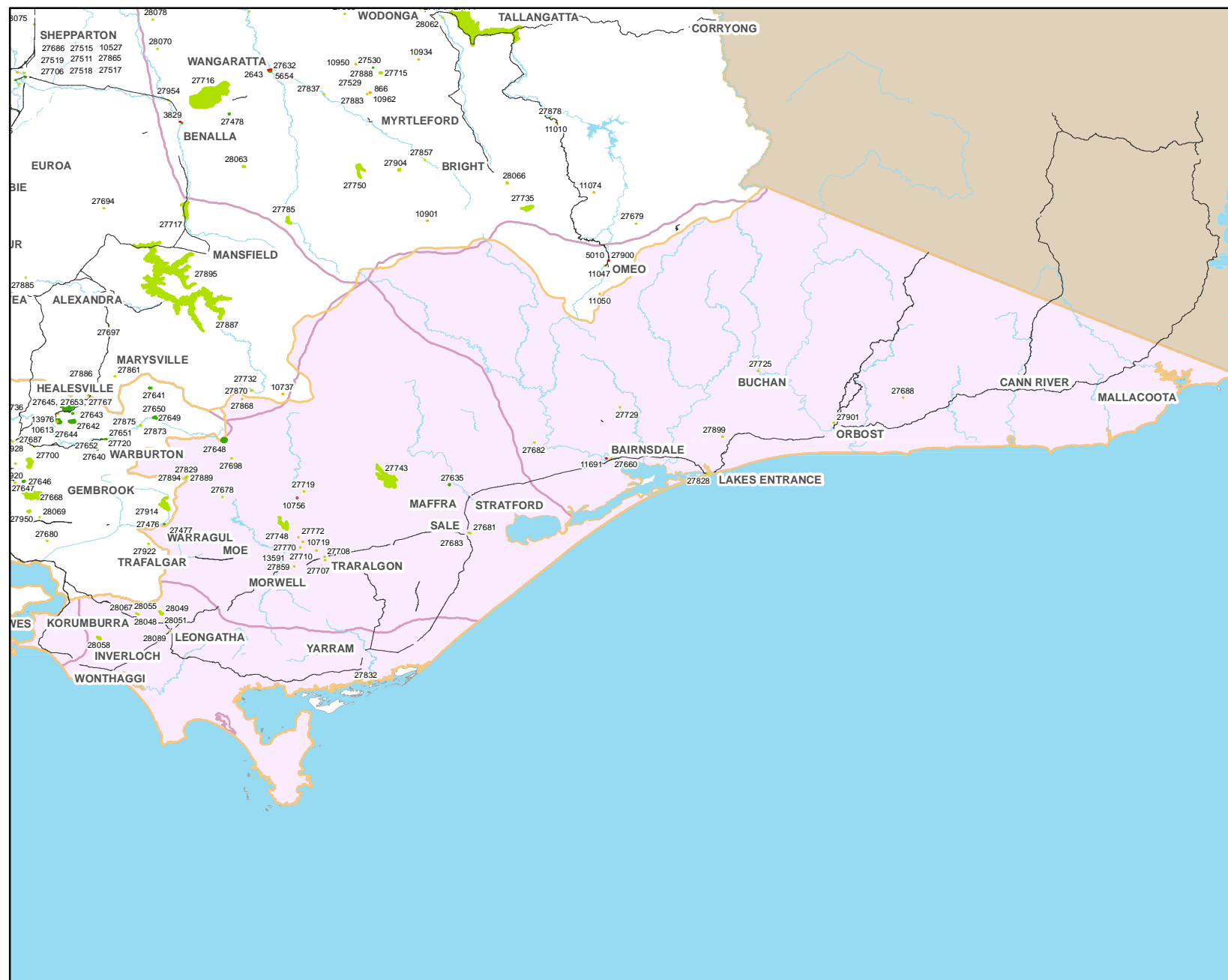
October 2007

South_Gippsland_Water

HERMES_ID	FEAT_NAME	SUBURB	LGA	HO_NUMBER	VHR	HI	CONTEXT_SOURCE
28048	Korumburra No. 1 Dam	Korumburra	South Gippsland				Other
28049	Leongatha No. 1 Dam	Leongatha North	South Gippsland				Other
28051	Leongatha No. 2 Dam	Leongatha North	South Gippsland				Other
28055	Leongatha No. 3 Dam	Leongatha North	South Gippsland				Other
28058	Lance Creek Dam	Wonthaggi	Bass Coast				Other
28067	Korumburra No. 3 Dam	Korumburra	South Gippsland				Other
28089	Bowlers Hill Holding Basin	Leongatha North	South Gippsland				Other

Victorian Water Heritage Study

Southern Rural Water - East



Legend



Water Heritage Sites

- Victorian Heritage Register
- Victorian Heritage Inventory
- Heritage Overlay
- Other

Other Layers

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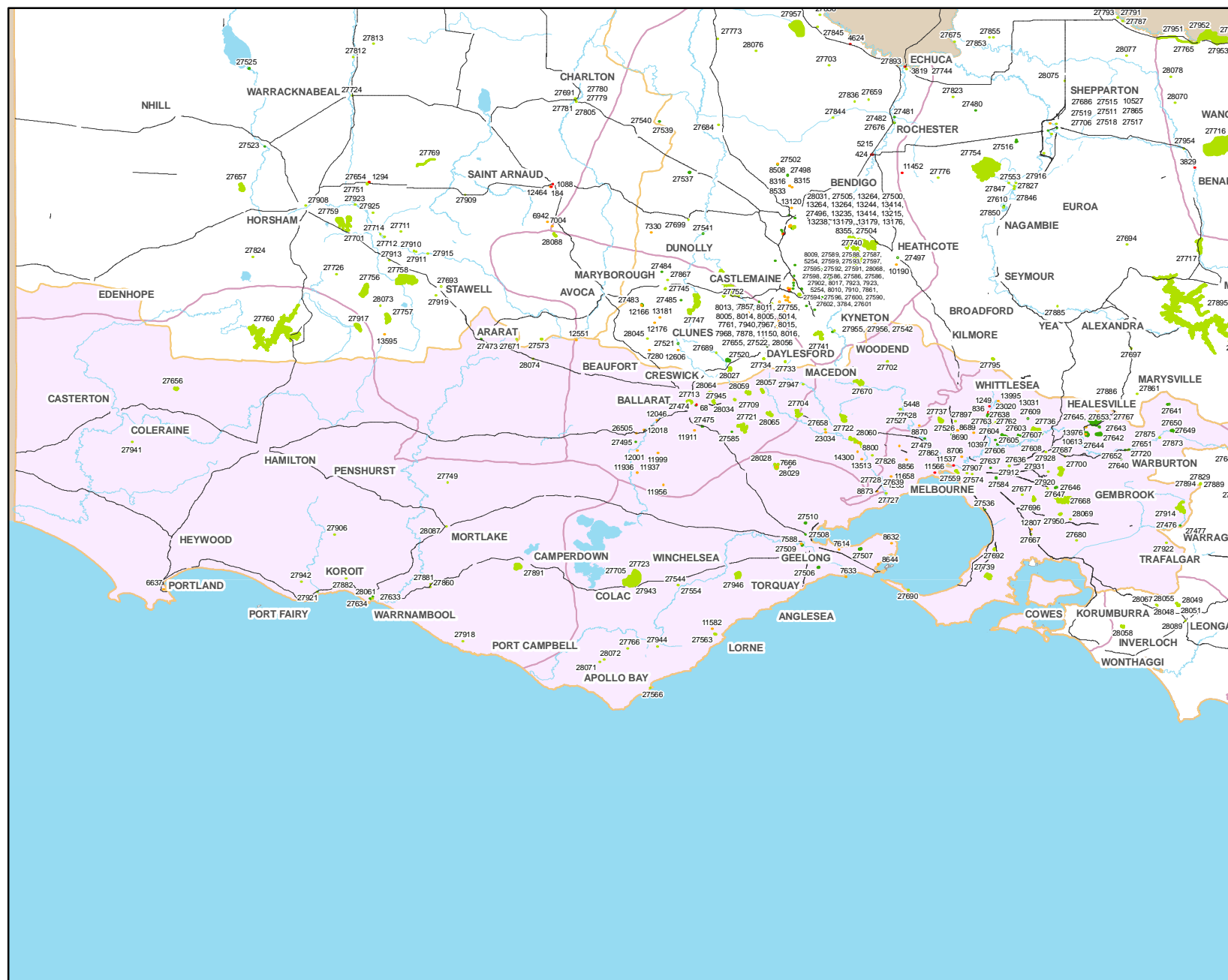
October 2007

Southern_Rural_Water_East

HERMES_ID	FEAT_NAME	SUBURB	LGA	HO_NUMBER	VHR	HI	CONTEXT_SOURCE
10719	WIRILDA TRACK		Latrobe Shire			H8121-0027	Victorian Heritage Inventory
10756	Thomson River Diversion Tunnel	Walhalla	Baw Baw Shire		H1990	H8122-0042	Victorian Heritage Register
11691	Bairnsdale Pumping Station	Bairnsdale	East Gippsland Shire		H2040		Victorian Heritage Register
13591	Yallourn Weir	Yallourn North	Latrobe City			D8121-0043	Victorian Heritage Inventory
27477	Water Supply Reservoir and Concrete Tank	Warragul	Baw Baw Shire	HO210			Heritage Overlay
27635	Boisdale Homestead, outbuildings, water tower	Maffra	Wellington Shire	HO75			Heritage Overlay
27648	Thomson-Upper Yarra aqueduct	Narracan	Yarra Ranges Shire	HO260			Heritage Overlay
27660	Water tank and plant	Bairnsdale	East Gippsland Shire				Other
27678	Russell Creek Water Races	Russell Creek	Baw Baw Shire				Other
27681	Water towers - Sale (Victoria Park)	Sale	Wellington Shire				Other
27682	Glenaladale Weir	Glenaladale	East Gippsland Shire				Other
27683	Water tower - Sale	Sale	Wellington Shire				Other
27688	Orbost Water Supply	Orbost	East Gippsland Shire				Other
27698	Old Tanjil Bren Reservoir and Tanjil Bren Reservoir	Tanjil Bren	Baw Baw Shire				Other
27707	Traralgon railway reservoir	Traralgon	Latrobe City				Other
27708	Water tower - Traralgon	Traralgon	Latrobe City				Other
27710	Traralgon Water Trust Weir	Tyers	Latrobe City				Other
27719	Water Diversion Channel	Walhalla	Baw Baw Shire				Other
27725	The Water Tree (water source)	Buchan East	East Gippsland Shire				Other
27729	German Gully and Historic Water Race	German Gully	East Gippsland Shire				Other
27743	Lake Glenmaggie	Maffra	Wellington Shire				Other
27748	Moondarra Reservoir	Moondarra	Baw Baw Shire				Other
27770	Water pipe bridge		Latrobe Shire				Other
27772	Weir		Latrobe Shire				Other
27828	Apex Park Water Bore	Lakes Entrance	East Gippsland Shire				Other
27829	Water wheel	Noojee	Baw Baw Shire				Other
27859	Water tower - Morwell	Morwell	Latrobe City				Other
27868	Jericho Diversion Tunnel	Matlock	Mansfield Shire				Other
27889	Baw Baw Water Race	Noojee	Baw Baw Shire				Other
27894	Toorong Falls Area	Noojee	Baw Baw Shire				Other
27899	Cossticks Weir	Nowa Nowa	East Gippsland Shire				Other
27901	Pump House (former)	Orbost	East Gippsland Shire				Other
28048	Korumburra No. 1 Dam	Korumburra	South Gippsland				Other
28049	Leongatha No. 1 Dam	Leongatha North	South Gippsland				Other
28051	Leongatha No. 2 Dam	Leongatha North	South Gippsland				Other
28055	Leongatha No. 3 Dam	Leongatha North	South Gippsland				Other
28058	Lance Creek Dam	Wonthaggi	Bass Coast				Other
28067	Korumburra No. 3 Dam	Korumburra	South Gippsland				Other
28089	Bowlers Hill Holding Basin	Leongatha North	South Gippsland				Other

Victorian Water Heritage Study





Southern Rural Water - West



Legend



Water Heritage Sites

-  Victorian Heritage Register
 Victorian Heritage Inventory
 Heritage Overlay
 Other

Other Layers

- Highway
- Lakes and Reservoirs
- Rivers
- ▭ Rural WA Boundaries
- ▭ Urban WA Boundaries

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Heritage
VICTORIA

CONTEXT

Spatial Vision

October 2007

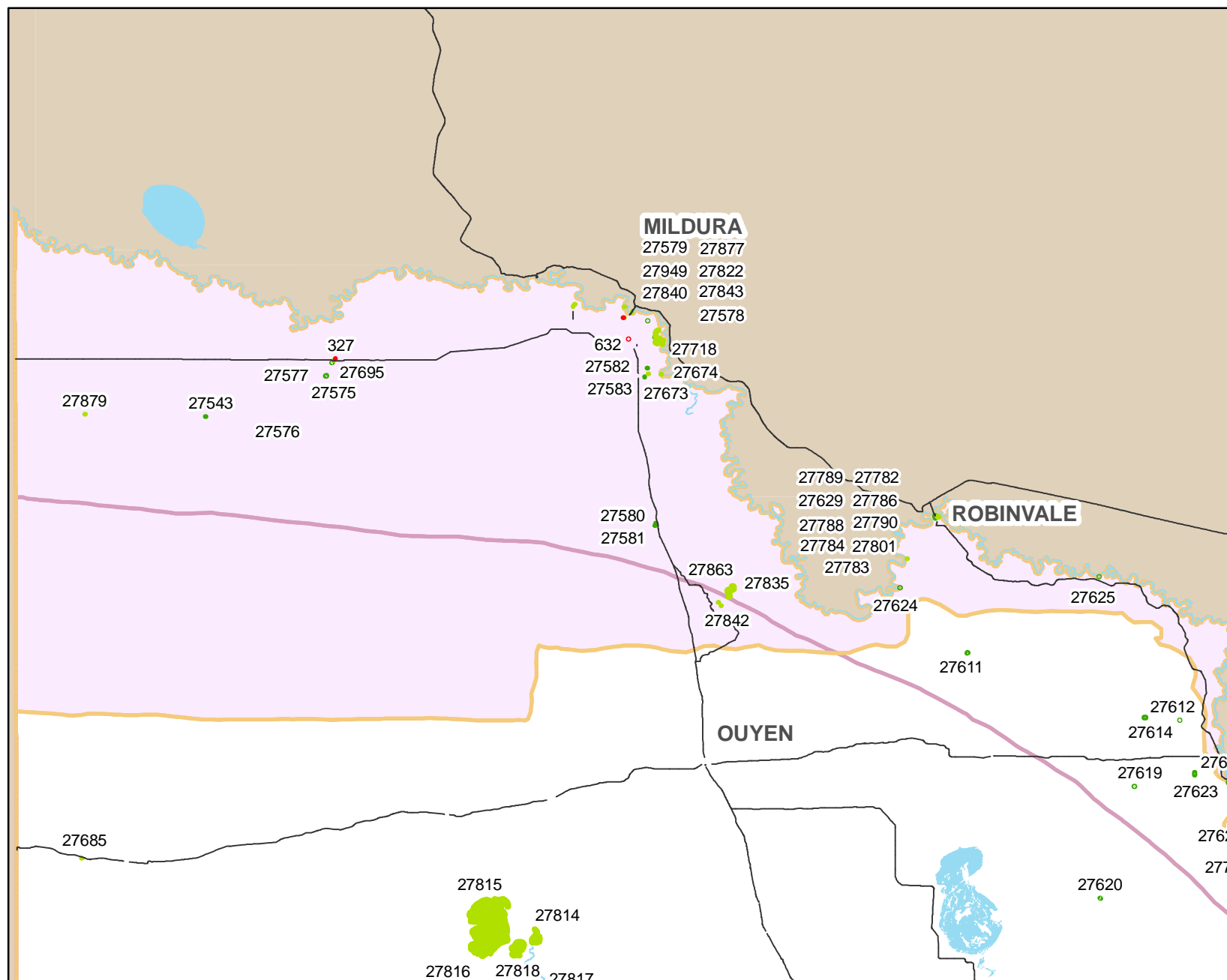
HERMES_ID	FEAT_NAME	SUBURB	LGA	HO_NUMBER	VHR	HI	CONTEXT_SOURCE
68	Ballarat Railway Complex	Ballarat East	City of Ballarat		H0902		Victorian Heritage Register
836	Flume	Mernda	Whittlesea City		H1418		Victorian Heritage Register
1208	Water Tank	Werribee	Wyndham City		H1416		Victorian Heritage Register
1249	Yan Yean Caretaker's Cottage	Yan Yean	Whittlesea City		H1417		Victorian Heritage Register
5448	Water Tower	Sunbury	Hume City				Other
6637	TOWN WELL	Portland	Glenelg Shire			H7221-0050	Victorian Heritage Inventory
7588	BUCKLEYS FALLS PUMPING STATION		Greater Geelong City			H7721-0001	Victorian Heritage Inventory
7614	WELL- 10	Leopold	City of Greater Geelong			H7721-0030	Victorian Heritage Inventory
7633	BARWON HEADS WATER STORAGE TANKS		Greater Geelong City			H7721-0062	Victorian Heritage Inventory
7666	UPPER STONY CREEK RESERVOIRS		Golden Plains Shire			H7722-0030	Victorian Heritage Inventory
8632	BARWON WATER 4 - STONE FORMATION		Greater Geelong City			H7821-0028	Victorian Heritage Inventory
8644	WATERHOLES RESERVE	Queenscliffe	City of Greater Geelong			H7821-0040	Victorian Heritage Inventory
8644	WATERHOLES RESERVE		Greater Geelong City			H7821-0040	Victorian Heritage Inventory
8689	BROADMEADOWS 5		Hume City			H7822-0030	Victorian Heritage Inventory
8690	BROADMEADOWS 5A		Hume City			H7822-0031	Victorian Heritage Inventory
8706	YAN YEAN PIPE CROSSING NORTHCOTE 10		Yarra City			H7822-0060	Victorian Heritage Inventory
8800	CLARKES RD FORD AND WATER RESERVE		Melton Shire			H7822-0155	Victorian Heritage Inventory
8800	CLARKES RD FORD AND WATER RESERVE		Melton Shire			H7822-0155	Victorian Heritage Inventory
8856	BH3 WINDPUMP & DAM		Brimbank City			H7822-0216	Victorian Heritage Inventory
8870	GLENARA WATER TOWER		Hume City			H7822-0232	Victorian Heritage Inventory
8873	WASTE WATER IRRIGATION DITCHES	WERRIBEE	Wyndham City			H7822-0235	Victorian Heritage Inventory
10397	YAN YEAN WATER SUPPLY	Bundoora	Whittlesea City			H7922-0203	Victorian Heritage Inventory
10613	CORANDERRK WATER RACE		Yarra Ranges Shire			H8022-0096	Victorian Heritage Inventory
11537	Overhead Water Tank	Melbourne	Melbourne City		H2117		Victorian Heritage Register
11566	former Newport Railway Workshops	Newport	City of Hobsons Bay		H1000		Victorian Heritage Register
11582	Erskine Weir	Lorne	Surf Coast Shire			H7620-0012	Victorian Heritage Inventory
11658	HEDLEY'S WATER RACE		Greater Bendigo City			H7824-0085	Victorian Heritage Inventory
11911	HOMEWOOD BOUND CO.		Ballarat City			H7622-0256	Victorian Heritage Inventory
11936	WOADY YALOK NO.1 CO		Golden Plains Shire			H7622-0173	Victorian Heritage Inventory
11937	WOADY YALOK NO.2		Golden Plains Shire			H7622-0174	Victorian Heritage Inventory
11956	CARR'S FREEHOLD CO.		Golden Plains Shire			H7622-0193	Victorian Heritage Inventory
11999	BIRTHDAY TUNNEL CO.	BERRINGA	Golden Plains Shire			H7622-0104	Victorian Heritage Inventory
12001	EXCHEQUER CO		Golden Plains Shire			H7622-0106	Victorian Heritage Inventory
12018	Black Hill		Golden Plains Shire			H7622-0023	Victorian Heritage Inventory
12046	Boyd's Hydraulic Sluicing Company	Smythesdale	Golden Plains Shire			H7622-0050	Victorian Heritage Inventory
12551	BASIN HUT SAWMILLS SITE, MOUNT LONARCH STATE FOREST		Pyrenees Shire			H7523-0063	Victorian Heritage Inventory
12807	WINDMILL & WATER FEEDER	Cranbourne	Casey City			H7921-0063	Victorian Heritage Inventory
13031	YAN YEAN WATER SUPPLY SYSTEM - PIPETRACK	YAN YEAN	Various			H7922-0281	Victorian Heritage Inventory
13513	FORMER WATER STORAGE TANK	MELTON SOUTH	Melton Shire			H7822-0770	Victorian Heritage Inventory
13976	MAROONDAH AQUEDUCT	Healesville	Yarra Ranges Shire			H8022-0110	Victorian Heritage Inventory
13995	Yan Yean Reservoir Inlet Test Shaft	Whittlesea	Various			H7922-0321	Victorian Heritage Inventory
14300	Eynesbury Dam 34	Melton	Melton Shire			H7822-0848	Victorian Heritage Inventory
23020	Yan Yean Water Supply System		Various				Other
23034	Underbank Stud Farm Equine and Water Management Precinct	Bacchus Marsh	Moorabool City			H7722-0060	Victorian Heritage Inventory
26505	ALLUVIAL MINING WATER RACE	LINTON	Golden Plains Shire			H7622-0435	Victorian Heritage Inventory
27473	Railway water tanks	Ararat	Ararat Rural City	HO67			Heritage Overlay
27474	Former Water and Sewerage Authority Office	Ballarat	Ballarat City	HO41			Heritage Overlay
27475	Buninyong Botanic Gardens - Gong reservoir	Buninyong	Ballarat City	HO158			Heritage Overlay
27476	Rokeby Water Pumping Station	Rokeby	Baw Baw Shire	HO207			Heritage Overlay
27479	Milburn's Weir	Keilor	Brimbank City	HO35			Heritage Overlay
27495	Stand pipe and trough	Happy Valley	Golden Plains Shire	HO65			Heritage Overlay
27506	Residence and Underground Tank, Cottage Ruins, Tank and Horse Works, Dairy Building, Water Tank and Cemetery	Connewarre	Greater Geelong City	HO1716			Heritage Overlay
27507	McLeods Water Holes Heritage Area	Drysdale	Greater Geelong City	HO1613			Heritage Overlay
27508	Barwon Water Bell Post Hill Service Basin, Trees and Valve House	Hamlyn Heights	Greater Geelong City	HO1720			Heritage Overlay
27509	Barwon Water Montpellier Basins and Water Reserve Basins 1, 2 and 3	Highton	Greater Geelong City	HO1719			Heritage Overlay
27510	Barwon Water Lovely Banks Basin	Lovely Banks	Greater Geelong City	HO1721			Heritage Overlay
27526	Commonwealth Serum Laboratories Water Tower	Broadmeadows	Hume City	HO206			Heritage Overlay
27527	Asylum Water Supply ruins	Sunbury	Hume City	HO368			Heritage Overlay
27528	Railway Water Tower at Sunbury Railway Station	Sunbury	Hume City	HO41			Heritage Overlay
27536	Mordialloc Railway Water Tower	Mordialloc	Kingston City	HO92			Heritage Overlay
27544	Allan's Crossing Weir, Colac water supply system	Barramunga	Colac-Otway Shire				Other
27554	Water tower - Birregurra railway station	Birregurra	Colac-Otway Shire				Other
27559	Albert Park Lake	Albert Park	City of Port Phillip				Other
27563	Allenvale Reservoir	Allenvale	Surf Coast Shire				Other
27566	Andersons Creek Reservoir, Apollo Bay Water Supply System	Apollo Bay	Colac-Otway Shire				Other
27574	SRWSC Head Office (former)	Armadale	City of Stonnington				Other

HERMES_ID	FEAT_NAME	SUBURB	LGA	HO_NUMBER	VHR	HI	CONTEXT_SOURCE
27584	Cypress windrows - Melbourne Water Reservoir	Mount Waverley	Monash City	HO35			Heritage Overlay
27585	Lal Lal Railway Station water tank	Lal Lal	Moorabool Shire	HO41			Heritage Overlay
27603	Maroondah aqueduct	Christmas Hills	Nilumbik Shire	HO2			Heritage Overlay
27604	Brick domed water storage	Diamond Creek	Nilumbik Shire	HO166			Heritage Overlay
27605	Smith dam	Eltham	Nilumbik Shire	HO141			Heritage Overlay
27606	Eltham watering place reserve	Eltham	Nilumbik Shire	HO227			Heritage Overlay
27607	Garden Hill (Timber dwelling and two in-ground water tanks)	Kangaroo Ground	Nilumbik Shire	HO50			Heritage Overlay
27608	Headmaster's house and in-ground water tank at former Koorong Experimental School	North Warrandyte	Nilumbik Shire	HO110			Heritage Overlay
27609	State Battery remains including concrete dam	Smiths Gully	Nilumbik Shire	HO164			Heritage Overlay
27633	Water tower and wall (Iliebig Street storage)	Warrnambool	Warrnambool City	HO118			Heritage Overlay
27634	Water tower at Warrnambool Railway Station	Warrnambool	Warrnambool City	HO127			Heritage Overlay
27636	MMBW Water Tower	Mitcham	Whitehorse City	HO119			Heritage Overlay
27637	MMBW Water Tower	Surrey Hills	Whitehorse City	HO34			Heritage Overlay
27638	Thomas Mill - Mill machinery, dam wall, water race and bluestone lane (Berry Lane)	Mernda	Whittlesea City	HO12			Heritage Overlay
27639	Water Tower and Office	Werribee	Wyndham City	HO20			Heritage Overlay
27640	Brittania Creek Weir and Falls	Brittania Creek	Yarra Ranges Shire	HO129			Heritage Overlay
27641	The Big Culvert (Cumberland Scenic Reserve)	Cambarville	Yarra Ranges Shire	HO132			Heritage Overlay
27642	Badger Creek Weir and Park	Healesville	Yarra Ranges Shire	HO156			Heritage Overlay
27643	Grace Burn Weir and Aqueduct	Healesville	Yarra Ranges Shire	HO173			Heritage Overlay
27644	Coranderrk Bushland Reserve - aboriginal station track, water race and sawmill site	Healesville	Yarra Ranges Shire	HO175			Heritage Overlay
27645	Donnelly's Creek Weir and environs	Healesville	Yarra Ranges Shire	HO177			Heritage Overlay
27646	Water Trough - Hermon's Saddle Tree reserve	Menzies Creek	Yarra Ranges Shire	HO226			Heritage Overlay
27647	Mt Evelyn Water Supply System	Mt Evelyn	Yarra Ranges Shire	HO225			Heritage Overlay
27648	Thomson-Upper Yarra aqueduct	Narracan	Yarra Ranges Shire	HO260			Heritage Overlay
27649	McVeigh's Water Wheel (Upper Yarra Reservoir Park)	Warburton	Yarra Ranges Shire	HO313			Heritage Overlay
27650	Upper Yarra Reservoir	Warburton	Yarra Ranges Shire	HO314			Heritage Overlay
27651	O'Shannassy Lodge	Warburton	Yarra Ranges Shire	HO334			Heritage Overlay
27652	O'Shannassy Weir and aqueduct	Warburton	Yarra Ranges Shire	HO335			Heritage Overlay
27653	Maroondah Reservoir: Water Supply Catchment, Reservoir and Park		Yarra Ranges Shire	HO174			Heritage Overlay
27656	Konong Wootong Reservoir	Coleraine	Southern Grampians Shire				Other
27658	Water Channels at Werribee Gorge (remnants)	Bacchus Marsh	Moorabool Shire				Other
27667	Well	Cranbourne	City of Casey				Other
27668	Cardinia reservoir	Upper Beaconsfield	Cardinia Shire				Other
27670	Rosslyne reservoir	Riddells Creek	Macedon Ranges Shire				Other
27671	Langi-Ghiran reservoir	Mount Langi Ghiran	Southern Grampians Shire				Other
27677	Dandenong Water Supply Aqueduct	Rowville	City of Knox				Other
27680	Dalmore Well	Rythdale	Cardinia Shire				Other
27687	Silvan Agricultural Area	Silvan	Yarra Ranges Shire				Other
27692	Frankston Reservoir	Frankston	Frankston City				Other
27696	Lysterfield Lake weir and reservoir	Lysterfield	Yarra Ranges Shire				Other
27700	Silvan Reservoir and Park	Silvan	Yarra Ranges Shire				Other
27702	Romsey water reserve	Romsey	Macedon Ranges Shire				Other
27704	Pykes Creek reservoir	Ballan	Moorabool Shire				Other
27705	Service Basins (Colac Water Supply System)	Elliminyt	Colac-Otway Shire				Other
27709	Beales (Beal) reservoir	Ballarat	City of Ballarat				Other
27713	Lake Wendouree (Yuille's swamp)	Ballarat	City of Ballarat				Other
27720	Lilydale - Warburton Railway Line: Old Water Pipe	Warburton	Yarra Ranges Shire				Other
27721	Lal Lal reservoir (Bungal dam)	Buninyong	City of Ballarat				Other
27722	Merrimu reservoir	Coimadai	Moorabool Shire				Other
27723	Lake Colac	Colac	Colac-Otway Shire				Other
27727	K Road Cliffs	Werribee	City of Wyndham				Other
27728	Werribee reservoir	Werribee	City of Wyndham				Other
27736	Sugarloaf Weir (Reservoir)	Goulburn Valley	Strathbogie Shire				Other
27737	Greenvale Reservoir	Greenvale	City of Hume				Other
27739	Devilbend Reservoir	Hastings West	Mornington Peninsula Shire				Other
27749	Lake used for Woorndoo water supply	Woorndoo	Moynes Shire				Other
27762	Reservoir (decommissioned)	Yarragon	Baw Baw Shire				Other
27763	Stuchbery Farm Complex (wells)	Yarrambat	Nilumbik Shire				Other
27766	Olangolah Weir (Colac Water Supply System)	Beech Forest	Colac-Otway				Other
27767	Donnellys Creek Weir, Sawpit Ck Weir, Echo Tunnel		Yarra Ranges Shire				Other
27826	Moloneys Water (Tank) Reserve	Mount Cottrell	Melton Shire				Other
27860	Water pipeline	Panmure	Moynes Shire				Other
27862	Hume Pipe Company	Maribyrnong	City of Maribyrnong				Other
27873	McVeigh's Water Wheel	McMahons Creek	Yarra Ranges Shire				Other
27875	Upper Yarra Aqueduct	McMahons Creek	Yarra Ranges Shire				Other
27881	Shenam Dam	Garvoc	Moynes Shire				Other

HERMES_ID	FEAT_NAME	SUBURB	LGA	HO_NUMBER	VHR	HI	CONTEXT_SOURCE
27882	Koroit Waterworks Trust tunnel	Koroit	Moyne Shire				Other
27891	Lake Bullenmerri	Camperdown	Corangamite Shire				Other
27897	O'Herns Road Farming Complex and Ford	Epping	City of Whittlesea				Other
27906	Springs	Hawkesdale	Moyne Shire				Other
27907	Malvern Hill Springs	Malvern	City of Stonnington				Other
27912	Storage reservoir	Mitcham	City of Whitehorse				Other
27914	Tarago Dam	Neerim South	Baw Baw Shire				Other
27918	Pipeline	Peterborough	Moyne Shire				Other
27920	Belgrave Lake Park (Dandenong Reservoir)	Belgrave	Yarra Ranges Shire				Other
27921	Concrete water tank	Port Fairy	Moyne Shire				Other
27922	Water tower - Drouin	Drouin	Baw Baw Shire				Other
27928	Cave Hill Water Race	Lilydale	Yarra Ranges Shire				Other
27931	Water tower - Mt Dandenong	Olinda	Yarra Ranges Shire				Other
27941	Mocamboro Bore, Merino Water Supply	Mocamboro	Glenelg Shire				Other
27942	Aringa Reservoir	north of Aringa	Moyne Shire				Other
27943	Colac Service Basins (Colac Water Supply System)	Colac	Colac-Otway				Other
27944	Barramunga Creek Weir and pipeline (Geelong Water Supply System)	Barramunga	Colac-Otway Shire				Other
27945	Kirks reservoir	Ballarat	City of Ballarat				Other
27946	Wurdiboluc Reservoir (Wormbete reservoir, Wurdee Boluc Reservoir)	Wurdiboluc	Surf Coast Shire				Other
27947	Point Channel	Golden Point	Mount Alexander Shire				Other
27950	Beaconsfield Reservoir	Beaconsfield	Cardinia Shire				Other
28028	Upper Stony Creek No. 1 Dam	Duridwarrah	Golden Plains				Other
28029	Lower Stony Creek Dam	Duridwarrah	Golden Plains				Other
28034	Gong Gong Reservoir	Ballarat	Ballarat				Other
28057	Korweinguboora Dam	Ballan	Moorabool				Other
28059	Moorabool Dam	Bolwarrah	Moorabool				Other
28060	Melton Dam	Melton South	Melton				Other
28061	Tank Hill Dam	Warrnambool	Warrnambool				Other
28064	White Swan Dam	Ballarat	Ballarat				Other
28065	Bostock Dam	Ballan	Moorabool				Other
28069	Aqueduct - Tarago Reservoir to Bunyip River	Pakenham	Cardinia				Other
28071	Arkins Creek Weirs	Wyelangta	Colac-Otway				Other
28072	North Otway pipeline	Wyelangta	Colac-Otway				Other
28074	Water rangers house - Langi-Ghiran Reservoir	Buangor	Rural City of Ararat				Other
28087	Water tower - Mortlake	Mortlake	Moyne Shire				Other

Victorian Water Heritage Study

Sunraysia Water



Legend



Water Heritage Sites

- Victorian Heritage Register
- Victorian Heritage Inventory
- Heritage Overlay
- Other

Other Layers

- Highway
- Lakes and Reservoirs
- Rivers
- Rural WA Boundaries
- Urban WA Boundaries

0 10 20 30 Kilometers

Disclaimer

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Heritage
VICTORIA

CONTEXT

**Spatial
Vision**

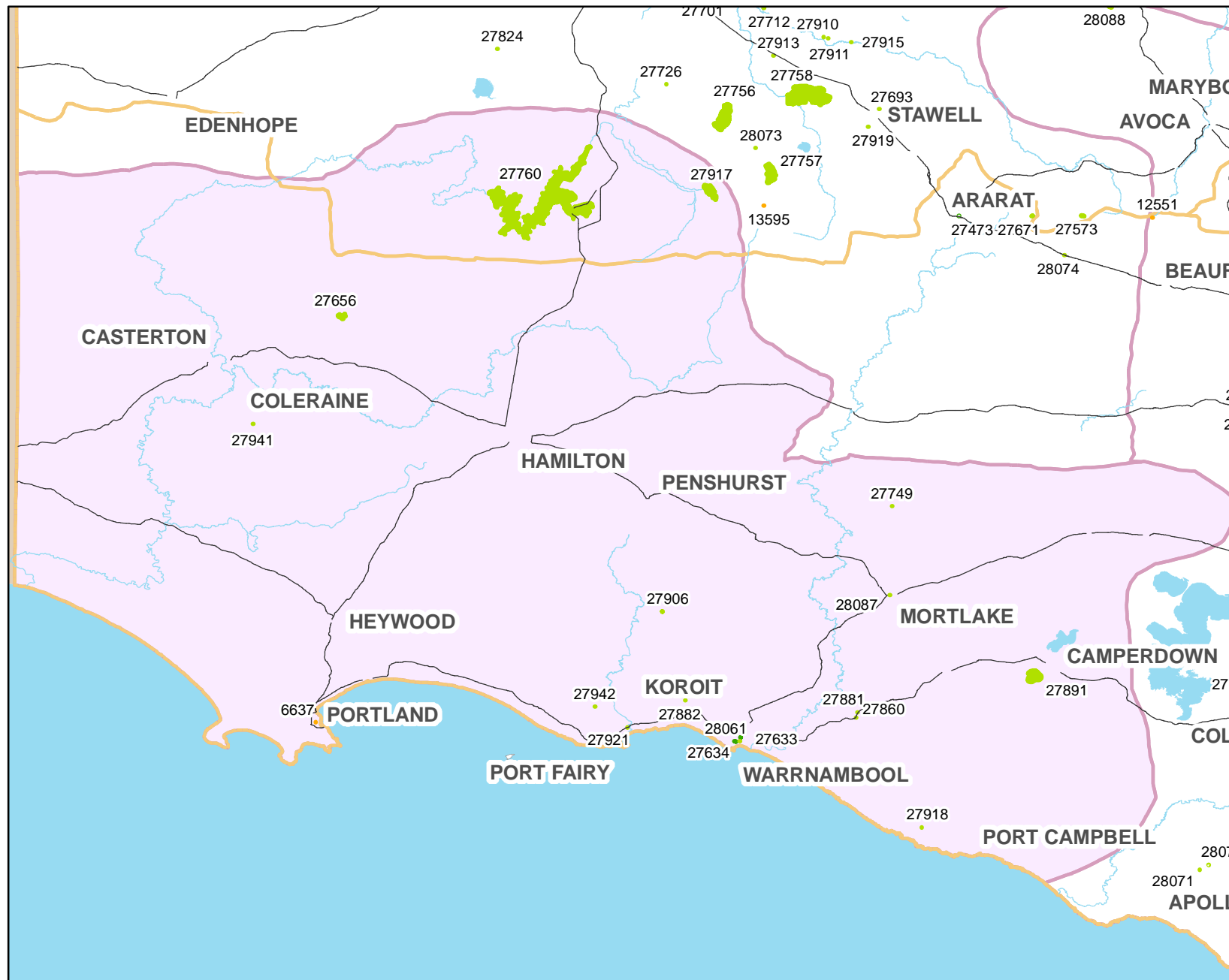
October 2007

Sunraysia_Water

HERMES_ID	FEAT_NAME	SUBURB	LGA	HO_NUMBER	VHR	HI	CONTEXT_SOURCE
327	Psyche Bend Pumping Station	Mildura	Rural City of Mildura		H0549		Victorian Heritage Register
327	Lock Nine Pumping Station	Cullulleraine	Rural City of Mildura		H0549		Victorian Heritage Register
632	Billabong Pumping Station	Irymple	Rural City of Mildura		H0547		Victorian Heritage Register
27543	Meringur Tanks and Stands	Meringur	Mildura Rural City	HO145			Heritage Overlay
27575	Millewa A pumping station (pumping station reserve)	Millewa	Mildura Rural City	HO149			Heritage Overlay
27576	Millewa C Pumping station (Pumping station reserve)	Millewa	Mildura Rural City	HO150			Heritage Overlay
27577	Millewa Main Pumping Station Site	Millewa	Mildura Rural City	HO151			Heritage Overlay
27578	Kings Billabong pumping station residences	Nichols Point	Mildura Rural City	HO130			Heritage Overlay
27579	Nichols Point Pumping Station	Nichols Point	Mildura Rural City	HO155			Heritage Overlay
27580	Nowingi Iron Clad Catchment	Nowingi	Mildura Rural City	HO157			Heritage Overlay
27581	Nowingi Tank	Nowingi	Mildura Rural City	HO158			Heritage Overlay
27582	Red Cliffs A Re-Lift Pumping station	Red Cliffs	Mildura Rural City	HO166			Heritage Overlay
27583	Old Red Cliffs Urban Pump	Red Cliffs	Mildura Rural City	HO160			Heritage Overlay
27624	Pumping Station site	Coreena Bend	Swan Hill Rural City	HO23			Heritage Overlay
27625	Weir marker piles	Kyndalyn	Swan Hill Rural City	HO30			Heritage Overlay
27629	Windmill and Pumping Station - Robinvale Urban Water Supply	Robinvale	Swan Hill Rural City	HO102			Heritage Overlay
27673	Pumping Station - Red Cliffs C Re-Lift	Red Cliffs	Mildura Rural City				Other
27695	Millewa Main Pumping Station Site	Cullulleraine	Mildura Rural City				Other
27718	Kings Billabong	Billabong	Mildura Rural City				Other
27782	Pumping Station - Robinvale B Re-lift	Robinvale	Swan Hill Rural City				Other
27783	Pumping Station - Robinvale C Re-lift	Robinvale	Swan Hill Rural City				Other
27784	Pumping Station - Robinvale D Re-lift	Robinvale	Swan Hill Rural City				Other
27786	Pumping Station - Robinvale E Re-lift	Robinvale	Swan Hill Rural City				Other
27788	Pumping Station - Robinvale F Re-lift	Robinvale	Swan Hill Rural City				Other
27789	Robinvale Main Channel	Robinvale	Swan Hill Rural City				Other
27790	Water tower - Robinvale	Robinvale	Swan Hill Rural City				Other
27801	Pumping Station off-take	Coreena Bend	Swan Hill Rural City				Other
27822	Merbein Main Channel	Merbein	Mildura Rural City				Other
27835	Lake Lockie Channel and Regulator	Lake Lockie	Mildura Rural City				Other
27840	Merbein Main Pumping Station	Merbein	Mildura Rural City				Other
27842	Messengers Crossing Channel	Messengers Crossing	Mildura Rural City				Other
27863	Water tower - Hattah	Hattah	Mildura Rural City				Other
27879	Pine Tank Water Storage Facility (former)	Morkalla	Mildura Rural City				Other
27949	Water tower - Mildura	Mildura	Mildura Rural City				Other

Victorian Water Heritage Study

Wannon Water



Legend

Water Heritage Sites

- Victorian Heritage Register
- Victorian Heritage Inventory
- Heritage Overlay
- Other

Other Layers

- Highway
- Lakes and Reservoirs
- Rivers
- Rural WA Boundaries
- Urban WA Boundaries

0 10 20 30 Kilometers

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Heritage
VICTORIA

CONTEXT

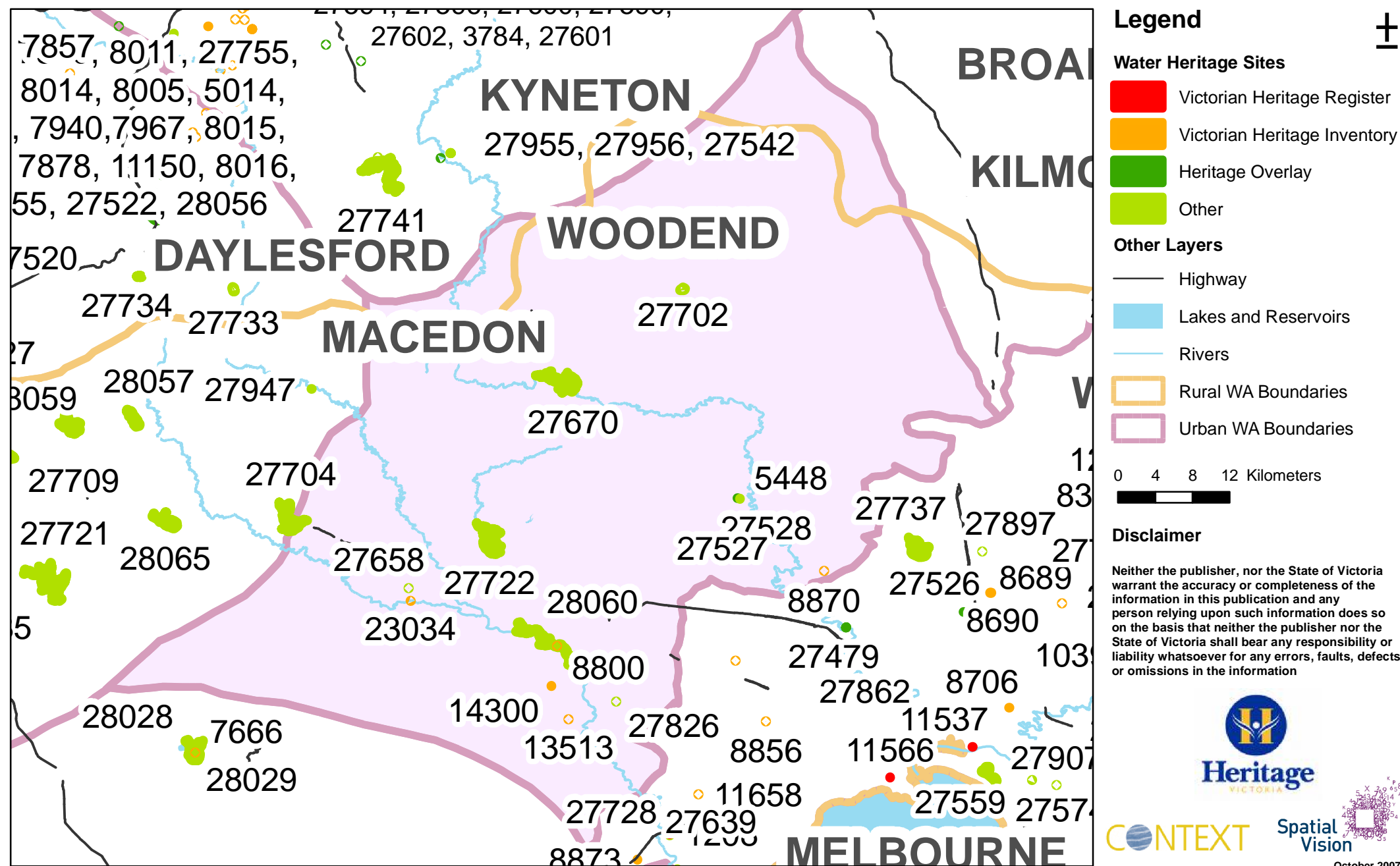
**Spatial
Vision**

October 2007

HERMES_ID	FEAT_NAME	SUBURB	LGA	HO_NUMBER	VHR	HI	CONTEXT_SOURCE
6637	TOWN WELL	Portland	Glenelg Shire			H7221-0050	Victorian Heritage Inventory
27633	Water tower and wall (liebig Street storage)	Warrnambool	Warrnambool City	HO118			Heritage Overlay
27634	Water tower at Warrnambool Railway Station	Warrnambool	Warrnambool City	HO127			Heritage Overlay
27656	Konong Wootong Reservoir	Coleraine	Southern Grampians Shire				Other
27749	Lake used for Woorndoo water supply	Woorndoo	Moyne Shire				Other
27760	Rocklands Reservoir (Wimmera-Mallee Stock and Domestic Water Supply System)	Balmoral	Southern Grampians Shire				Other
27860	Water pipeline	Panmure	Moyne Shire				Other
27881	Shenam Dam	Garvoc	Moyne Shire				Other
27882	Koroit Waterworks Trust tunnel	Koroit	Moyne Shire				Other
27891	Lake Bullenmerri	Camperdown	Corangamite Shire				Other
27906	Springs	Hawkesdale	Moyne Shire				Other
27917	Moora Moora Reservoir and Channel (Wimmera-Mallee Stock and Domestic Water Supply System)	Grampians National Park	Northern Grampians Shire				Other
27918	Pipeline	Peterborough	Moyne Shire				Other
27921	Concrete water tank	Port Fairy	Moyne Shire				Other
27941	Mocambo Bore, Merino Water Supply	Mocambo	Glenelg Shire				Other
27942	Aringa Reservoir	north of Aringa	Moyne Shire				Other
28061	Tank Hill Dam	Warrnambool	Warrnambool				Other
28087	Water tower - Mortlake	Mortlake	Moyne Shire				Other

Victorian Water Heritage Study

Western Water



HERMES_ID	FEAT_NAME	SUBURB	LGA	HO_NUMBER	VHR	HI	CONTEXT_SOURCE
5448	Water Tower	Sunbury	Hume City				Other
8800	CLARKES RD FORD AND WATER RESERVE		Melton Shire			H7822-0155	Victorian Heritage Inventory
8870	GLENARA WATER TOWER		Hume City			H7822-0232	Victorian Heritage Inventory
13513	FORMER WATER STORAGE TANK	MELTON SOUTH	Melton Shire			H7822-0770	Victorian Heritage Inventory
14300	Eynesbury Dam 34	Melton	Melton Shire			H7822-0848	Victorian Heritage Inventory
23034	Underbank Stud Farm Equine and Water Management Precinct	Bacchus Marsh	Moorabool City			H7722-0060	Victorian Heritage Inventory
27527	Asylum Water Supply ruins	Sunbury	Hume City	HO368			Heritage Overlay
27528	Railway Water Tower at Sunbury Railway Station	Sunbury	Hume City	HO41			Heritage Overlay
27658	Water Channels at Werribee Gorge (remnants)	Bacchus Marsh	Moorabool Shire				Other
27670	Rosslyne reservoir	Riddells Creek	Macedon Ranges Shire				Other
27702	Romsey water reserve	Romsey	Macedon Ranges Shire				Other
27704	Pykes Creek reservoir	Ballan	Moorabool Shire				Other
27722	Merrimu reservoir	Coimadai	Moorabool Shire				Other
27826	Moloneys Water (Tank) Reserve	Mount Cottrell	Melton Shire				Other
28060	Melton Dam	Melton South	Melton				Other

APPENDIX 6 – HERMES DATA

The following section contains place record summaries for all of the heritage places and precincts of potential significance identified in Stage 1 of the Victorian Water Supply Heritage Study. The place records are derived from the Heritage Victoria HERMES database.

Victorian Water Supply Heritage Study

Name Ararat Water Supply System

Address

File No

Grading

2007

Building Type Water Supply Precinct

Date

Assessment by

Extent of Overlay

Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held

Architectural Style No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This precinct is of potential significance:

- as it contains components already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

(For further information please refer to the individual place records of its components).

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Ashens Creek Diversion, Wimmera River (Corker Creek)	File No
Address	thought to be at the junction of the Lubeck and Ashens Channels near "Wimmralea" [no evidence was found at this location - further research necessary]	Grading 2007
Building Type	Other - Utilities - Water	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status **VHR** - **HI** - **PS** -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

Victorian Water Supply Heritage Study

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

DSE Historic Places Inventory (This inventory is an Access database held in September 2007 by the Public Assets Branch of the Department of Sustainability and Environment)

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name Ballarat Water Supply System

Address

File No

Grading

2007

Building Type Water Supply Precinct

Date

Assessment by

Extent of Overlay

Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held

Architectural Style No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This precinct is of potential significance:

- as it contains components already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

(For further information please refer to the individual place records of its components).

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name Britannia Creek Weir & Falls

Address Britannia Creek

Building Type Weir

Date

Assessment by

File No

Grading
2007

Extent of Overlay

Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of local significance. It is included in the Heritage Overlay of a municipal planning scheme. Please refer to the relevant Heritage Study for more information about the significance of the place.

Assessment Against Criteria

Victorian Water Supply Heritage Study

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name Bucklands Tank

Address

File No

Grading

2007

Building Type Water Tank

Date

Assessment by

Extent of Overlay

Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held

Architectural Style No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

(For further information please refer to Wyperfeld National Park Analysis of Historic Places 1995).

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name Colac Water Supply System

Address

File No

Grading

2007

Building Type Water Supply Precinct

Date

Assessment by

Extent of Overlay

Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held

Architectural Style No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This precinct is of potential significance:

- as it contains components already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

(For further information please refer to the individual place records of its components).

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name Coliban Water Supply System

Address

File No

Grading

2007

Building Type Water Supply Precinct

Date

Assessment by

Extent of Overlay

Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held

Architectural Style No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This precinct is of potential significance:

- as it contains components already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

(For further information please refer to the individual place records of its components).

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name Conga Wonga Tank

Address

File No

Grading

2007

Building Type Other - Utilities - Water

Date

Assessment by

Extent of Overlay

Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

(For further information please refer to Wyperfeld National Park Analysis of Historic Places 1995).

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name Creswick's Well

Address

File No

Grading

2007

Building Type Well

Date

Assessment by

Extent of Overlay

Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

The significance of this place is unknown as there is insufficient information. Further assessment is required in Stage 2.

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name First Mildura Irrigation Trust system

Address

File No

Grading

2007

Building Type Water Supply Precinct

Date

Assessment by

Extent of Overlay

Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held

Architectural Style No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This precinct is of potential significance:

- as it contains components already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

(For further information please refer to the individual place records of its components).

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name Geelong Water Supply System

Address

File No

Grading

2007

Building Type Water Supply Precinct

Date

Assessment by

Extent of Overlay

Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held

Architectural Style No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This precinct is of potential significance:

- as it contains components already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

(For further information please refer to the individual place records of its components).

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name Goulburn-Murray Irrigation District

Address

File No

Grading

2007

Building Type Water Supply Precinct

Date

Assessment by

Extent of Overlay

Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held

Architectural Style No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This precinct is of potential significance:

- as it contains components already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

(For further information please refer to the individual place records of its components).

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name Hume Pipe Company

Address

File No

Grading

2007

Building Type Water Pipe

Date

Assessment by

Extent of Overlay

Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held

Architectural Style No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Hume Reservoir	File No
Address	16km east of Albury on the Murray River	Grading 2007
Building Type	Water Supply Reservoir/ Dam	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name Jackibi-Jackibal Swamp Well complex

Address

File No

Grading

2007

Building Type Well

Date

Assessment by

Extent of Overlay

Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

(For further information please refer to Wyperfeld National Park Analysis of Historic Places 1995).

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name Lake Lockie Channel and Regulator

Address Hattah Lakes System

Building Type Water Supply Channel

Date

Assessment by

File No

Grading
2007

Extent of Overlay

Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

Inventory and Report on Historic Places in the VEAC River Red Gum Forests Investigation Area 2007)

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name Leongatha Water Supply System

Address

File No

Grading

2007

Building Type Water Supply Precinct

Date

Assessment by

Extent of Overlay

Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held

Architectural Style No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This precinct is of potential significance:

- as it contains components already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

(For further information please refer to the individual place records of its components).

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name Macalister Irrigation System

Address

File No

Grading

2007

Building Type Water Supply Precinct

Date

Assessment by

Extent of Overlay

Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held

Architectural Style No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This precinct is of potential significance:

- as it contains components already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

(For further information please refer to the individual place records of its components).

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name Maroondah Reservoir: Water Supply Catchment,
Reservoir and Park

File No

Address

Grading
2007

Building Type Water Supply Reservoir/ Dam

Date

Assessment by

Extent of Overlay

Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of local significance. It is included in the Heritage Overlay of a municipal planning scheme. Please refer to the relevant Heritage Study for more information about the significance of the place.

Assessment Against Criteria

Victorian Water Supply Heritage Study

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name Maroondah Water Supply System

Address

File No

Grading

2007

Building Type Irrigation Channel/Canal

Date

Assessment by

Extent of Overlay

Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held

Architectural Style No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This precinct is of potential significance:

- as it contains components already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

(For further information please refer to the individual place records of its components).

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name Merbein irrigation system

Address

File No

Grading

2007

Building Type Water Supply Precinct

Date

Assessment by

Extent of Overlay

Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held

Architectural Style No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This precinct is of potential significance:

- as it contains components already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

(For further information please refer to the individual place records of its components).

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name Messengers Crossing Channel

Address Hattah Lakes System

Building Type Water Supply Channel

Date

Assessment by

File No

Grading
2007

Extent of Overlay

Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

(Inventory and Report on Historic Places in the VEAC River Red Gum Forests Investigation Area 2007)

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Millers Tank	File No
Address	Western side of Millers Point, on western edge Wirrengren Plain, Wyperfeld National Park: Pine Plains	Grading 2007
Building Type	Irrigation Channel/Canal	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or

Victorian Water Supply Heritage Study

- as a key place associated with an important theme in Victoria's water supply heritage.

(For further information please refer to Wyperfeld National Park Analysis of Historic Places 1995)

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Moora Moora Reservoir and Channel	File No
Address	Glenelg River Road, Grampians National Park	Grading 2007
Building Type	Water Supply Reservoir/ Dam Water Supply Channel	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status **VHR** - **HI** - **PS** -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or

Victorian Water Supply Heritage Study

- as a key place associated with an important theme in Victoria's water supply heritage.

(For further information please refer to Wimmera-Mallee Stock and Domestic Water Supply System (1996)

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name Nyah irrigation system

Address

File No

Grading

2007

Building Type Water Supply Precinct

Date

Assessment by

Extent of Overlay

Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held

Architectural Style No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This precinct is of potential significance:

- as it contains components already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

(For further information please refer to the individual place records of its components).

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name O'Shannassy Water Supply System

Address

File No

Grading

2007

Building Type Water Supply Precinct

Date

Assessment by

Extent of Overlay

Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This precinct is of potential significance:

- as it contains components already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

(For further information please refer to the individual place records of its components).

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name Red Cliffs irrigation system

Address

File No

Grading

2007

Building Type Water Supply Precinct

Date

Assessment by

Extent of Overlay

Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held

Architectural Style No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This precinct is of potential significance:

- as it contains components already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

(For further information please refer to the individual place records of its components).

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name Robinvale irrigation system

Address

File No

Grading

2007

Building Type Water Supply Precinct

Date

Assessment by

Extent of Overlay

Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held

Architectural Style No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This precinct is of potential significance:

- as it contains components already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

(For further information please refer to the individual place records of its components).

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Russell Creek Water Races	File No
Address	Russell Creek	Grading 2007
Building Type	Other - Utilities - Water	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status **VHR** - **HI** - **PS** -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

(For further information please refer to Baw Baw Heritage Study 2005)

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Shillinglaw's Regulator	File No
Address	Gunbower Island junction of Five Sleeper Track and River Track	Grading 2007
Building Type	Other - Utilities - Water	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status **VHR** - **HI** - **PS** -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

(For further information please refer to DSE Historic Places Inventory (This inventory is an Access database held in September 2007 by the Public Assets Branch of the Department of Sustainability and Environment).

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name Silvan Water Supply System

Address

File No

Grading

2007

Building Type Water Supply Precinct

Date

Assessment by

Extent of Overlay

Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This precinct is of potential significance:

- as it contains components already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

(For further information please refer to the individual place records of its components).

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name SRWSC Bridges

Address

File No

Grading

2007

Building Type Other - Utilities - Water

Date

Assessment by

Extent of Overlay

Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

The bridges are of potential significance as examples of the flat slab concrete bridges pioneered by the State Rivers and Water Supply Commission (SRWSC), and their importance to the early irrigation systems in the region. Further assessment is required in Stage 2 of this study.

Assessment Against Criteria

SRWSC Bridges

01-Nov-2007

6:21 pm

Hermes No 27565

Place Citation Report

Victorian Water Supply Heritage Study

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name Stawell Water Supply System

Address

File No

Grading

2007

Building Type Water Supply Precinct

Date

Assessment by

Extent of Overlay

Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held

Architectural Style No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This precinct is of potential significance:

- as it contains components already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

(For further information please refer to the individual place records of its components).

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name Timbered Well

Address

File No

Grading

2007

Building Type Well

Date

Assessment by

Extent of Overlay

Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

(For further information please refer to Wyperfeld National Park Analysis of Historic Places 1995).

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name Upper Yarra Water Supply System

Address

File No

Grading

2007

Building Type Water Supply Precinct

Date

Assessment by

Extent of Overlay

Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held

Architectural Style No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This precinct is of potential significance:

- as it contains components already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

(For further information please refer to the individual place records of its components).

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name Warrnambool Water Supply System

Address

File No

Grading

2007

Building Type Water Supply Precinct

Date

Assessment by

Extent of Overlay

Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This precinct is of potential significance:

- as it contains components already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

(For further information please refer to the individual place records of its components).

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Water pipe bridge	File No
Address	crossing Latrobe river on the road between Traralgon and Tyers	Grading 2007
Building Type	Water Pipe Other - Utilities - Water	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status **VHR** - **HI** - **PS** -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

The significance of this place is unknown as there is insufficient information. Further assessment is required in Stage 2.

Assessment Against Criteria

Victorian Water Supply Heritage Study

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Weir	File No
Address	Tyers River at Wirilda Park, between Tyers and Yallourn North	Grading 2007
Building Type	Weir	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status **VHR** - **HI** - **PS** -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

The significance of this place is unknown as there is insufficient information. Further assessment is required in Stage 2.

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name Weir marker piles
Address Murray River
Building Type Other - Utilities - Water
Date
Assessment by

File No
Grading
2007

Extent of Overlay
Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of local significance. It is included in the Heritage Overlay of a municipal planning scheme. Please refer to the relevant Heritage Study for more information about the significance of the place.

Assessment Against Criteria

Victorian Water Supply Heritage Study

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name Well & Tank Site

Address

File No

Grading

2007

Building Type Well

Date

Assessment by

Extent of Overlay

Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

(For further information please refer to Wyperfeld National Park Analysis of Historic Places 1995).

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name Wells & Whim

Address

File No

Grading

2007

Building Type Well

Date

Assessment by

Extent of Overlay

Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held

Architectural Style No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

(For further information please refer to Wyperfeld National Park Analysis of Historic Places 1995).

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name Werribee River irrigation system

Address

File No

Grading

2007

Building Type Water Supply Precinct

Date

Assessment by

Extent of Overlay

Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held

Architectural Style No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This precinct is of potential significance:

- as it contains components already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

(For further information please refer to the individual place records of its components).

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name Wimmera Mallee Water Supply System

Address

File No

Grading

2007

Building Type Water Supply Precinct

Date

Assessment by

Extent of Overlay

Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held

Architectural Style No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This precinct is of potential significance:

- as it contains components already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

(For further information please refer to the individual place records of its components).

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name Wirrengren Plain Bore

Address

File No

Grading

2007

Building Type Other - Utilities - Water

Date

Assessment by

Extent of Overlay

Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held

Architectural Style No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

(For further information please refer to Wyperfeld National Park Analysis of Historic Places 1995).

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name Yan Yean Water Supply System

Address

File No

Grading

2007

Building Type Irrigation Channel/Canal

Date

Assessment by

Extent of Overlay

Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

A Conservation Management Plan for the Yan Yean Water Supply System, has been prepared for Melbourne Water and as part of this process the whole of the Yan Yean system has been nominated for inclusion on the VHR. Hermes records have been created for individual features as well as precincts and the overall system.

The components of the system are:

Victorian Water Supply Heritage Study

Clearwater Channel Aqueduct - Hermes ID 22846 Pipe Reserve - Morang to Preston - Hermes ID 22867 Pipe Reserve - Preston to Merri Creek- Hermes ID 22881 Pipe Reserve - Yan Yean to Morang- Hermes ID 22862 Preston Reservoir complex- Hermes ID 22872 Silver Creek & Wallaby Creek systems- Hermes ID 22830 Toorourrong Reservoir- Hermes ID 22842 Yan Yean Reservoir- Hermes ID 22853

The following Statement of Significance is a direct extract from the Yan Yean Water Supply System Conservation Management Plan (Melbourne Water, 2007: Hermes ID 23020):

What is Significant?

The Yan Yean Water Supply system comprises a range of different components and sections, including (from north to south): Silver Creek and Wallaby Creek weirs and aqueducts, The Cascades, Jacks Creek and Jacks Creek Deviation Channel, Toorourrong Reservoir, Clearwater Channel, Yan Yean Reservoir, Morang 'aqueduct' & pipe track, Pipehead Reservoir, Yan Yean pipe track (Pipehead Reservoir to Preston Reservoir), Preston Reservoir complex, and Yan Yean pipe track (Preston Reservoir to Merri Creek).

After the establishment of Melbourne in 1835, there were increasing problems with the quality of the water supply as the population increased. The water supply was drawn from the Yarra River at various points upstream of the city. Two events that occurred in July 1851 greatly affected Melbourne and its water supply. They were the separation of Victoria from New South Wales and the discovery of gold at Warrandyte near Melbourne. The first enabled the new Government of Victoria to directly borrow money for public works, and the second led to a large increase in the population of Melbourne, and consequently, Victoria.

In 1850, James Blackburn, City Surveyor, reported to the Melbourne City Council that an abundant source of water could be obtained from the streams of the Mt. Disappointment area to the north of the city and proposed a gravity-fed water supply drawn from a reservoir to be constructed near Whittlesea. The Blackburn proposal and another by King (which proposed a more conventional mechanical pumping station supplying a reservoir near Dight's Falls closer to the city) were assessed by Clement Hodgkinson and later by Matthew Jackson, appointed as engineer in charge of establishing water supply. Blackburn's scheme was recommended with some changes, which included increasing capacity of the reservoir to serve a city of 200,000.

The first sod for the Yan Yean reservoir was turned by Governor La Trobe in December 1853 and the system was completed four years later in 1857 when the Yan Yean water supply was turned on at the Carlton Gardens valve house. The system then comprised the reservoir and caretaker's residence at Yan Yean and a pipe track to the city that followed road reservations along Nicholson Street, St George's Road and Plenty Road. Valve houses were constructed at two locations to reduce the build up of pressure in the pipes. From the time of separation (in 1851) to the completion of the system in 1857, the population of Melbourne had already grown from 23,000 to 110,000.

The better quality of the water supplied almost certainly improved the health of the city and reduced the incidence of 'colonial fever' or typhoid, though in the first two decades of its operations the Yan Yean system was plagued with problems of water quality and quantity. To overcome this, refinements were made to the system during the latter decades of the nineteenth century. In 1864 a holding reservoir was constructed at Preston to regulate supply pressure of water to the city and prevent stagnation in the pipes overnight, and in 1875 the pipe from the reservoir to Morang was replaced with an open aqueduct that fed to a small holding reservoir. The removed pipe was used to duplicate the pipeline between Morang and Preston. Perhaps the most significant additions to the system came in the 1880s when a weir was built on Wallaby Creek, which fed water via an aqueduct system to the Yan Yean reservoir via Jack's Creek. This included the construction of Clearwater Channel to avoid the polluted section of the Plenty River near Whittlesea. In 1886 a second reservoir was constructed below the Jack's Creek junction to allow sediment to settle before water

entered the Clearwater Channel and a further weir was constructed at Silver Creek, which was linked to the Wallaby Weir via an aqueduct.

By the 1890s Melbourne's population had grown significantly and the system had reached its limit. To augment the Yan Yean system a new separate water supply system was established with the construction of a weir at the Watts River near Healesville. Water was brought by the Maroondah aqueduct, which joined the Yan Yean pipe track at the Junction Basin. In the twentieth century a series of new and much larger reservoirs at increasing distances from Melbourne would be built to serve the city's increasing water supply needs.

The Yan Yean system has been continually in use since it was established and much of the infrastructure constructed in the nineteenth century remains in use today. However, as a result of the addition of new systems in the twentieth century it now supplies only 3% of Melbourne's water.

How is it Significant?

The Yan Yean system is of historic, aesthetic, social, archaeological and technical significance to the State of Victoria.

Why is it Significant?

The Yan Yean system is historically significant because:

- . It is the oldest continually-operating, engineered water supply system serving a major urban centre in Australia. It still operates largely according to its original design and remains an important component of the city water supply.

- . It is an extraordinary feat of forward planning, and one that has had few parallels then or since.

Built to serve a population far in advance of that existing at the time it was completed, it demonstrates the entrepreneurial intentions associated with Melbourne's foundation and settlement and the water-supply capacity installed supported the rapid development of Melbourne in the wake of the gold rush.

- . It provides evidence of the existing expectations of further extensive European settlement prevailing at the time that the system was designed. In this regard, it places the development of Melbourne into the context of world emigration patterns in the nineteenth century by demonstrating that the colonial authorities were aware of these trends and consciously planned to accommodate them.

- . It is one of the first 'remote' water supply system for a major urban centre in Australia and, as such, it essentially served as a prototype for later systems such as the Upper Nepean Scheme at Sydney. Lessons learnt at Yan Yean were used to make improvements that benefited these later systems.

- . It provides important evidence (including archaeological remains) of how Melbourne's water supply has been developed and augmented over a 150-year period. Much of the original fabric remains and is still in use and, apart from some upgrading, has changed little in its basic principles since the day it was completed.

- . It has strong associations with people and organisations who were important in the development of Melbourne and Victoria, and in the provision of water supply systems in Australia. These include James Blackburn who designed the original scheme, Clement Hodgkinson, who recommended it and Matthew Jackson who implemented it. Others associated with the construction of the system included Charles Oldham and Joseph Brady, both of whom went to design and supervise other water supply systems in Australia.

It has associations with the development of State authorities to control the planning, development and management of water supplies in Victoria, including the and, later, the Melbourne & Metropolitan Board of Works.

The Yan Yean system is aesthetically significant because:

. It demonstrates some fine examples of craftsmanship and skill evident in those structures, most of which are still operating effectively today. The buildings and structures associated with the early development of the Yan Yean system demonstrate a deliberately monumental architectural stylisation, which contrasts with the modern, functionalist approach to such structures adopted in later years. The Yan Yean system is a symbol of the period when infrastructure projects were a matter of considerable State investment and community pride and this is expressed in the architecture of its visible components.

. The channels, pipe tracks, bridges and aqueducts with their associated landscaping and related elements such as mature trees and drystone walls are a distinctive element in the cultural landscape along the length of the system from Whittlesea to Northcote.

The Yan Yean system is technically significant because:

. It illustrates the major advance in water supply technology from depending on local water sources to harvesting water in remote catchment areas, storing it in dams and transporting it to the city by means of aqueducts and pipelines utilising gravity rather than machinery. The successful use of gravity descent to deliver water to a site over fifty kilometres (direct) away under all conditions represents a significant technical accomplishment as a feat of land surveying utilising the relatively simple optical instruments of the era. It was also unusual as the Yan Yean reservoir was an 'off-stream' storage with a controlled supply from the Plenty River.

. It provides extensive evidence of the evolution of engineering practices and techniques in the mid to late nineteenth century, for example, from the original use of cast-iron pipes, through wrought-iron to steel, then reinforced concrete pipes; or, similarly, from the original use of general river water to the specific exclusion of all river water except that from a protected catchment.

. It provides detailed and varied evidence of engineering construction techniques prior to the revolution inspired by concrete construction, which was used extensively in water supply systems built later in the century. It incorporates early technical elements not required in other systems, such as in-line pressure reducing valves and engineered cascades to aerate incoming water.

. Reservoir No 2 at Preston is an early example of the use of reinforced concrete for a large water storage reservoir, a material that became largely standard for this use in subsequent years. Situated adjacent to original bluestone-lined reservoir, it illustrates the advances in construction technology from the nineteenth to the twentieth century.

The Yan Yean system is archaeologically significant because it contains a range of known or potential archaeological deposits associated with the construction, development and use of the system over the past 100 years. This ranges from workers camp associated with the construction of the system to decommissioned equipment such as early cast-iron pipe technology and the former Morang Aqueduct and former Pipehead Reservoir. These archaeological sites have the potential to provide valuable information particularly in relation to early engineering construction techniques and provide a greater understanding of how a project of this magnitude was undertaken. They also can provide insight into the lives of the people involved in construction.

Levels of significance Primary significance

These are features and attributes that are integral to the significance of the place. They include elements that provide important evidence of its historical development and are directly associated with the key historic period of development and use from the commencement of construction in 1853 until 1891, which is the date that the first stage of the Maroondah system came on line and was connected with the Yan Yean system at the Junction Basin.

The elements of primary significance are those that are associated with:

. The initial construction of the Yan Yean system from 1853 to 1857. This includes items that are

still in use as well as decommissioned items, as follows:

Ø Yan Yean Reservoir, including inlet channel, dam wall to the extent of the 1850s fabric (not including any materials associated with the reinforcement of 1999), Valve House, Outlet Tower, By-wash (Spillway, including the channel leading to the Plenty River), Caretaker's House & tank, remnants of early landscaping.

Ø The pipe reserve between Yan Yean Reservoir and Merri Creek including the remnants of original cast iron pipes (No. 1 and No. 3 mains) that remain *in situ*.

Ø Valve House, Mill Park

Ø Darebin Creek Bridge (1850s section)

Ø Valve House, Preston Reservoir

Ø Merri Creek Pipe Bridge, remains of

Ø Watertank from Eastern Hill, now at Werribee Sewerage Farm.

. The additions and alterations that were made to the Yan Yean system up to 1891, which illustrate refinements to the system's operating performance and water quality, rather than expansions of capacity.

. Mature trees surrounding Yan Yean reservoir, particularly conifers and sugar gums

Ø Preston Reservoir No 1 (1864) and Caretaker's Residence and garden (1865)

Ø Morang Aqueduct (1875) and associated features (drystone walls, and brick & bluestone culverts), and remains of Pipehead Reservoir at McDonalds Road (1873-5)

Ø Flume over Plenty River (rebuilt 1879)

Ø Clearwater Channel (1885) and remnant early trees

Ø Toorourrong Reservoir and landscaped park (1883-5)

Ø Jacks Creek and Deviation Channel (1880s)

Ø Silver Creek (1886) and Wallaby Creek (1885) systems (including the Wallaby Creek Quarters, The Cascades and associated quarries and tree plantations)

Ø Junction Basin (1891) which signals end of Yan Yean as the sole source of water supply in Melbourne.

Secondary significance

These are features and attributes that are important as evidence of the development of the Yan Yean system after 1891 when the Maroondah system came on-stream and prior to 1949 when the development of the Upper Yarra system began.

These elements are of secondary significance in the context of the development of the original Yan Yean system from 1853-1891, but may be significant for other reasons.

The elements of secondary significance include:

. MMBW Rates office (1900) and Preston Reservoir No 2 (1909) and Preston Reservoir No 3 (1913)

. Egyptian Revival Valve House and instrumentation cubicle valve houses, St Georges Road (1928-9)

. Pipes installed from 1892 to c.1950

. MMBW depot at Yan Yean Reservoir behind Caretaker's House (c.1920s)

. Caretaker's Residence (1928-9) at Toorourrong Reservoir

. Timber bridges across the Clearwater Channel aqueduct (c.1940s)

Limited significance

The elements of limited significance, but are of some interest in demonstrating the continuing development of the Yan Yean system in the twentieth century are those that are associated with changes to the Yan Yean system made after c.1930:

. Infrastructure, buildings and landscaping dating from after c.1950.

. Pipeline from Yan Yean Reservoir to Morang (placed within the aqueduct in 1960)

Victorian Water Supply Heritage Study

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name Albert Park Lake
Address Lakeside Drive ALBERT PARK

File No
Grading
2007

Building Type Water catchment - artificial

Date

Assessment by

Extent of Overlay

Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

(For further information please refer to the Victorian Water Supply Thematic Environmental History)

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name Allenvale Reservoir
Address St George River ALLENVALE
Building Type Water Supply Reservoir/ Dam
Date
Assessment by

File No
Grading
2007

Extent of Overlay
Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

(For further information please refer to the Surf Coast Heritage Study Stage 2 2002).

Victorian Water Supply Heritage Study

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name Amherst Reservoir
Address Talbot-Avoca Road AMHERST
Building Type Water Supply Reservoir/ Dam
Date
Assessment by

File No
Grading
2007

Extent of Overlay
Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of local significance. It is included in the Heritage Overlay of a municipal planning scheme. Please refer to the relevant Heritage Study for more information about the significance of the place.

Assessment Against Criteria

Victorian Water Supply Heritage Study

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Brydens Tank	File No
Address	Sea lake-Robinvale Road ANNUELLO	Grading 2007
Building Type	Water Tank	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of local significance. It is included in the Heritage Overlay of a municipal planning scheme. Please refer to the relevant Heritage Study for more information about the significance of the place.

Assessment Against Criteria

Victorian Water Supply Heritage Study

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Anderson's Creek Reservoir	File No
Address	Anderson's Creek APOLLO BAY	Grading 2007
Building Type	Water Supply Reservoir/ Dam	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status **VHR** - **HI** - **PS** -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

(For further information please refer to the DSE Historic Places Inventory. This inventory is an Access database held in September 2007 by the Public Assets Branch of the Department of Sustainability and Environment)

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Ararat Reservoir	File No
Address	Mount Buangor State Park ARARAT	Grading 2007
Building Type	Water Supply Reservoir/ Dam	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Mt Cole Reservoir	File No
Address	ARARAT	Grading 2007
Building Type	Water Supply Reservoir/ Dam	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

(For further information please refer to the Draft Victorian Water Supply Thematic Environmental History 2007)

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Olivers Hill dam	File No
Address	ARARAT	Grading 2007
Building Type	Water Supply Reservoir/ Dam	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

The significance of this place is unknown as there is insufficient information. Further assessment is required in Stage 2.

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Railway water tanks	File No
Address	CA 4B, Sec 32 Gordon Street ARARAT	Grading 2007
Building Type	Water Tank	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status **VHR** - **HI** - **PS** -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of local significance. It is included in the Heritage Overlay of a municipal planning scheme. Please refer to the relevant Heritage Study for more information about the significance of the place.

Assessment Against Criteria

Victorian Water Supply Heritage Study

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name Aringa Reservoir
Address off Hamilton-Port Fairy Road ARINGA
Building Type Water Supply Reservoir/ Dam
Date
Assessment by

File No
Grading
2007

Extent of Overlay
Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

The significance of this place is unknown as there is insufficient information. Further assessment is required in Stage 2.

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	State Rivers & Water Supply Commission offices (former)	File No
Address	590 Orrong Road ARMADALE	Grading 2007
Building Type	Other - Utilities - Water	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, *register or database, or*

Victorian Water Supply Heritage Study

- as a key place associated with an important theme in Victoria's water supply heritage.

(For further information please refer to the Victorian Water Supply Draft Thematic Environmental History 2007)

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Water Channels at Werribee Gorge (remnants)	File No
Address	Western Freeway, approximately 8km north-west of Bacchus Marsh BACCHUS MARSH	Grading 2007
Building Type	Irrigation Channel/Canal	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status **VHR** - **HI** - **PS** -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Water tank and plant	File No
Address	Picnic Point BAIRNSDALE	Grading 2007
Building Type	Water Tank Other - Utilities - Water	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status **VHR** - **HI** - **PS** -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or

Victorian Water Supply Heritage Study

- as a key place associated with an important theme in Victoria's water supply heritage.

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Bostock Dam	File No
Address	Shaws Road BALLAN	Grading 2007
Building Type	Water Supply Reservoir/ Dam	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

(For further information please refer to the ANCOLD Register of Large Dams)

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Pykes Creek Reservoir and distribution system	File No
Address	Pykes Creek Road BALLAN	Grading 2007
Building Type	Water Supply Reservoir/ Dam	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status **VHR** - **HI** - **PS** -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

The significance of this place is unknown as there is insufficient information. Further assessment is required in Stage 2.

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Koweinguboora Dam	File No
Address	(off) Ballan-Daylesford Road BALLAN NORTH	Grading 2007
Building Type	Water Supply Reservoir/ Dam	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

(For further information please refer to the ANCOLD Register of Large Dams)

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Beales (Beal) reservoir	File No
Address	BALLARAT	Grading 2007
Building Type	Water Supply Reservoir/ Dam	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

The significance of this place is unknown as there is insufficient information. Further assessment is required in Stage 2.

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Former Water and Sewerage Authority Office	File No
Address	Corner Grenville & Lewis Streets BALLARAT	Grading 2007
Building Type	Other - Utilities - Water	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status **VHR** - **HI** - **PS** -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of local significance. It is included in the Heritage Overlay of a municipal planning scheme. Please refer to the relevant Heritage Study for more information about the significance of the place.

Assessment Against Criteria

Victorian Water Supply Heritage Study

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Kirks Reservoir	File No
Address	(off) Ballarat-Daylesford Road (Daylesford Road) BALLARAT	Grading 2007
Building Type	Water Supply Reservoir/ Dam	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status **VHR** - **HI** - **PS** -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

The significance of this place is unknown as there is insufficient information. Further assessment is required in Stage 2.

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name Lake Wendouree
Address Wendouree Parade BALLARAT
Building Type Other - Utilities - Water
Date
Assessment by

File No
Grading
2007

Extent of Overlay
Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

The significance of this place is unknown as there is insufficient information. Further assessment is required in Stage 2.

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Gong Gong Reservoir system	File No
Address	(off) Ballarat-Daylesford Road (Daylesford Road) BALLARAT EAST	Grading 2007
Building Type	Water Supply Reservoir/ Dam	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status **VHR** - **HI** - **PS** -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

(For further information please refer to ANCOLD Register of Large Dams)

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	White Swan Reservoir	File No
Address	White Swan Road BALLARAT NORTH	Grading 2007
Building Type	Water Supply Reservoir/ Dam	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

(For further information please refer to the ANCOLD Register of Large Dams)

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Rocklands Reservoir	File No
Address	Rocklands Road, approximately 10 km east of Balmoral BALMORAL	Grading 2007
Building Type	Water Supply Reservoir/ Dam	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status **VHR** - **HI** - **PS** -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

DSE Historic Places Inventory (This inventory is an Access database held in September 2007 by the Public Assets Branch of the Department of Sustainability and Environment)

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Remains of timber drain	File No
Address	fronting 91 Mew Lane BAMAWM	Grading 2007
Building Type	Other - Utilities - Water	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status **VHR** - **HI** - **PS** -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

(For further information please refer Inventory and Report on Historic Places in the VEAC River Red Gum Forests Investigation Area 2007).

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Taylors Lake Outlet Channel	File No
Address	Runs from Taylors Lake, SE of Horsham, to Richardson River, north of Banyena BANYENA	Grading 2007
Building Type	Water Supply Channel	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status **VHR** - **HI** - **PS** -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

(For further information please refer to Wimmera-Mallee Stock and Domestic Water Supply System (1996))

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Rice's Weir	File No
Address	Junction of Moira Lakes Track & Sand Ridge Track. GPS: 159-178 BARMAH	Grading 2007
Building Type	Weir	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status **VHR** - **HI** - **PS** -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

(For further information please refer DSE Historic Places Inventory (This inventory is an Access database held in September 2007 by the Public Assets Branch of the Department of Sustainability and Environment).

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name Allan's Crossing Weir

Address BARRAMUNGA

Building Type Weir

Date

Assessment by

File No

Grading
2007

Extent of Overlay

Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

For further information please refer to the place entry in the DSE Historic Places Inventory (The Historic Places Inventory is a database of historic places on Crown Land held in September 2007 by the Public Land Assets Branch of the Department of Sustainability and Environment)

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Barramunga Creek Weir, Pipeline	File No
Address	Barramunga Creek, off Mulgraws Road BARRAMUNGA	Grading 2007
Building Type	Weir Water Pipe	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status	VHR - HI - PS -	
Designer / Architect	No information held	Architectural Style No information held
Maker / Builder	No information held	
Integrity	No information held	

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or

Victorian Water Supply Heritage Study

- as a key place associated with an important theme in Victoria's water supply heritage.

(For further information please refer to DSE Historic Places Inventory (This inventory is an Access database held in September 2007 by the Public Assets Branch of the Department of Sustainability and Environment)

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Beaconsfield Reservoir	File No
Address	off Dickie Road BEACONSFIELD	Grading 2007
Building Type	Water Supply Reservoir/ Dam	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

(For further information please refer to DSE Historic Places Inventory (This inventory is an Access database held in September 2007 by the Public Assets Branch of the Department of Sustainability and Environment)

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Cardinia reservoir	File No
Address	off Red Hill Road BEACONSFIELD UPPER	Grading 2007
Building Type	Water Supply Reservoir/ Dam	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

(For further information please refer Cardinia Heritage Study (Stage 1) 2006).

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name Brick Water Tower
Address Havelock Road BEECHWORTH
Building Type Water Tower
Date
Assessment by

File No
Grading
2007

Extent of Overlay
Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of local significance. It is included in the Heritage Overlay of a municipal planning scheme. Please refer to the relevant Heritage Study for more information about the significance of the place.

Assessment Against Criteria

Victorian Water Supply Heritage Study

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Lake Kerford	File No
Address	BEECHWORTH	Grading 2007
Building Type	Other - Utilities - Water	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

The significance of this place is unknown as there is insufficient information. Further assessment is required in Stage 2.

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Rocky Mountain Ext GSC Water Diversion tunnel (Beechworth Historic Park BEEC216)	File No
Address	Gorge Road BEECHWORTH	Grading 2007
Building Type	Water Tunnel	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of local significance. It is included in the Heritage Overlay of a municipal planning scheme. Please refer to the relevant Heritage Study for more information about the significance of the place.

Assessment Against Criteria

Victorian Water Supply Heritage Study

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Woolshed Falls flume (remnants)	File No
Address	About 5km north-north-west of Beechworth BEECHWORTH	Grading 2007
Building Type	Water Flume	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status **VHR** - **HI** - **PS** -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Belgrave Lake Park (Dandenong Reservoir)	File No
Address	Park Drive BELGRAVE	Grading 2007
Building Type	Water Supply Reservoir/ Dam	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status **VHR** - **HI** - **PS** -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

(For further information please refer to Wimmera-Mallee Stock and Domestic Water Supply System (1996)

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name Benalla Water Supply Depot
Address Riverview Road BENALLA
Building Type Other - Utilities - Water
Date
Assessment by

File No
Grading
2007

Extent of Overlay
Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of local significance. It is included in the Heritage Overlay of a municipal planning scheme. Please refer to the relevant Heritage Study for more information about the significance of the place.

Assessment Against Criteria

Victorian Water Supply Heritage Study

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Casey Weir	File No
Address	off Midland Highway, Chesney Road BENALLA	Grading 2007
Building Type	Weir	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

The significance of this place is unknown as there is insufficient information. Further assessment is required in Stage 2.

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name Lake Mokoan
Address BENALLA
Building Type Other - Utilities - Water
Date
Assessment by

File No
Grading
2007

Extent of Overlay
Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

The significance of this place is unknown as there is insufficient information. Further assessment is required in Stage 2.

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name Lake Nillahcootie
Address BENALLA
Building Type Other - Utilities - Water
Date
Assessment by

File No
Grading
2007

Extent of Overlay
Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

The significance of this place is unknown as there is insufficient information. Further assessment is required in Stage 2.

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Agememon Water Race (at mine site)	File No
Address	Benambra-Cooryong Road BENAMBRA	Grading 2007
Building Type	Other - Utilities - Water	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status **VHR** - **HI** - **PS** -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

(For further information please refer East Gippsland Shire Heritage Study 2005).

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	King Billabong Pumps	File No
Address	BILLABONG	Grading 2007
Building Type	Water Pump House/Pumping Station	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

The significance of this place is unknown as there is insufficient information. Further assessment is required in Stage 2.

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Water Tower (Birregurra Railway Station)	File No
Address	Roadknight Street BIRREGURRA	Grading 2007
Building Type	Water Tower Railway Water Tower/ Tank	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

(For further information please refer to the entry in the National Trust of Australia (Victoria) Register or the Register of the National Estate - See Listings)

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Clunes Water Supply Works (Hepburn Lagoon)	File No
Address	Daylesford-Clunes Road BLAMPIED	Grading 2007
Building Type	Other - Utilities - Water	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status **VHR** - **HI** - **PS** -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of local significance. It is included in the Heritage Overlay of a municipal planning scheme. Please refer to the relevant Heritage Study for more information about the significance of the place.

Assessment Against Criteria

Victorian Water Supply Heritage Study

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name Main Northern Channel
Address BOISDALE
Building Type Irrigation Channel/Canal
Date
Assessment by

File No
Grading
2007

Extent of Overlay
Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

(For further information please refer to the Hallows & Thompson, 1995, 'The History of Irrigation in Australia')

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name Moorabool Dam
Address Spargo Creek Road BOLWARRAH
Building Type Water Supply Reservoir/ Dam
Date
Assessment by

File No
Grading
2007

Extent of Overlay
Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

(For further information please refer to the ANCOLD Register of Large Dams)

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name Mitta Junction Township Site
Address Bonegilla Road BONEGILLA

File No
Grading
2007

Building Type Other - Utilities - Water

Date

Assessment by

Extent of Overlay

Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

Potential Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or

Victorian Water Supply Heritage Study

- as a key place associated with an important theme in Victoria's water supply heritage.

(For further information please refer to Inventory and Report on Historic Places in the VEAC River Red Gum Forests Investigation Area, 2007).

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Water Tanks	File No
Address	Latchford Barracks BONEGILLA	Grading 2007
Building Type	Water Tank	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status **VHR** - **HI** - **PS** -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

Potential Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or

Victorian Water Supply Heritage Study

- as a key place associated with an important theme in Victoria's water supply heritage.

(For further information please refer to Inventory and Report on Historic Places in the VEAC River Red Gum Forests Investigation Area, 2007).

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	West Goulburn, Campaspe and Loddon Districts System	File No
Address	BOORT	Grading 2007
Building Type	Water Supply Precinct	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or

Victorian Water Supply Heritage Study

- as a key place associated with an important theme in Victoria's water supply heritage.

(For further information please refer to the Hallows & Thompson, 1995, 'The History of Irrigation in Australia')

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Stand Pipe	File No
Address	Timor Road BOWENVALE	Grading 2007
Building Type	Water Pipe	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of local significance. It is included in the Heritage Overlay of a municipal planning scheme. Please refer to the relevant Heritage Study for more information about the significance of the place.

Assessment Against Criteria

Victorian Water Supply Heritage Study

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Commonwealth Serum Laboratories Water Tower	File No
Address	220-40 Camp Road BROADMEADOWS	Grading 2007
Building Type	Water Tower	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status **VHR** - **HI** - **PS** -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of local significance. It is included in the Heritage Overlay of a municipal planning scheme. Please refer to the relevant Heritage Study for more information about the significance of the place.

Assessment Against Criteria

Victorian Water Supply Heritage Study

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Community Pump and Well	File No
Address	Murray Valley Highway BROWNS PLAINS	Grading 2007
Building Type	Well Wind Pump	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status **VHR** - **HI** - **PS** -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or

Victorian Water Supply Heritage Study

- as a key place associated with an important theme in Victoria's water supply heritage.

(For further information please refer to Inventory and Report on Historic Places in the VEAC River Red Gum Forests Investigation Area, 2007).

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Jackibi-Jackibal Swamp Well complex	File No
Address	Edge of Jackibi-Jackibal Swamp (Home Lake) BRUNSWICK	Grading 2007
Building Type	Well	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status **VHR** - **HI** - **PS** -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

(For further information please refer to Wyperfeld National Park Analysis of Historic Places 1995).

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Langi-Ghiran reservoir	File No
Address	(off) Western Highway BUANGOR	Grading 2007
Building Type	Irrigation Channel/Canal	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

DSE Historic Places Inventory (This inventory is an Access database held in September 2007 by the Public Assets Branch of the Department of Sustainability and Environment).

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Water Rangers House	File No
Address	(off) Western Highway BUANGOR	Grading 2007
Building Type	Other - Utilities - Water	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status **VHR** - **HI** - **PS** -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

(For further information please refer to the LCC, 1997, 'Historic Places Special Investigation South Western Victoria Final Recommendations', p.100)

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	The Water Tree (water source)	File No
Address	near Fiveways Bally Hooly Road BUCHAN	Grading 2007
Building Type	Other - Utilities - Water	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

(For further information please refer to East Gippsland Shire Heritage Study 2005)

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name Budgerum Weir (Madden's or Gamble's)

Address Avoca River BUDGERUM

Building Type Weir

Date

Assessment by

File No

Grading
2007

Extent of Overlay

Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

(For further information please refer to Inventory and Report on Historic Places in the VEAC River Red Gum Forests Investigation Area, 2007).

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Bulga Tank (dam) and brick channel	File No
Address	Bulga Road (corner McLarty Road) BULGA	Grading 2007
Building Type	Water Tank Irrigation Channel/Canal	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status **VHR** - **HI** - **PS** -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or

Victorian Water Supply Heritage Study

- as a key place associated with an important theme in Victoria's water supply heritage.

(For further information please refer to Inventory and Report on Historic Places in the VEAC River Red Gum Forests Investigation Area, 2007).

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	German Gully and Historic Water Race	File No
Address	Mills Track, off German Gully Road BULLUMWAAL	Grading 2007
Building Type	Other - Utilities - Water	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status **VHR** - **HI** - **PS** -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

(For further information please refer to East Gippsland Shire Heritage Study 2005)

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name Gong reservoir
Address Inglis Street BUNINYONG
Building Type Water Supply Reservoir/ Dam
Date
Assessment by

File No
Grading
2007

Extent of Overlay
Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of local significance. It is included in the Heritage Overlay of a municipal planning scheme. Please refer to the relevant Heritage Study for more information about the significance of the place.

Assessment Against Criteria

Victorian Water Supply Heritage Study

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name Lal Lal reservoir (Bungal dam)

Address BUNINYONG

Building Type Water Supply Reservoir/ Dam

Date

Assessment by

File No

Grading
2007

Extent of Overlay

Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

The significance of this place is unknown as there is insufficient information. Further assessment is required in Stage 2.

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	The Big Culvert (Cumberland Scenic Reserve)	File No
Address	CAMBARVILLE	Grading 2007
Building Type	Other - Utilities - Water	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of local significance. It is included in the Heritage Overlay of a municipal planning scheme. Please refer to the relevant Heritage Study for more information about the significance of the place.

Assessment Against Criteria

Victorian Water Supply Heritage Study

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Lake Bullen Merri	File No
Address	2km south-west of Camperdown CAMPERDOWN	Grading 2007
Building Type	Water Supply Reservoir/ Dam	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name Carina Bend Pumping Station Off-take

Address Carina Bend CARINA

Building Type Water Pump House/Pumping Station

Date

Assessment by

File No

Grading
2007

Extent of Overlay

Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

(For further information please refer to DSE Historic Places Inventory (This inventory is an Access database held in September 2007 by the Public Assets Branch of the Department of Sustainability and Environment)

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name McCay Dam
Address (on) Green's Creek CASTLEMAINE

File No
Grading
2007

Building Type Water Supply Reservoir/ Dam

Date

Assessment by

Extent of Overlay

Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

(For further information please refer to the ANCOLD Register of Large Dams)

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Charlton Weir	File No
Address	Avoca River, Mildura Way CHARLTON	Grading 2007
Building Type	Weir	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status **VHR** - **HI** - **PS** -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

(For further information please refer to Inventory and Report on Historic Places in the VEAC River Red Gum Forests Investigation Area 2007).

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	First Charlton Weir (on Avoca River)	File No
Address	Upstream of J. Paterson Bridge CHARLTON	Grading 2007
Building Type	Weir	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

(For further information please refer to Inventory and Report on Historic Places in the VEAC River Red Gum Forests Investigation Area 2007).

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Water Tank	File No
Address	Currie Street CHARLTON	Grading 2007
Building Type	Water Tank	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

(For further information please refer to Inventory and Report on Historic Places in the VEAC River Red Gum Forests Investigation Area 2007).

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name Water tower - Charlton
Address View Street CHARLTON

File No
Grading
2007

Building Type Water Tower

Date

Assessment by

Extent of Overlay

Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

(For further information please refer to John Monash website 'Engineering Enterprise prior to WW1'
(http://home.vicnet.net.au/~aholgate/jm/mainpages/list_main.html)

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Lake William Hovell Dam	File No
Address	Upper King River Road CHESHUNT SOUTH	Grading 2007
Building Type	Water Supply Reservoir/ Dam	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

(For further information please refer to Inventory and Report on Historic Places in the VEAC River Red Gum Forests Investigation Area 2007).

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Water Wheel Battery	File No
Address	Forest Creek CHEWTON	Grading 2007
Building Type	Water Supply Objects (movable)	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status **VHR** - **HI** - **PS** -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

The significance of this place is unknown as there is insufficient information. Further assessment is required in Stage 2.

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Barambogie Spring	File No
Address	4 miles from Chiltern CHILTERN VALLEY	Grading 2007
Building Type	Spring	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

The significance of this place is unknown as there is insufficient information. Further assessment is required in Stage 2.

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Maroondah aqueduct	File No
Address	Skyline Road CHRISTMAS HILLS	Grading 2007
Building Type	Water Aqueduct	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status **VHR** - **HI** - **PS** -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of local significance. It is included in the Heritage Overlay of a municipal planning scheme. Please refer to the relevant Heritage Study for more information about the significance of the place.

Assessment Against Criteria

Victorian Water Supply Heritage Study

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name Sunday Creek Reservoir
Address off Westcot Road CLONBINANE

File No
Grading
2007

Building Type Water Supply Reservoir/ Dam

Date

Assessment by

Extent of Overlay

Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

(For further information please refer to DSE Historic Places Inventory (This inventory is an Access database held in September 2007 by the Public Assets Branch of the Department of Sustainability and Environment)

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name 'Big Dam' (on Creswick Creek)

Address Thornton Street CLUNES

Building Type Water Supply Reservoir/ Dam

Date

Assessment by

File No

Grading
2007

Extent of Overlay

Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of local significance. It is included in the Heritage Overlay of a municipal planning scheme. Please refer to the relevant Heritage Study for more information about the significance of the place.

Assessment Against Criteria

Victorian Water Supply Heritage Study

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name Murray Valley Irrigation Area System

Address COBRAM

Building Type Irrigation Channel/Canal

Date

Assessment by

File No

Grading
2007

Extent of Overlay

Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

(For further information please refer to the Hallows & Thompson, 1995, 'The History of Irrigation in Australia')

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name Site of Pump House and Steam Pumps

Address River Road COBRAM

Building Type Wind Pump

Date

Assessment by

File No

Grading
2007

Extent of Overlay

Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

(For further information please refer to Inventory and Report on Historic Places in the VEAC River Red Gum Forests Investigation Area 2007)

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Water towers	File No
Address	Churr Street COBRAM	Grading 2007
Building Type	Water Tower	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

(For further information please refer to Inventory and Report on Historic Places in the VEAC River Red Gum Forests Investigation Area 2007).

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Windmill	File No
Address	Burramine Road COBRAM	Grading 2007
Building Type	Other - Utilities - Water	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

(For further information please refer to Inventory and Report on Historic Places in the VEAC River Red Gum Forests Investigation Area 2007).

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Cohuna Headworks, Gunbower Island State Forest	File No
Address	Long Bend, Murray River COHUNA	Grading 2007
Building Type	Other - Utilities - Water	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status **VHR** - **HI** - **PS** -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

(For further information please refer to Inventory and Report on Historic Places in the VEAC River Red Gum Forests Investigation Area 2007).

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name Cohuna Weir
Address Murray Valley Highway COHUNA

File No
Grading
2007

Building Type Weir

Date

Assessment by

Extent of Overlay

Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

(For further information please refer to Inventory and Report on Historic Places in the VEAC River Red Gum Forests Investigation Area 2007).

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name Torrumbarry Irrigation System

Address COHUNA

Building Type Water Supply Precinct

Date

Assessment by

File No

Grading
2007

Extent of Overlay

Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

(For further information please refer to the Hallows & Thompson, 1995, 'The History of Irrigation in Australia')

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name Upper Spur Creek Weir
Address Tickell's Road COHUNA

File No
Grading
2007

Building Type Weir

Date

Assessment by

Extent of Overlay

Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

(For further information please refer to Inventory and Report on Historic Places in the VEAC River Red Gum Forests Investigation Area 2007).

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name Water Tower (Cohuna)

Address COHUNA

Building Type Water Tower

Date

Assessment by

File No

Grading
2007

Extent of Overlay

Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of local significance. It is included in the Heritage Overlay of a municipal planning scheme. Please refer to the relevant Heritage Study for more information about the significance of the place.

Assessment Against Criteria

Victorian Water Supply Heritage Study

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Lake Merrimu	File No
Address	COIMADAI	Grading 2007
Building Type	Water Supply Reservoir/ Dam	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

The significance of this place is unknown as there is insufficient information. Further assessment is required in Stage 2.

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name Colac Service Basins
Address COLAC
Building Type Other - Utilities - Water
Date
Assessment by

File No
Grading
2007

Extent of Overlay
Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

(For further information please refer to the LCC, 1997, 'Historic Places Special Investigation South Western Victoria Final Recommendations', p.90)

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Lake Colac	File No
Address	COLAC	Grading 2007
Building Type	Other - Utilities - Water	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status **VHR** - **HI** - **PS** -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

The significance of this place is unknown as there is insufficient information. Further assessment is required in Stage 2.

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name Konong Wootong Reservoir
Address Konong Wootong COLERAINE

File No
Grading
2007

Building Type Water Supply Reservoir/ Dam

Date

Assessment by

Extent of Overlay

Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

(For further information please refer DSE Historic Places Inventory (This inventory is an Access database held in September 2007 by the Public Assets Branch of the Department of Sustainability and Environment)).

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Water Tanks	File No
Address	421 Lower Duneed Road CONNEWARRE	Grading 2007
Building Type	Water Tank	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status **VHR** - **HI** - **PS** -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of local significance. It is included in the Heritage Overlay of a municipal planning scheme. Please refer to the relevant Heritage Study for more information about the significance of the place.

Assessment Against Criteria

Victorian Water Supply Heritage Study

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Tank (dam)	File No
Address	O'Bree Road COONIMUR	Grading 2007
Building Type	Water Tank	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of local significance. It is included in the Heritage Overlay of a municipal planning scheme. Please refer to the relevant Heritage Study for more information about the significance of the place.

Assessment Against Criteria

Victorian Water Supply Heritage Study

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Cowwarr Weir	File No
Address	(on) Thomson River COWWARR	Grading 2007
Building Type	Weir	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

(For further information please refer to the Hallows & Thompson, 1995, 'The History of Irrigation in Australia')

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Well	File No
Address	11 Bakewell Street CRANBOURNE	Grading 2007
Building Type	Well	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

(For further information please refer Casey Heritage Study 2004)

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Millewa Main Pumping Station Site	File No
Address	Lake Cullulleraine area CULLULLERAINE	Grading 2007
Building Type	Water Pump House/Pumping Station	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status **VHR** - **HI** - **PS** -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

(For further information please refer to DSE Historic Places Inventory (This inventory is an Access database held in September 2007 by the Public Assets Branch of the Department of Sustainability and Environment).

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name Bullarto reservoir
Address DAYLESFORD
Building Type Other - Utilities - Water
Date
Assessment by

File No
Grading
2007

Extent of Overlay
Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

The significance of this place is unknown as there is insufficient information. Further assessment is required in Stage 2.

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Hepburn Goldfields Reservoir (Jubilee Lake)	File No
Address	DAYLESFORD	Grading 2007
Building Type	Water Supply Reservoir/ Dam	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status **VHR** - **HI** - **PS** -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

The significance of this place is unknown as there is insufficient information. Further assessment is required in Stage 2.

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name Brick domed water storage
Address 21 Stone Street DIAMOND CREEK
Building Type Other - Utilities - Water
Date
Assessment by

File No
Grading
2007

Extent of Overlay
Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of local significance. It is included in the Heritage Overlay of a municipal planning scheme. Please refer to the relevant Heritage Study for more information about the significance of the place.

Assessment Against Criteria

Victorian Water Supply Heritage Study

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	'The Plumpton' Dam	File No
Address	412-518 Plumpton Road DIGGERS REST	Grading 2007
Building Type	Water Supply Reservoir/ Dam	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

(For further information please refer to the Melton Shire Heritage Study, 2007).

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Former Murphy Dam	File No
Address	209-247 Plumpton Road DIGGERS REST	Grading 2007
Building Type	Water Supply Reservoir/ Dam	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status **VHR** - **HI** - **PS** -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

(For further information please refer to the Melton Shire Heritage Study, 2007).

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Holden Road Dam	File No
Address	625-833 Holden Road DIGGERS REST	Grading 2007
Building Type	Water Supply Reservoir/ Dam	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

(For further information please refer to the Melton Shire Heritage Study, 2007).

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Rockbank Headstation Dam	File No
Address	1205 - 1231 & 1233 - 1287 Taylors Road DIGGERS REST	Grading 2007
Building Type	Water Supply Reservoir/ Dam	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status **VHR** - **HI** - **PS** -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

Potential Significance - individual place

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or

Victorian Water Supply Heritage Study

- as a key place associated with an important theme in Victoria's water supply heritage.
(For further information please refer to the Melton Shire Heritage Study, 2007).

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Rocklands Dam	File No
Address	131-199 Townsings Road DIGGERS REST	Grading 2007
Building Type	Water Supply Reservoir/ Dam	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

(For further information please refer to the Melton Shire Heritage Study, 2007).

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name Site of first pump station
Address Wimmera River DIMBOOLA
Building Type Water Pump House/Pumping Station
Date
Assessment by

File No
Grading
2007

Extent of Overlay
Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of local significance. It is included in the Heritage Overlay of a municipal planning scheme. Please refer to the relevant Heritage Study for more information about the significance of the place.

Assessment Against Criteria

Victorian Water Supply Heritage Study

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Concrete Water Tower	File No
Address	Norman Street (behind Butter Factory) DROUIN	Grading 2007
Building Type	Water Tower	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status **VHR** - **HI** - **PS** -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

(For further information please refer to Baw Baw Heritage Study 2005)

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Water Tower (Drouin)	File No
Address	Norman Street (behind Butter Factory) DROUIN	Grading 2007
Building Type	Water Tower	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

(For further information please refer Baw Baw Heritage Study 2005)

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Pine Lake	File No
Address	Gates Road DRUNG DRUNG	Grading 2007
Building Type	Water Supply Reservoir/ Dam	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

(For further information please refer to Wimmera-Mallee Stock and Domestic Water Supply System (1996)).

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Daylesford-Upper Loddon State Forest water channel	File No
Address	near Sawpit Gully Rd DRY DIGGINGS	Grading 2007
Building Type	Water Supply Channel	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status **VHR** - **HI** - **PS** -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of local significance. It is included in the Heritage Overlay of a municipal planning scheme. Please refer to the relevant Heritage Study for more information about the significance of the place.

Assessment Against Criteria

Victorian Water Supply Heritage Study

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name McLeods Water Holes Heritage Area
Address Wyndham & Duke Streets DRYSDALE
Building Type Water Supply Precinct
Date
Assessment by

File No
Grading
2007

Extent of Overlay
Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of local significance. It is included in the Heritage Overlay of a municipal planning scheme. Please refer to the relevant Heritage Study for more information about the significance of the place.

Assessment Against Criteria

Victorian Water Supply Heritage Study

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Lower Stony Creek Dam	File No
Address	(off) Geelong-Ballan Road DURDIDWARRAH	Grading 2007
Building Type	Water Supply Reservoir/ Dam	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

(For further information please refer to the ANCOLD Register of Large Dams)

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Upper Stony Creek Dam No. 1	File No
Address	(off) Geelong-Ballan Road DURDIDWARRAH	Grading 2007
Building Type	Water Supply Reservoir/ Dam	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

(For further information please refer to the ANCOLD Register of Large Dams)

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Raywood Channel Water Race Mine	File No
Address	Whipstick Road (Whipstick) EAGLEHAWK	Grading 2007
Building Type	Other - Utilities - Water	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status **VHR** - **HI** - **PS** -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of local significance. It is included in the Heritage Overlay of a municipal planning scheme. Please refer to the relevant Heritage Study for more information about the significance of the place.

Assessment Against Criteria

Victorian Water Supply Heritage Study

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name Pumping Station
Address 2 Murray Esplanade ECHUCA
Building Type Water Pump House/Pumping Station
Date
Assessment by

File No
Grading
2007

Extent of Overlay
Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Water tower - Echuca	File No
Address	ECHUCA	Grading 2007
Building Type	Water Tower	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status **VHR** - **HI** - **PS** -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

John Monash website 'Engineering Enterprise prior to WW1'
(http://home.vicnet.net.au/~aholgate/jm/mainpages/list_main.html)

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Lake Eildon	File No
Address	Goulburn Valley Highway EILDON	Grading 2007
Building Type	Water Supply Reservoir/ Dam	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Service Basins (Colac Water Supply System)	File No
Address	ELLIMINYT	Grading 2007
Building Type	Other - Utilities - Water	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

(For further information please refer to DSE Historic Places Inventory (This inventory is an Access database held in September 2007 by the Public Assets Branch of the Department of Sustainability and Environment).

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name Eltham watering place reserve

Address 645 Main Road ELTHAM

Building Type Water Supply Precinct

Date

Assessment by

File No

Grading
2007

Extent of Overlay

Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of local significance. It is included in the Heritage Overlay of a municipal planning scheme. Please refer to the relevant Heritage Study for more information about the significance of the place.

Assessment Against Criteria

Victorian Water Supply Heritage Study

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name Smith dam
Address 48 Nerreman Gateway ELTHAM
Building Type Water Supply Reservoir/ Dam
Date
Assessment by

File No
Grading
2007

Extent of Overlay
Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of local significance. It is included in the Heritage Overlay of a municipal planning scheme. Please refer to the relevant Heritage Study for more information about the significance of the place.

Assessment Against Criteria

Victorian Water Supply Heritage Study

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name O'Herns Road Farming Complex & Ford
Address 600 O'Herns Road EPPING

File No
Grading
2007

Building Type Other - Utilities - Water

Date

Assessment by

Extent of Overlay

Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Evansford Dam	File No
Address	Waubra-Talbot (Lees) Road EVANSFORD	Grading 2007
Building Type	Water Supply Reservoir/ Dam	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

(For further information please refer to the ANCOLD Register of Large Dams)

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Rocky Valley Dam	File No
Address	FALLS CREEK	Grading 2007
Building Type	Water Supply Reservoir/ Dam	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

The significance of this place is unknown as there is insufficient information. Further assessment is required in Stage 2.

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Water Channel	File No
Address	Calder Highway FARADAY	Grading 2007
Building Type	Water Supply Channel	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of local significance. It is included in the Heritage Overlay of a municipal planning scheme. Please refer to the relevant Heritage Study for more information about the significance of the place.

Assessment Against Criteria

Victorian Water Supply Heritage Study

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Fish Point Levee Bank	File No
Address	Fish Point Road FISH POINT	Grading 2007
Building Type	Other - Utilities - Water	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status **VHR** - **HI** - **PS** -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

(For further information please refer to Inventory and Report on Historic Places in the VEAC River Red Gum Forests Investigation Area 2007).

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name Frankston Reservoir
Address off Sanders Road FRANKSTON

File No
Grading
2007

Building Type Water Supply Reservoir/ Dam

Date

Assessment by

Extent of Overlay

Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name Shenam Dam
Address Princes Highway GARVOC
Building Type Water Supply Reservoir/ Dam
Date
Assessment by

File No
Grading
2007

Extent of Overlay
Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

(For further information please refer to Moyne Shire Heritage Study 2002)

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Stoney Creek Water Channels	File No
Address	off 111 Switzerland Road GHIN GHIN	Grading 2007
Building Type	Water Supply Channel	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status **VHR** - **HI** - **PS** -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

(For further information please refer to Murrindindi Heritage Study (Stage 1) 2006)

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name Glenaladale Weir
Address Weir Lane GLENALADALE
Building Type Weir
Date
Assessment by

File No
Grading
2007

Extent of Overlay
Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

(For further information please refer East Gippsland Shire Heritage Study 2005).

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Glenloth Public Tank	File No
Address	Charlton/Swan Hill Road GLENLOTH	Grading 2007
Building Type	Water Tank	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status **VHR** - **HI** - **PS** -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

(For further information please refer to Inventory and Report on Historic Places in the VEAC River Red Gum Forests Investigation Area 2007).

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Dunmunkle Creek Diversion	File No
Address	Glenorchy-Campbells Bridge Road, east of Glenorchy GLENORCHY	Grading 2007
Building Type	Other - Utilities - Water	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status **VHR** - **HI** - **PS** -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

(For further information please refer to Wimmera-Mallee Stock and Domestic Water Supply System (1996)

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Glenorchy Weir	File No
Address	Glenorchy-Roses Gap Road GLENORCHY	Grading 2007
Building Type	Weir	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

(For further information please refer to Wimmera-Mallee Stock and Domestic Water Supply System (1996)

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Wimmera River-Swedes Creek Cutting	File No
Address	Glenorchy-Campbells Bridge Road, east of Glenorchy GLENORCHY	Grading 2007
Building Type	Other - Utilities - Water	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status **VHR** - **HI** - **PS** -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

(For further information please refer to Wimmera-Mallee Stock and Domestic Water Supply System (1996)

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name Concrete Water Channel
Address Cooke Street GOLDEN POINT
Building Type Water Supply Channel
Date
Assessment by

File No
Grading
2007

Extent of Overlay
Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of local significance. It is included in the Heritage Overlay of a municipal planning scheme. Please refer to the relevant Heritage Study for more information about the significance of the place.

Assessment Against Criteria

Victorian Water Supply Heritage Study

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Expedition Pass Reservoir	File No
Address	Golden Point Road GOLDEN POINT	Grading 2007
Building Type	Water Supply Reservoir/ Dam	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of local significance. It is included in the Heritage Overlay of a municipal planning scheme. Please refer to the relevant Heritage Study for more information about the significance of the place.

Assessment Against Criteria

Victorian Water Supply Heritage Study

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Junction of the Main and Harcourt Channels	File No
Address	GOLDEN POINT	Grading 2007
Building Type	Water Supply Channel	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of local significance. It is included in the Heritage Overlay of a municipal planning scheme. Please refer to the relevant Heritage Study for more information about the significance of the place.

Assessment Against Criteria

Victorian Water Supply Heritage Study

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name Malmsbury aqueduct

Address GOLDEN POINT

Building Type Water Aqueduct

Date

Assessment by

File No

Grading
2007

Extent of Overlay

Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

The significance of this place is unknown as there is insufficient information. Further assessment is required in Stage 2.

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Point Channel	File No
Address	off Golden Point Road GOLDEN POINT	Grading 2007
Building Type	Water Supply Channel	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

(For further information please refer to DSE Historic Places Inventory (This inventory is an Access database held in September 2007 by the Public Assets Branch of the Department of Sustainability and Environment)

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Sugarloaf Weir (Reservoir)	File No
Address	GOULBURN WEIR	Grading 2007
Building Type	Water Supply Reservoir/ Dam Weir	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status **VHR** - **HI** - **PS** -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or

Victorian Water Supply Heritage Study

- as a key place associated with an important theme in Victoria's water supply heritage.

The significance of this place is unknown as there is insufficient information. Further assessment is required in Stage 2.

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Green Lake and Dock Lake	File No
Address	Western Highway GREEN LAKE	Grading 2007
Building Type	Water Supply Reservoir/ Dam	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

(For further information please refer to the Hallows & Thompson, 1995, 'The History of Irrigation in Australia')

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Greenvale Reservoir	File No
Address	GREENVALE	Grading 2007
Building Type	Water Supply Reservoir/ Dam	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

The significance of this place is unknown as there is insufficient information. Further assessment is required in Stage 2.

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Kow Swamp	File No
Address	off Leitchville South Road GUNBOWER	Grading 2007
Building Type	Other - Utilities - Water	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

(For further information please refer to The History of Irrigation in Australia (c1996)

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Old Straight Cut Channel	File No
Address	off Island School Road GUNBOWER	Grading 2007
Building Type	Water Supply Channel	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status **VHR** - **HI** - **PS** -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

(For further information please refer to Inventory and Report on Historic Places in the VEAC River Red Gum Forests Investigation Area 2007).

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Public Tank	File No
Address	Tomara Road GUNBOWER	Grading 2007
Building Type	Water Tank	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

(For further information please refer to Inventory and Report on Historic Places in the VEAC River Red Gum Forests Investigation Area 2007)

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Weir	File No
Address	Weir Road GUNBOWER	Grading 2007
Building Type	Weir	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status **VHR** - **HI** - **PS** -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

(For further information please refer to Inventory and Report on Historic Places in the VEAC River Red Gum Forests Investigation Area 2007).

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Hamilton Water Supply Headworks	File No
Address	(on) Browns Creek and Headworks Creek HALLS GAP	Grading 2007
Building Type	Water Pump House/Pumping Station	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status **VHR** - **HI** - **PS** -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

(For further information please refer to the LCC, 1997, 'Historic Places Special Investigation South Western Victoria Final Recommendations', p.100)

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Lake Bellfield	File No
Address	Grampians Road, SW of Halls Gap HALLS GAP	Grading 2007
Building Type	Water Supply Reservoir/ Dam	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

(For further information please refer to Wimmera-Mallee Stock and Domestic Water Supply System (1996).

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Stawell Water Supply System	File No
Address	(east of) Grampians Road HALLS GAP	Grading 2007
Building Type	Water Supply Precinct	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

(For further information please refer to the LCC, 1997, 'Historic Places Special Investigation South Western Victoria Final Recommendations', p.51)

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Bell Post Hill Service Basin, Trees & Valve House	File No
Address	210 Ballarat Road HAMLYN HEIGHTS	Grading 2007
Building Type	Water Supply Precinct	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of local significance. It is included in the Heritage Overlay of a municipal planning scheme. Please refer to the relevant Heritage Study for more information about the significance of the place.

Assessment Against Criteria

Victorian Water Supply Heritage Study

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Pumping Station site	File No
Address	off Hocking Road (Coreena Bend) HAPPY VALLEY	Grading 2007
Building Type	Water Pump House/Pumping Station	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status **VHR** - **HI** - **PS** -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of local significance. It is included in the Heritage Overlay of a municipal planning scheme. Please refer to the relevant Heritage Study for more information about the significance of the place.

Assessment Against Criteria

Victorian Water Supply Heritage Study

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name Stand pipe and trough
Address HAPPY VALLEY
Building Type Water Pipe
Other - Utilities - Water

File No
Grading
2007

Date

Assessment by

Extent of Overlay

Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of local significance. It is included in the Heritage Overlay of a municipal planning scheme. Please refer to the relevant Heritage Study for more information about the significance of the place.

Assessment Against Criteria

Stand pipe and trough
Hermes No 27495 Place Citation Report

01-Nov-2007

6:21 pm

Victorian Water Supply Heritage Study

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Aqueduct	File No
Address	near HARCOURT	Grading 2007
Building Type	Water Aqueduct	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of local significance. It is included in the Heritage Overlay of a municipal planning scheme. Please refer to the relevant Heritage Study for more information about the significance of the place.

Assessment Against Criteria

Victorian Water Supply Heritage Study

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name Back Creek Syphon
Address near HARCOURT
Building Type Other - Utilities - Water
Date
Assessment by

File No
Grading
2007

Extent of Overlay
Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of local significance. It is included in the Heritage Overlay of a municipal planning scheme. Please refer to the relevant Heritage Study for more information about the significance of the place.

Assessment Against Criteria

Victorian Water Supply Heritage Study

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name Brick lined tunnel
Address near HARCOURT

File No
Grading
2007

Building Type Water Tunnel
Date

Assessment by

Extent of Overlay
Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of local significance. It is included in the Heritage Overlay of a municipal planning scheme. Please refer to the relevant Heritage Study for more information about the significance of the place.

Assessment Against Criteria

Victorian Water Supply Heritage Study

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name Byrne's Tunnel or NO. 1 Tunnel
Address near HARCOURT

File No
Grading
2007

Building Type Water Tunnel
Date

Assessment by

Extent of Overlay
Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of local significance. It is included in the Heritage Overlay of a municipal planning scheme. Please refer to the relevant Heritage Study for more information about the significance of the place.

Assessment Against Criteria

Victorian Water Supply Heritage Study

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name Catch drains
Address near HARCOURT
Building Type Other - Utilities - Water
Date
Assessment by

File No
Grading
2007

Extent of Overlay
Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of local significance. It is included in the Heritage Overlay of a municipal planning scheme. Please refer to the relevant Heritage Study for more information about the significance of the place.

Assessment Against Criteria

Victorian Water Supply Heritage Study

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name Creek Crossing and 'goes over drain'
Address near HARCOURT

File No
Grading
2007

Building Type Other - Utilities - Water

Date

Assessment by

Extent of Overlay

Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of local significance. It is included in the Heritage Overlay of a municipal planning scheme. Please refer to the relevant Heritage Study for more information about the significance of the place.

Assessment Against Criteria

Victorian Water Supply Heritage Study

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name Flume Foundations

Address near HARCOURT

Building Type Water Flume

Date

Assessment by

File No

Grading
2007

Extent of Overlay

Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of local significance. It is included in the Heritage Overlay of a municipal planning scheme. Please refer to the relevant Heritage Study for more information about the significance of the place.

Assessment Against Criteria

Victorian Water Supply Heritage Study

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Main Channel	File No
Address	near HARCOURT	Grading 2007
Building Type	Water Supply Channel	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of local significance. It is included in the Heritage Overlay of a municipal planning scheme. Please refer to the relevant Heritage Study for more information about the significance of the place.

Assessment Against Criteria

Victorian Water Supply Heritage Study

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name Whisky Gully concrete syphon
Address near HARCOURT

File No
Grading
2007

Building Type Other - Utilities - Water

Date

Assessment by

Extent of Overlay

Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of local significance. It is included in the Heritage Overlay of a municipal planning scheme. Please refer to the relevant Heritage Study for more information about the significance of the place.

Assessment Against Criteria

Victorian Water Supply Heritage Study

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name Barkers Creek Reservoir
Address HARCOURT NORTH
Building Type Water Supply Reservoir/ Dam
Date
Assessment by

File No
Grading
2007

Extent of Overlay
Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of local significance. It is included in the Heritage Overlay of a municipal planning scheme. Please refer to the relevant Heritage Study for more information about the significance of the place.

Assessment Against Criteria

Victorian Water Supply Heritage Study

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Junction of the Harcourt Expedition Pass and Golden point channels	File No
Address	HARCOURT NORTH	Grading 2007
Building Type	Water Supply Channel	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of local significance. It is included in the Heritage Overlay of a municipal planning scheme. Please refer to the relevant Heritage Study for more information about the significance of the place.

Assessment Against Criteria

Victorian Water Supply Heritage Study

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Water Tower	File No
Address	Lake Hattah HATTAH	Grading 2007
Building Type	Water Tower	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

(For further information refer to Inventory and Report on Historic Places in the VEAC River Red Gum Forests Investigation Area 2007).

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Springs	File No
Address	at recreation reserve HAWKESDALE	Grading 2007
Building Type	Spring	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

The significance of this place is unknown as there is insufficient information. Further assessment is required in Stage 2.

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name Badger Creek Weir
Address Badger Weir Road HEALESVILLE

File No
Grading
2007

Building Type Weir

Date

Assessment by

Extent of Overlay

Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of local significance. It is included in the Heritage Overlay of a municipal planning scheme. Please refer to the relevant Heritage Study for more information about the significance of the place.

Assessment Against Criteria

Victorian Water Supply Heritage Study

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Coranderrk Bushland Reserve - aboriginal station track, water race and sawmill site	File No
Address	HEALESVILLE	Grading 2007
Building Type	Other - Utilities - Water	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of local significance. It is included in the Heritage Overlay of a municipal planning scheme. Please refer to the relevant Heritage Study for more information about the significance of the place.

Assessment Against Criteria

Victorian Water Supply Heritage Study

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name Donnelly's Creek Weir and environs

Address Condons Gully HEALESVILLE

Building Type Weir

Date

Assessment by

File No

Grading
2007

Extent of Overlay

Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of local significance. It is included in the Heritage Overlay of a municipal planning scheme. Please refer to the relevant Heritage Study for more information about the significance of the place.

Assessment Against Criteria

Victorian Water Supply Heritage Study

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Donnellys Creek Weir, Sawpit Ck Weir, Echo Tunnel	File No
Address	off Road Fifteen, about 2km north of Healesville HEALESVILLE	Grading 2007
Building Type	Weir	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status **VHR** - **HI** - **PS** -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name Grace Burn Weir & Aqueduct
Address HEALESVILLE
Building Type Weir
Water Aqueduct

File No
Grading
2007

Date

Assessment by

Extent of Overlay

Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of local significance. It is included in the Heritage Overlay of a municipal planning scheme. Please refer to the relevant Heritage Study for more information about the significance of the place.

Assessment Against Criteria

Grace Burn Weir & Aqueduct
Hermes No 27643 Place Citation Report

01-Nov-2007

6:21 pm

Victorian Water Supply Heritage Study

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name Lake Eppalock
Address HEATHCOTE
Building Type Other - Utilities - Water
Date
Assessment by

File No
Grading
2007

Extent of Overlay
Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

The significance of this place is unknown as there is insufficient information. Further assessment is required in Stage 2.

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name Stone Slab Tank at Livingstone House

Address 138-66 Kilmore Road HEATHCOTE

Building Type Water Tank

Date

Assessment by

File No

Grading
2007

Extent of Overlay

Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of local significance. It is included in the Heritage Overlay of a municipal planning scheme. Please refer to the relevant Heritage Study for more information about the significance of the place.

Assessment Against Criteria

Victorian Water Supply Heritage Study

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Barwon Water Montpellier Basins & Water Reserve Basins 1, 2 & 3	File No
Address	100 Scenic Road HIGHTON	Grading 2007
Building Type	Water Supply Precinct	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of local significance. It is included in the Heritage Overlay of a municipal planning scheme. Please refer to the relevant Heritage Study for more information about the significance of the place.

Assessment Against Criteria

Victorian Water Supply Heritage Study

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name Lake Lonsdale
Address HORSHAM
Building Type Other - Utilities - Water
Date
Assessment by

File No
Grading
2007

Extent of Overlay
Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

(For further information please refer to Wimmera-Mallee Stock and Domestic Water Supply System (1996)).

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name Natimuk and Arapiles channels

Address HORSHAM

Building Type Water Supply Channel

Date

Assessment by

File No

Grading
2007

Extent of Overlay

Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

(For further information please refer to the LCC Historic Places Special Investigation South Western Victoria Final Recommendations pp.63-4).

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	State Rivers & Water Supply Commission offices	File No
Address	McLachlan Street HORSHAM	Grading 2007
Building Type	Other - Utilities - Water	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

The significance of this place is unknown as there is insufficient information. Further assessment is required in Stage 2.

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Old Inglewood Reservoir	File No
Address	off Nixon Street (also Greenhills Road) INGLEWOOD	Grading 2007
Building Type	Water Supply Reservoir/ Dam	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status **VHR** - **HI** - **PS** -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of local significance. It is included in the Heritage Overlay of a municipal planning scheme. Please refer to the relevant Heritage Study for more information about the significance of the place.

Assessment Against Criteria

Victorian Water Supply Heritage Study

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Water race	File No
Address	Woods Point Road JAMIESON	Grading 2007
Building Type	Other - Utilities - Water	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Weir	File No
Address	Wimmera River JEPARIT	Grading 2007
Building Type	Weir	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of local significance. It is included in the Heritage Overlay of a municipal planning scheme. Please refer to the relevant Heritage Study for more information about the significance of the place.

Assessment Against Criteria

Victorian Water Supply Heritage Study

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Crusoe reservoir wall, settling ponds and works	File No
Address	Crusoe Road - Big Hill KANGAROO FLAT	Grading 2007
Building Type	Water Supply Reservoir/ Dam Other - Utilities - Water	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of local significance. It is included in the Heritage Overlay of a municipal planning scheme. Please refer to the relevant Heritage Study for more information about the significance of the place.

Assessment Against Criteria

Victorian Water Supply Heritage Study

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Garden Hill (Timber dwelling and two in-ground water tanks)	File No
Address	425 Eltham-Yarra Glen Road KANGAROO GROUND	Grading 2007
Building Type	Water Tank	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status **VHR** - **HI** - **PS** -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of local significance. It is included in the Heritage Overlay of a municipal planning scheme. Please refer to the relevant Heritage Study for more information about the significance of the place.

Assessment Against Criteria

Victorian Water Supply Heritage Study

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name Katamatite Water Tower

Address KATAMATITE

Building Type Water Tower

Date

Assessment by

File No

Grading
2007

Extent of Overlay

Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

(For further information please refer to the John Monash 'Engineering enterprise prior to WW1' website
http://home.vicnet.net.au/~aholgate/jm/mainpages/list_main.html)

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Milburn's Weir	File No
Address	near Arundel Road, across Maribyrong River KEILOR	Grading 2007
Building Type	Weir	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status **VHR** - **HI** - **PS** -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of local significance. It is included in the Heritage Overlay of a municipal planning scheme. Please refer to the relevant Heritage Study for more information about the significance of the place.

Assessment Against Criteria

Victorian Water Supply Heritage Study

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Old Water Tower	File No
Address	Wellington Street (Pt Public Purposes Reserve RS5954) KERANG	Grading 2007
Building Type	Water Tower	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status **VHR** - **HI** - **PS** -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of local significance. It is included in the Heritage Overlay of a municipal planning scheme. Please refer to the relevant Heritage Study for more information about the significance of the place.

Assessment Against Criteria

Victorian Water Supply Heritage Study

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name Service reservoir
Address Cotham Road KEW
Building Type Water Supply Reservoir/ Dam
Date
Assessment by

File No
Grading
2007

Extent of Overlay
Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

The significance of this place is unknown as there is insufficient information. Further assessment is required in Stage 2.

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Riverview H2 Irrigation Flow Regulator	File No
Address	off Riverview Drive KIALLA	Grading 2007
Building Type	Irrigation Channel/Canal	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

(For further information please refer to Inventory and Report on Historic Places in the VEAC River Red Gum Forests Investigation Area 2007).

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Pumping Station	File No
Address	Murray Parade KOONDROOK	Grading 2007
Building Type	Irrigation Channel/Canal	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

(For further information please refer to Inventory and Report on Historic Places in the VEAC River Red Gum Forests Investigation Area 2007).

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Pumping station ruins	File No
Address	Murray Parade KOONDROOK	Grading 2007
Building Type	Water Pump House/Pumping Station	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

(For further information please refer to Inventory and Report on Historic Places in the VEAC River Red Gum Forests Investigation Area 2007).

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Water Tower (Koondrook)	File No
Address	Murray Parade KOONDROOK	Grading 2007
Building Type	Water Tower	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status **VHR** - **HI** - **PS** -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

(For further information please refer to Inventory and Report on Historic Places in the VEAC River Red Gum Forests Investigation Area 2007).

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name Koroit Waterworks Trust tunnel
Address High Street [underground] KOROIT
Building Type Water Tunnel
Date
Assessment by

File No
Grading
2007

Extent of Overlay
Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

(For further information please refer to Moyne Shire Heritage Study 2002)

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name Railway reservoir and channel system

Address Vernon Street KORONG VALE

Building Type Water Supply Channel

Water Supply Reservoir/ Dam

Date

Assessment by

File No

Grading
2007

Extent of Overlay

Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held

Architectural Style No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of local significance. It is included in the Heritage Overlay of a municipal planning scheme. Please refer to the relevant Heritage Study for more information about the significance of the place.

Assessment Against Criteria

Railway reservoir and channel system

Hermes No 27540

Place Citation Report

01-Nov-2007

6:21 pm

Victorian Water Supply Heritage Study

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name Railway Water Tower
Address Vernon Street KORONG VALE

File No
Grading
2007

Building Type Water Tower

Date

Assessment by

Extent of Overlay

Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of local significance. It is included in the Heritage Overlay of a municipal planning scheme. Please refer to the relevant Heritage Study for more information about the significance of the place.

Assessment Against Criteria

Victorian Water Supply Heritage Study

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Korumburra No. 1 Dam	File No
Address	KORUMBURRA	Grading 2007
Building Type	Water Supply Reservoir/ Dam	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

(For further information please refer to the ANCOLD Register of Large Dams)

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Korumburra No. 3 Dam	File No
Address	(on) Bellview Creek KORUMBURRA	Grading 2007
Building Type	Water Supply Reservoir/ Dam	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

(For further information please refer to the ANCOLD Register of Large Dams)

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Water tower	File No
Address	Albion Street KYABRAM	Grading 2007
Building Type	Water Tower	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status **VHR** - **HI** - **PS** -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of local significance. It is included in the Heritage Overlay of a municipal planning scheme. Please refer to the relevant Heritage Study for more information about the significance of the place.

Assessment Against Criteria

Victorian Water Supply Heritage Study

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name Bluestone Road Bridge Abutments and weirs

Address St Agnes Place KYNETON

Building Type Weir

Date

Assessment by

File No

Grading
2007

Extent of Overlay

Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of local significance. It is included in the Heritage Overlay of a municipal planning scheme. Please refer to the relevant Heritage Study for more information about the significance of the place.

Assessment Against Criteria

Victorian Water Supply Heritage Study

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name Lauriston reservoir
Address KYNETON
Building Type Water Supply Reservoir/ Dam
Date
Assessment by

File No
Grading
2007

Extent of Overlay
Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

The significance of this place is unknown as there is insufficient information. Further assessment is required in Stage 2.

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name Pump engine house works (ruins)
Address Macalister street KYNETON
Building Type Water Pump House/Pumping Station
Date
Assessment by

File No
Grading
2007

Extent of Overlay
Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

The significance of this place is unknown as there is insufficient information. Further assessment is required in Stage 2.

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Upper Coliban Dam	File No
Address	Coliban River KYNETON	Grading 2007
Building Type	Water Supply Reservoir/ Dam	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

(For further information please refer to the ANCOLD Register of Large Dams)

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Laanecoorie Weir	File No
Address	off Eddington-Laanecoorie Road LAANECOOIE	Grading 2007
Building Type	Weir	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of local significance. It is included in the Heritage Overlay of a municipal planning scheme. Please refer to the relevant Heritage Study for more information about the significance of the place.

Assessment Against Criteria

Victorian Water Supply Heritage Study

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name Lake Boga Pump Memorial
Address Murray Valley Highway LAKE BOGA
Building Type Water Pump House/Pumping Station
Memorial

File No
Grading
2007

Date

Assessment by

Extent of Overlay

Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of local significance. It is included in the Heritage Overlay of a municipal planning scheme. Please refer to the relevant Heritage Study for more information about the significance of the place.

Assessment Against Criteria

Lake Boga Pump Memorial
Hermes No 27613 Place Citation Report

01-Nov-2007

6:21 pm

Victorian Water Supply Heritage Study

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name Lake Boga Urban Water Supply
Address West Shore, Lake Boga LAKE BOGA

File No
Grading
2007

Building Type Water Supply Precinct

Date

Assessment by

Extent of Overlay

Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

DSE Historic Places Inventory (This inventory is an Access database held in September 2007 by the Public Assets Branch of the Department of Sustainability and Environment)

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name Tresco Irrigation System

Address LAKE BOGA

Building Type Water Supply Precinct

Date

Assessment by

File No

Grading
2007

Extent of Overlay

Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

(For further information please refer to the Hallows & Thompson, 1995, 'The History of Irrigation in Australia')

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Apex Park Water Bore	File No
Address	Marine Parade LAKES ENTRANCE	Grading 2007
Building Type	Other - Utilities - Water	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status **VHR** - **HI** - **PS** -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

(For further information please refer to East Gippsland Shire Heritage Study 2005).

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name Lal Lal Railway Station water tank

Address Eaglesons Road LAL LAL

Building Type Water Tank

Date

Assessment by

File No

Grading
2007

Extent of Overlay

Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of local significance. It is included in the Heritage Overlay of a municipal planning scheme. Please refer to the relevant Heritage Study for more information about the significance of the place.

Assessment Against Criteria

Victorian Water Supply Heritage Study

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name Bowlers Hill Holding Basin

Address LEONGATHA

Building Type Other - Utilities - Water

Date

Assessment by

File No

Grading
2007

Extent of Overlay

Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

(For further information please refer to the Murphy, John, 'Town Water: A history of Leongatha Waterworks Trust 1905-1983, Leongatha Sewerage Authority 1939-1983 and Leongatha Water Board 1984-1993', 2005)

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name Leongatha No. 1 Dam
Address (on) Ruby Creek LEONGATHA

File No
Grading
2007

Building Type Water Supply Reservoir/ Dam

Date

Assessment by

Extent of Overlay

Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

(For further information please refer to the ANCOLD Register of Large Dams)

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name Leongatha No. 2 Dam
Address (on) Ruby Creek LEONGATHA

File No
Grading
2007

Building Type Water Supply Reservoir/ Dam

Date

Assessment by

Extent of Overlay

Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

(For further information please refer to the ANCOLD Register of Large Dams)

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Leongatha No.3 Dam	File No
Address	Ruby Creek LEONGATHA	Grading 2007
Building Type	Water Supply Reservoir/ Dam	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

(For further information please refer to the ANCOLD Register of Large Dams or Murphy, John, 'Town Water: A history of Leongatha Waterworks Trust 1905-1983, Leongatha Sewerage Authority 1939-1983 and Leongatha Water Board 1984-1993', 2005)

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Water Treatment Plant	File No
Address	Harvey's Road LEONGATHA	Grading 2007
Building Type	Water Pump House/Pumping Station	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status **VHR** - **HI** - **PS** -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

(For further information please refer to the South Gippsland Shire Heritage Study 2004)

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Cave Hill Water Race	File No
Address	Melba Avenue LILYDALE	Grading 2007
Building Type	Other - Utilities - Water	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status **VHR** - **HI** - **PS** -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

(For further information please refer to Yarra Ranges Shire Heritage Study 2000).

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name Schroen Irrigation Improvements

Address Singer Road LOCKINGTON

Building Type Other - Utilities - Water

Date

Assessment by

File No

Grading
2007

Extent of Overlay

Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

Inventory and Report on Historic Places in the VEAC River Red Gum Forests Investigation Area 2007)

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Kinipanal Creek Weir	File No
Address	Kinipanal Creek LODDON VALE	Grading 2007
Building Type	Weir	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status **VHR** - **HI** - **PS** -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

(For further information please refer to Inventory and Report on Historic Places in the VEAC River Red Gum Forests Investigation Area 2007)

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Longerenong Diversion (Wilson's Weir)	File No
Address	West of Burnt Clay Road LONGERENONG	Grading 2007
Building Type	Weir	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

DSE Historic Places Inventory (This inventory is an Access database held in September 2007 by the Public Assets Branch of the Department of Sustainability and Environment)

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name Barwon Water Lovely Banks Basin
Address 600-2 Anakie Road LOVELY BANKS

File No
Grading
2007

Building Type Other - Utilities - Water

Date

Assessment by

Extent of Overlay

Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of local significance. It is included in the Heritage Overlay of a municipal planning scheme. Please refer to the relevant Heritage Study for more information about the significance of the place.

Assessment Against Criteria

Victorian Water Supply Heritage Study

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name Lysterfield Lake weir and reservoir

Address LYSTERFIELD

Building Type Weir

Water Supply Reservoir/ Dam

Date

Assessment by

File No

Grading

2007

Extent of Overlay

Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or

Victorian Water Supply Heritage Study

- as a key place associated with an important theme in Victoria's water supply heritage.

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name Boisdale Homestead water tower
Address Maffra-Briagolong Road MAFFRA

File No
Grading
2007

Building Type Water Tower

Date

Assessment by

Extent of Overlay

Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of local significance. It is included in the Heritage Overlay of a municipal planning scheme. Please refer to the relevant Heritage Study for more information about the significance of the place.

Assessment Against Criteria

Victorian Water Supply Heritage Study

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name Lake Glenmaggie
Address MAFFRA
Building Type Other - Utilities - Water
Date
Assessment by

File No
Grading
2007

Extent of Overlay
Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

The significance of this place is unknown as there is insufficient information. Further assessment is required in Stage 2.

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Macalister River (Maffra) Weir and Eastern Channel	File No
Address	(on) Macalister River MAFFRA	Grading 2007
Building Type	Water Supply Reservoir/ Dam Irrigation Channel/Canal	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or

Victorian Water Supply Heritage Study

- as a key place associated with an important theme in Victoria's water supply heritage.

(For further information please refer to the Hallows & Thompson, 1995, 'The History of Irrigation in Australia')

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Maffra-Sale Irrigation & Water Supply District channel system	File No
Address	MAFFRA	Grading 2007
Building Type	Irrigation Channel/Canal	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or

Victorian Water Supply Heritage Study

- as a key place associated with an important theme in Victoria's water supply heritage.

(For further information please refer to the Hallows & Thompson, 1995, 'The History of Irrigation in Australia')

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Stand Pipe	File No
Address	corner London & Talbot Streets MAJORCA	Grading 2007
Building Type	Water Pipe	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of local significance. It is included in the Heritage Overlay of a municipal planning scheme. Please refer to the relevant Heritage Study for more information about the significance of the place.

Assessment Against Criteria

Victorian Water Supply Heritage Study

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Cairn Curran reservoir	File No
Address	(off) Maldon-Newstead Road MALDON	Grading 2007
Building Type	Water Supply Reservoir/ Dam	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

The significance of this place is unknown as there is insufficient information. Further assessment is required in Stage 2.

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Malvern Hill Springs	File No
Address	Public Gardens, Spring St MALVERN	Grading 2007
Building Type	Spring	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status **VHR** - **HI** - **PS** -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

The significance of this place is unknown as there is insufficient information. Further assessment is required in Stage 2.

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Remnants of Chinese Weir	File No
Address	Ovens River MARKWOOD	Grading 2007
Building Type	Weir	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

Inventory and Report on Historic Places in the VEAC River Red Gum Forests Investigation Area 2007)

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Maryborough reservoir	File No
Address	MARYBOROUGH	Grading 2007
Building Type	Water Supply Reservoir/ Dam	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status **VHR** - **HI** - **PS** -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

The significance of this place is unknown as there is insufficient information. Further assessment is required in Stage 2.

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Maryborough water tower	File No
Address	on hill, northwest off Burns Street, 2km north of Railway Station MARYBOROUGH	Grading 2007
Building Type	Water Tower	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status **VHR** - **HI** - **PS** -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held

Victorian Water Supply Heritage Study

Name	Tullaroop Reservoir	File No
Address	MARYBOROUGH	Grading 2007
Building Type	Water Supply Reservoir/ Dam	
Date		
Assessment by		Extent of Overlay Refer recommendations.

Condition

Heritage Status VHR - HI - PS -

Designer / Architect No information held **Architectural Style** No information held

Maker / Builder No information held

Integrity No information held

History and Historical Context

Relevant Historical Australian Themes

No information held

Description

No information held

Comparative Analysis

Statement of Significance

This place is of potential significance:

- as part of a system where other parts are already included in the HO or VHR, or
- as a place that has been identified and/or assessed by a heritage study, report, register or database, or
- as a key place associated with an important theme in Victoria's water supply heritage.

Victorian Water Supply Heritage Study

The significance of this place is unknown as there is insufficient information. Further assessment is required in Stage 2.

Assessment Against Criteria

No information held

Recommendations (2007)

Heritage Study Planning Scheme Recommendations

External Paint Controls	No information held
Internal Alteration Controls	No information held
Tree Controls	No information held
Fences & Outbuildings	No information held
Prohibited Uses May Be Permitted	No information held
Incorporated Plan	No information held
Aboriginal Heritage Place	No information held

Other Recommendations

No information held

References

No references held