



Merrimu & Parwan Local Management Plan

Version 1

April 2023

Version Control

Version	Change summary	Date
1	Removed from previous Catchment Statement and presented as a standalone Local Management Plan for Merrimu GMA and Pawan Trading Zone. Minor administrative updates included.	April 2023

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Purpose of this document

This Local Management Plan (LMP) documents the current management arrangements for the Merrimu groundwater management area (GMA) and the Parwan Trading Zone. The objective of the plan is to ensure the equitable sharing and long-term sustainability of the groundwater resource.

The plan aims to clearly and simply explain how groundwater is managed in this area, this includes information on the boundaries and depth of the management area, the cap on total annual groundwater licensed volume, how groundwater licences can be accessed (via a trade of entitlement), and the metering requirements.

The LMP will be reviewed on an as needs basis. The aim of future reviews will be to improve existing management and where possible to make management less complex, while ensuring equitable sharing and long-term sustainability of the resource.



SIMON WILKINSON

General Manager Service Delivery

12 April 2023

Merrimu GMA and Parwan Trading Zone Local Management Plan

Objective of the Local Management Plan

The objective of the LMP is to ensure that the groundwater resources in the Merrimu Groundwater Management Area (GMA) are managed in an equitable and sustainable manner.

Merrimu GMA

Area description

The Merrimu GMA is shown below. The Merrimu GMA underlies the Bacchus Marsh Irrigation District. The plan is lodged with the Central Plan Office, reference number LEGL./04-145. The Merrimu GMA is intended to manage the Quaternary shallow aquifer system above the Maddingly Coal.

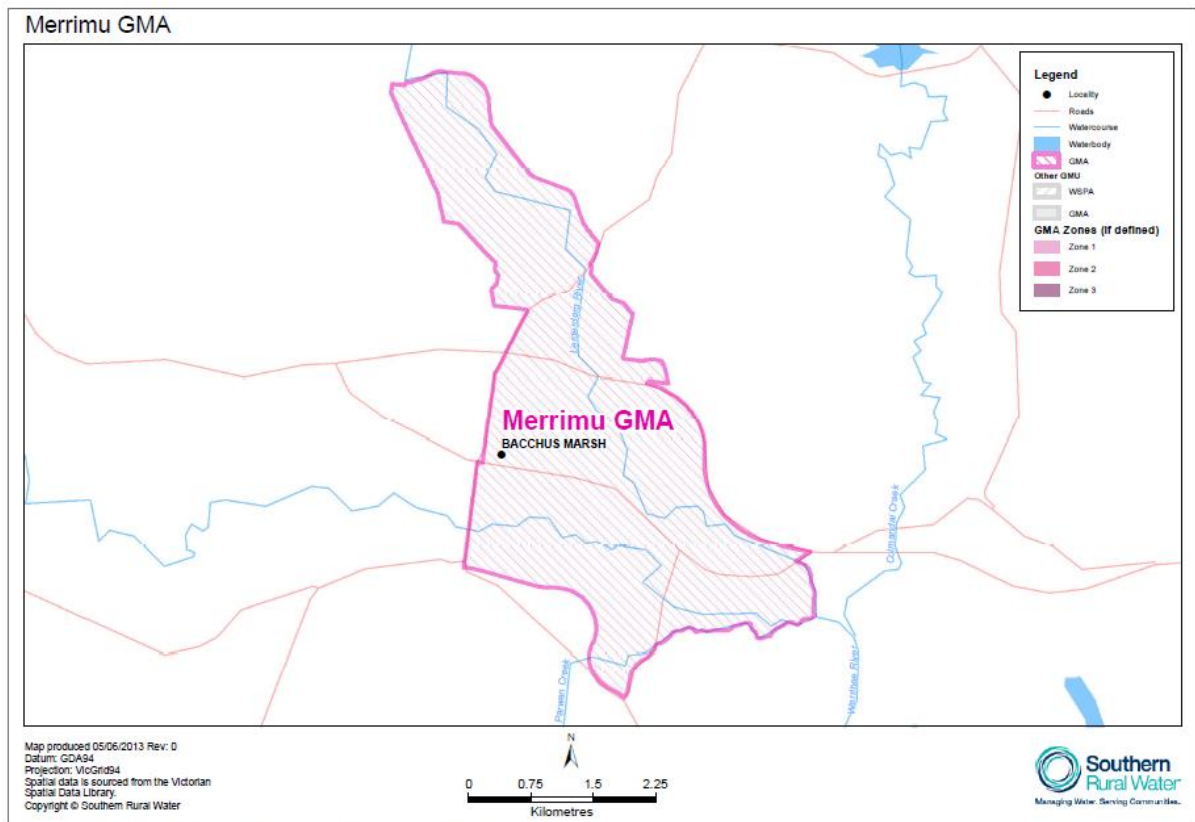


Figure 1: Map of Merrimu Groundwater Management Area

Permissible Consumptive Volume

A Permissible Consumptive Volume (PCV) currently applies to the Merrimu GMA. The PCV is a cap on the amount of groundwater allocated in this management unit. The PCV for Merrimu GMA is 451 ML/yr.

The PCV applies to the area covered in Figure 1, for all formations from the surface to 30m below the surface.

Water entitlements

The extraction of groundwater for purposes other than domestic and stock use is authorised under a groundwater licence. There is 1 groundwater licence in the Merrimu GMA that authorise a total extraction of 8.4ML. People have rights to take groundwater for domestic and stock use without a groundwater licence.

Restrictions

The PCV determines the maximum volume of water that can be extracted from the Merrimu GMA; however, the local management plan does not place specific restrictions on taking groundwater.

If necessary, Southern Rural Water (SRW) is able to temporarily qualify rights to groundwater under section 33AAA of the *Water Act 1989* if a water shortage occurs - for example, if regional drawdown is affecting access to groundwater by users.

Groundwater licences also allow SRW to restrict extraction if required - for example, to minimise the effect of extraction from specific sites if there is a significant impact on nearby users or the aquifer. If restrictions are necessary, SRW will notify licence holders in advance.

Trading

In considering an application to transfer a licence temporarily or permanently, SRW must undertake a thorough assessment of the application. An application to transfer a licence is not automatically approved. In deciding whether or not to approve an application SRW must consider section 40 of the Act, including:

- Availability of water now and in the future;
- Adverse effects that an approval may have on existing users, on waterways and aquifers and on the environment; and
- Existing and projected water quality in the GMA.

When an application is made, SRW will assess whether groundwater extractions at the new site will cause adverse and material interference to any nearby groundwater user. If interference is likely, SRW may set transfer conditions to minimise interference, or it may refuse the application. Approval of an application to transfer may be subject to technical assessments to determine bore interference and impact on surface water bodies.

In the Merrimu GMA:

- Permanent transfers are permitted
- Temporary transfers are permitted for a period of up to five years

New licences

New licences can be issued up to the PCV and in accordance with the *Water Act 1989* and policies for managing take and use licences. The availability of any unallocated entitlement will be determined in accordance with State Policy on unallocated water.

Metering

SRW meters new and existing groundwater users with an annual volume greater than 20ML¹. This allows SRW to keep track of how much water is being used and enables licence holders to keep within their allocated volume.

The meters are supplied by SRW, and the licence holder is responsible for paying the full cost of the meter and initial installation. The meter remains the property of SRW and SRW is responsible for maintenance and replacement.

Meters are read at least twice per year.

Consultation

SRW will consult with licence holders and relevant stakeholders before making changes to the LMP, other than administrative changes or clarifications.

The LMP will be reviewed on an as-needs basis.

¹ Except where metering is physically impractical, or where it is high risk from a health and safety perspective

Parwan Trading Zone Local Management Plan

Area description

The Parwan Trading Zone is shown below. The Parwan Trading zone is intended to manage the Lower Tertiary Aquifer system below the Maddingly Coal, under the area of the Bacchus Marsh Irrigation District.

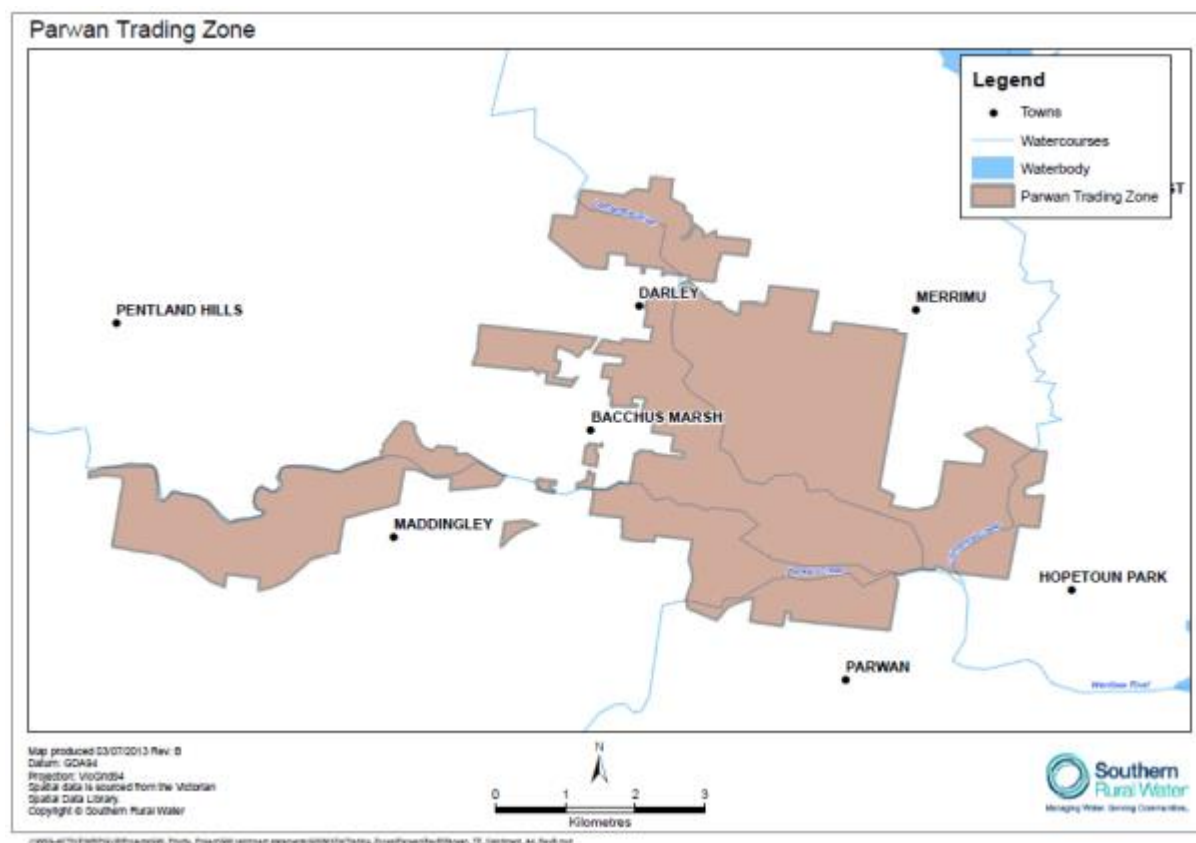


Figure 2: Map of Parwan Trading Zone.

Permissible Consumptive Volume

There are no PCVs that currently apply to this area or its zones.

Water entitlements

The extraction of groundwater for purposes other than domestic and stock use is authorised under a groundwater licence. People have rights to take groundwater for domestic and stock use without a groundwater licence.

The majority of groundwater licensed in the Parwan Trading Zone is for irrigation purposes. Metered groundwater use is less than the total groundwater entitlements and varies each year according to the seasonal conditions.

Licence holders must not take more than their annual licence volumes.

Restrictions

If necessary, SRW is able to temporarily qualify rights to groundwater under section 33AAA of the *Water Act 1989* (the Act) if a water shortage occurs - for example, if regional drawdown is affecting access to groundwater by users.

Groundwater licences also allow SRW to restrict extraction if required - for example, to minimise the effect of extraction from specific sites if there is a significant impact on nearby users or the aquifer. If restrictions are necessary, SRW will notify licence holders in advance.

New Licences

New groundwater licences (additional entitlement) will not be issued in the Parwan Trading Zone because this may adversely impact on the sustainability of the local groundwater and surface water resource, however temporary or permanent trade of existing entitlement is allowed.

Trading

In considering an application to transfer a licence (temporarily or permanently), SRW must undertake a thorough assessment of the application. An application to transfer a licence is not automatically approved. In deciding whether or not to approve an application SRW must consider section 40 of the Act, including:

- Availability of water now and projections of future availability;
- Adverse effects that an approval may have on existing users, on waterways and aquifers and on the environment; and
- Existing and projected water quality in the GMA.

When an application is made, SRW will assess whether groundwater extractions at the new site will cause adverse and material interference to any nearby groundwater user. If interference is likely, SRW may set transfer conditions to minimise interference, or it may refuse the application. Approval of an application to transfer may be subject to technical assessments to determine bore interference and impact on surface water bodies.

There are groundwater transfer rules that apply to the Parwan trading zone. These include:

- Transfers within the Parwan Trading Zone are permitted
- Transfers from the Parwan Trading Zone to the Merrimu GMA are not permitted
- Transfers from the Parwan Trading Zone to capped GMAs and WSPAs are not permitted
- SRW may use its discretion to allocate additional entitlement temporarily to manage seasons where the allocation from the Bacchus Marsh Irrigation District is low.

Metering

Southern Rural Water meters new and existing groundwater users with an annual volume greater than 20ML². This allows SRW to keep track of how much water is being used and enables licence holders to keep within their allocated volume.

The meters are supplied by SRW, and the licence holder is responsible for paying the full cost of the meter and initial installation. The meter remains the property of SRW and SRW is responsible for maintenance and replacement.

Meters are read at least twice per year.

Consultation

SRW will consult with licence holders and relevant stakeholders before making changes to the LMP, other than administrative changes or clarifications.

The LMP will be reviewed on an as-needs basis.

² [Except where metering is physically impractical, or where it is high risk from a health and safety perspective](#)