

Glenthompson, Coleraine/Casterton, Mortlake Water Supply Catchments

A Proposal for Proclamation

Yuppeckiar Creek Reservoir (Glenthompson)
Konong Wootong Reservoir (Coleraine)
Mortlake Spring (Mortlake)

**Statement for consideration by the
Land Conservation Council**

January 1989

Land Protection Division

Department of Conservation, Forests and Land

YUPPECKIAR CREEK RESERVOIR (GLENTHOMPSON) WATER SUPPLY CATCHMENT

The catchment, in Western Victoria, is northward draining on low rolling hills to the south of the Glenelg Highway at Glenthompson. The catchment drains into Yuppeckiar Creek which drains into a low lying inundated area within the Hopkins River Basin.

The catchment to the reservoir is 120 ha in area. The catchment extends upstream from the wall of the reservoir located in Crown Allotment 15A, Parish of Nanapundah.

The Catchment

The topography consists of rolling gentle to moderately sloping sedimentary hills. The vegetation is predominantly pasture with occasional trees, mainly red gum.

Rainfall/Elevation

Glenthompson	664 mm	296 m
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Land Use and Tenure

The catchment is all freehold land. The immediate area around the reservoir (10%) is held under title by the Shire of Mt. Rouse. The remaining area is used for grazing (mainly sheep).

The Land Conservation Council (LCC) recommendations for the use of public land in the area are contained in "Final Recommendations, Corangamite Study Area, LCC".

Water Supply System

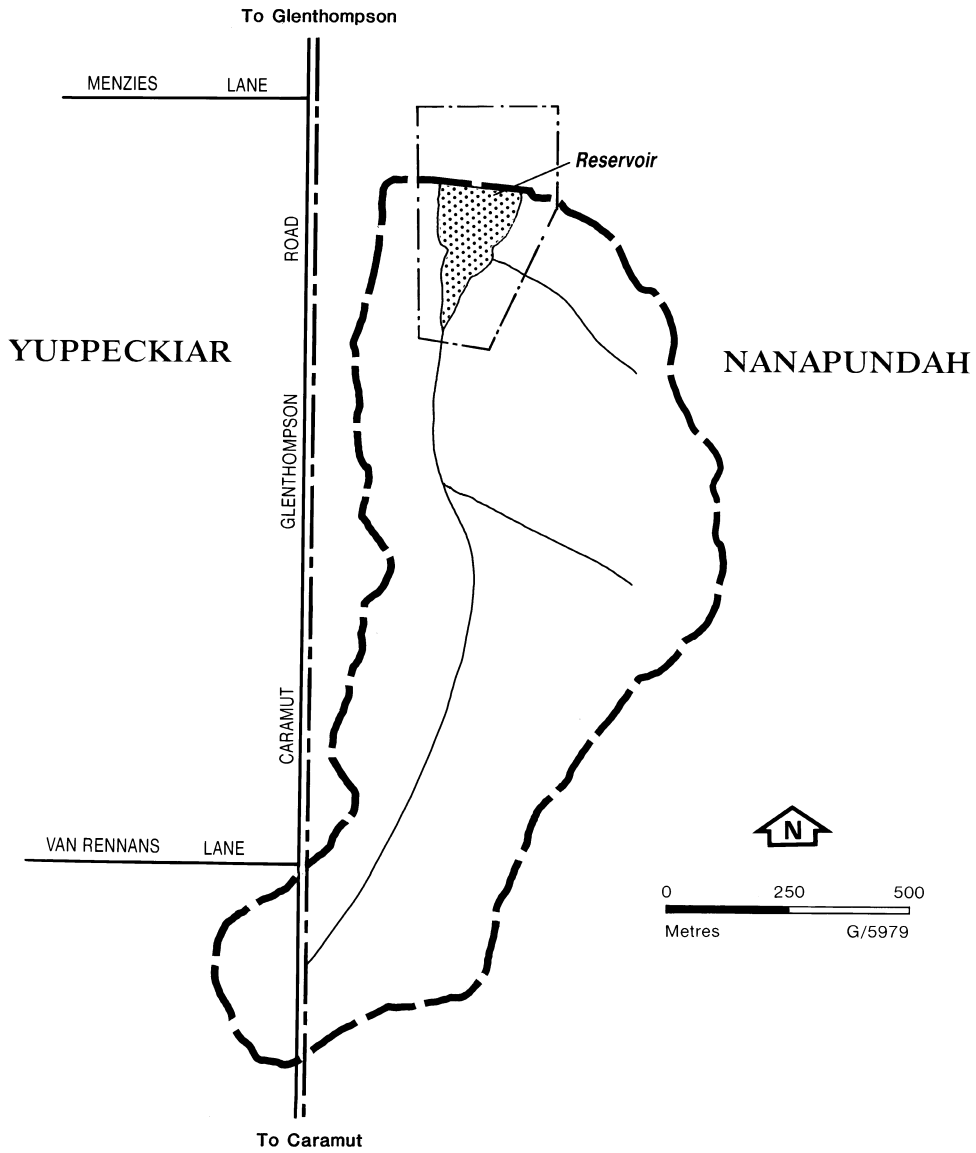
The reservoir (110 ML) supplies the township of Glenthompson (population 250). As well as the natural catchment some water to the reservoir is obtained from the Grampians (generally about 32 ML every Autumn), supplied via pipeline from the Wilaura township water supply system. In terms of water quality, there is a high level of iron in the water.

Administrative Areas

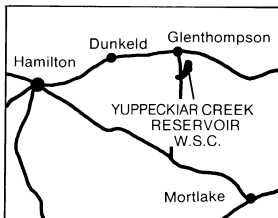
Parishes: Nanapundah, Yuppeckiar

Municipality: Shire of Mt. Rouse.

PLAN No. S-1486
YUPPECKIAR CREEK RESERVOIR (GLENTHOMPSON)
WATER SUPPLY CATCHMENT



LOCALITY PLAN



LEGEND

- Catchment boundary
- Parish boundary
- BEERIK** Parish name

KONONG WOOTONG RESERVOIR (COLERAINE) WATER SUPPLY CATCHMENT

The catchment in Western Victoria, is southward draining on strongly dissected terrain, north of Coleraine. The catchment drains into Den Hills Creek, tributary to the Wannon River within the Glenelg River Basin.

The catchment to the reservoir (1,100 ha) extends upstream from the wall of the reservoir located in Crown Allotment 4, Section XII, Parish of Beerik.

The Catchment

The catchment topography consists of dissected (plateau) terrain of moderate to steep hills, on glacially worked sediments and younger sediments which form the capping of the dissected plateau. The vegetation consists of pasture with occasional tress (eucalypts).

Rainfall/Elevation

Coleraine	613mm	94 m
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Land Tenure and Use

Public land (9%) is confined to the immediate area around the reservoir (E21) held under title by the Glenelg-Wannon Water Board. The reservoir reserve is used for passive recreation. Angling is a popular activity. Freehold land which accounts for the remaining area of the catchment (91%) is used predominantly for grazing.

The Land Conservation Council (LCC) recommendations for the use of public land in this area are contained in "Final Recommendations, South Western Area District 2, 1982, LCC." LCC recommendations are shown in brackets.

Water Supply System

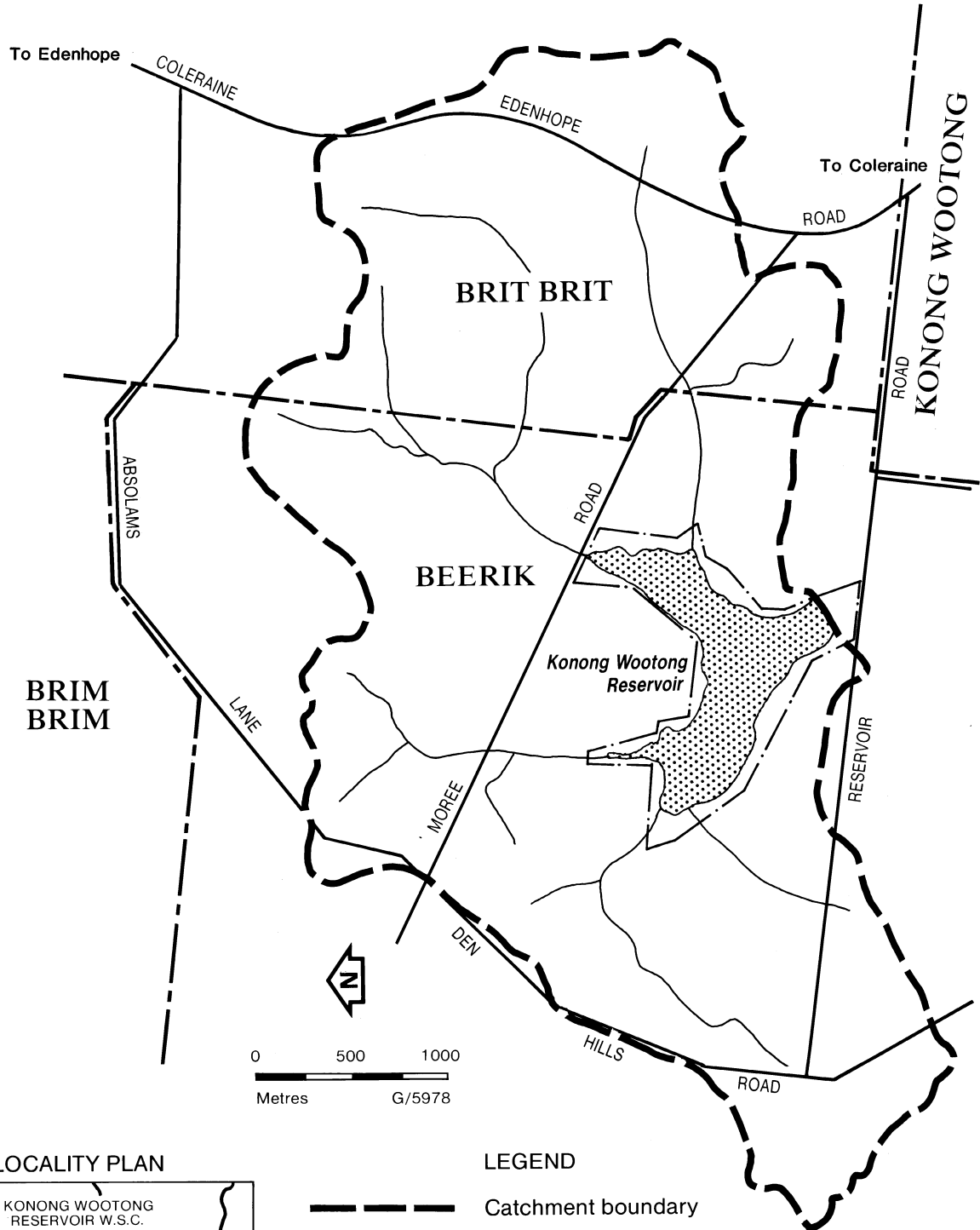
The reservoir (995 ML) supplies the townships of Coleraine (population 1,600) and Casterton (population 2,500) via gravity fed pipelines. The reservoir is managed by the Glenelg-Wannon Water Board. The water is moderately hard, is slightly above salinity levels recommended for drinking water and is untreated.

Administrative Areas

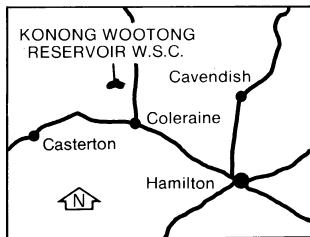
Parishes: Beerik, Brit Brit

Municipality: Shire of Wannon

PLAN No. S-1487
KONONG WOOTONG RESERVOIR (COLERAINE)
WATER SUPPLY CATCHMENT



LOCALITY PLAN



LEGEND

- Catchment boundary
- Parish boundary
- BEERIK** Parish name

MORTLAKE SPRING (MORTLAKE) GROUNDWATER SUPPLY CATCHMENT

The catchment, in Western Victoria, lies in the vicinity of Mortlake on the Hamilton Highway. The spring is located on the south eastern edge of the township on a low rise. The spring is currently thought to be part of a shallow groundwater aquifer which is linked to Mt. Shadwell (to the north of Mortlake) which functions as an intake area for this aquifer.

The nearest surface drainage line is Stoney Creek which flows into the Hopkins River. The spring is located near the corner of Church Street and Boundary Road, Mortlake.

The Catchment

The topography of the area consists of low rises giving way to a floodplain to the south and increasing elevation to the north, dominated by a volcanic (scoria) cone; Mt. Shadwell. The vegetation outside the township is pasture with scattered eucalypts, mainly redgum.

The shallow groundwater aquifer seems to be associated with a calcium rich layer within basaltic deposits.

Rainfall/Elevation

Mortlake	680 mm	131 m
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Land Use and Tenure

The area around Mortlake township is predominantly freehold land. There is a scoria quarry at Mt. Shadwell operated by Mortlake Shire Council.

The Land Conservation Council (LCC) recommendations for the use of public land in the area are contained in "Final Recommendations, Corangamite Study Area, LCC."

Water Supply System

The spring supplies the township of Mortlake (population 1,250). A bore located north east of the town provides a supplementary source in high demand periods. This bore is thought to draw from the same aquifer. The town water is stored in a 3.4 ML storage tank to the north of the town. In terms of quality the water is slightly hard. High nitrate and *E. coli* levels are occasional problems.

Administrative Areas

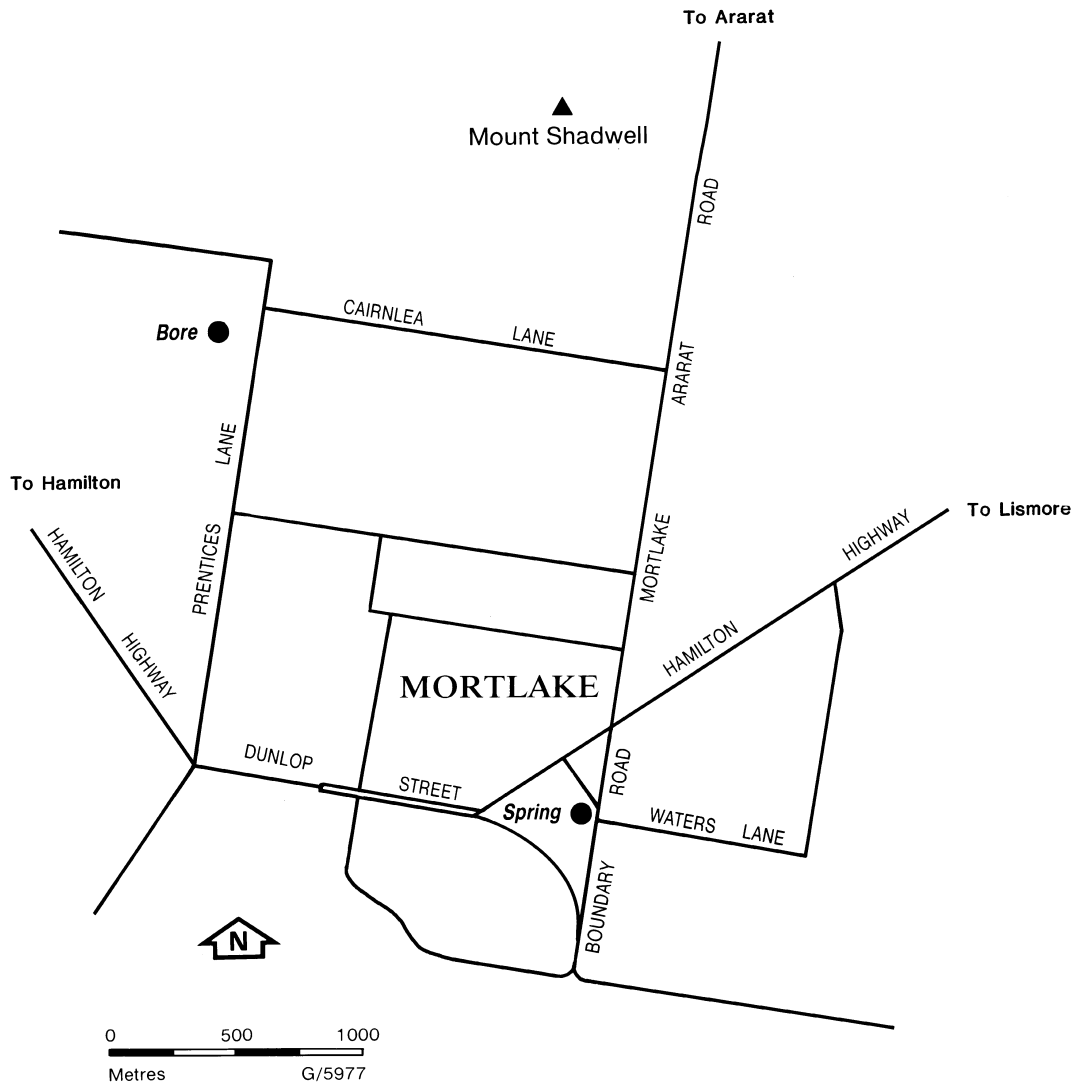
Parish: Mortlake

Municipality: Shire of Mortlake

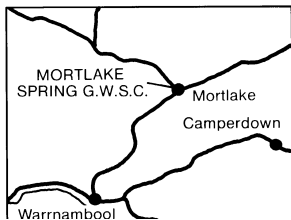
Note: The catchment area to this spring requires further investigation to define the ground water recharge area. This catchment has been added to the list of other groundwater recharge areas in the accelerated proclamation program for further evaluation and possible groundwater investigation.

A recommendation will be made for this catchment area when further evaluation has been completed.



PLAN No. S-1488
MORTLAKE SPRING (MORTLAKE)
GROUNDWATER SUPPLY CATCHMENT



LOCALITY PLAN



LEGEND

-  Catchment boundary
-  Parish boundary
- BEERIK** Parish name

RECOMMENDATIONS

1. That the Land Conservation Council, under Section 5(1)(b) of the *Land Conservation Act* 1970, recommend to the Governor-in-Council that the following catchments be proclaimed under Section 22(1) of the *Soil Conservation and Land Utilization Act* 1958:
 - Yuppeckiar Creek Reservoir (Glenthompson) Water Supply Catchment, Plan No. S-1486
 - Konong Wootong Reservoir (Coleraine) Water Supply Catchment, Plan No. S-1487.