

Beaufort and Ararat Water Supply Catchments

A Proposal for Proclamation

Fiery Creek Tributaries (Beaufort)
Musical Gully and Troy Reservoirs (Beaufort)
Langi Ghiran Reservoir (Ararat)
Picnic Road Reservoir (Ararat)

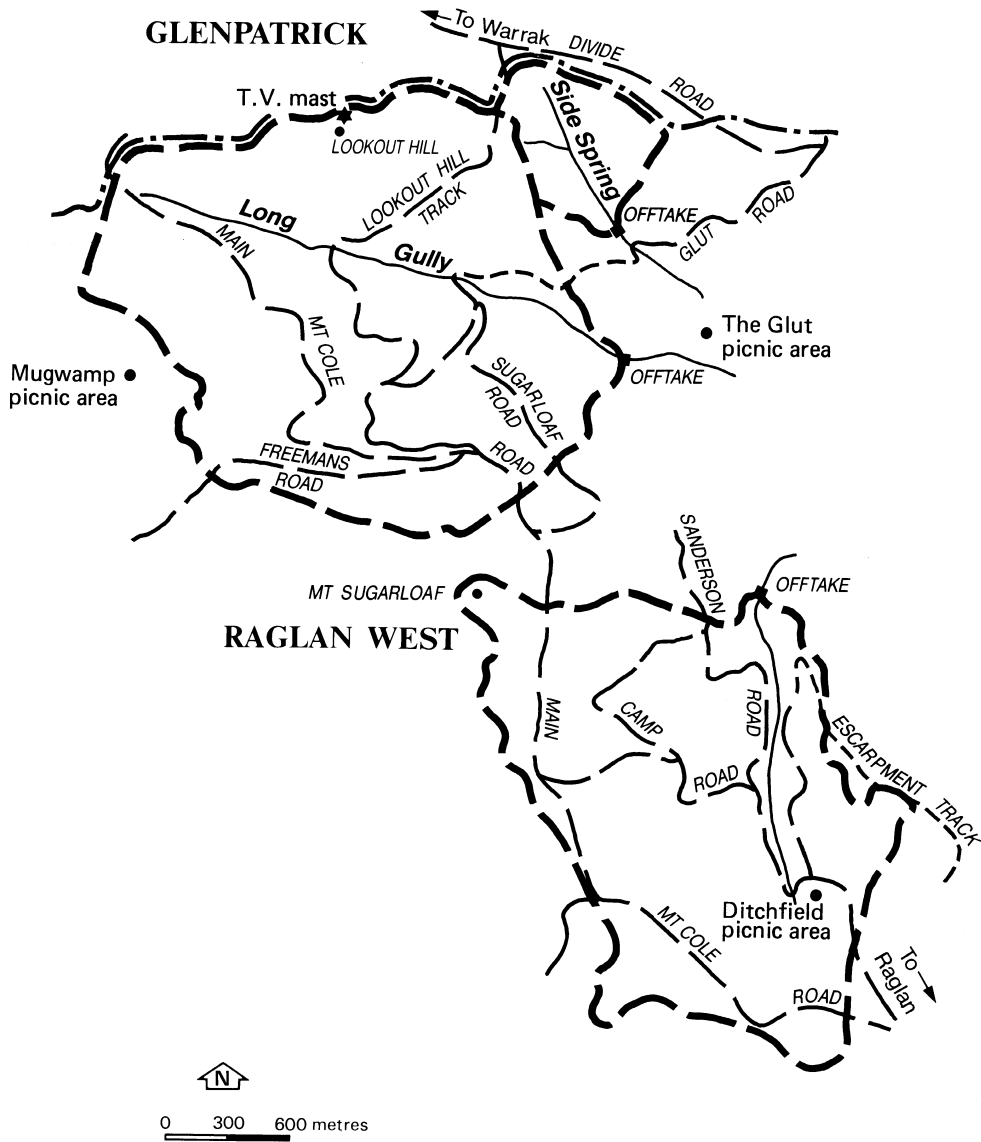
**Statement prepared for consideration by the
Land Conservation Council**

July 1988

Land Protection Division

Department of Conservation, Forests and Lands

PLAN No. S-1476
FIERY CREEK TRIBUTARIES (BEAUFORT)
WATER SUPPLY CATCHMENT

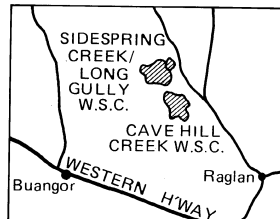


0 300 600 metres

LEGEND

- Catchment boundary
- Parish boundary
- RAGLAN WEST** Parish name
- Unsealed Road
- Track

LOCALITY PLAN



G/5896

FIERY CREEK TRIBUTARIES (BEAUFORT)

WATER SUPPLY CATCHMENT

The catchment (comprising sub-catchments Cave Hill Creek, Side Spring and Long Gully) is in Western Victoria and drains the southern slopes of the Western Highlands (Mt Cole Massif). The Great Dividing Range forms the northern boundary of these catchments which are part of the upper headwaters of Fiery Creek within the Hopkins River Basin.

The areas of Cave Hill Creek (322 ha), Side Spring (41 ha) and Long Gully (388 ha) under consideration are upstream of the Beaufort water supply offtakes within the Parish of Raglan West.

The Catchment

The topography of the catchment consists of undulating granitic mountain with plateau (moderately sloping upland valleys) but steep slopes below the plateau (near the Cave Hill Creek offtake). Tall wet sclerophyll forest is the dominant vegetation with "wet" moisture regime understorey, particularly around the streamlines.

Elevation/Rainfall

Beaufort	387 m	686 mm
Lookout Hill	905 m	1238 mm

Land Tenure and Use

The catchment area is all public land.

Side Spring catchment is entirely within the Mt Cole State Forest (E3). Long Gully catchment comprises over 99% of Mt Cole State forest (E3) and less than 1% of section 50 reserve (E3). Cave Hill Creek catchment comprises over 80% of Mt Cole State Forest (E3), 9% of Mt Buangor State Park (A2) and over 10% of section 50 reserve (E3).

The Land Conservation Council (LCC) recommendations for the use of public land in this area are contained in "Final Recommendations, Ballarat Study Area, 1982, LCC". Specific recommendations appear in brackets.

Water Supply Systems

Small offtake weirs (D4) on the above streams divert water to two service reservoirs (D8, D9) for distribution to Beaufort (population 1400). The Beaufort Water Board is the responsible water supply authority.

Administrative Areas

Parish: Raglan West
Municipality: Shire of Ripon

MUSICAL GULLY & TROY RESERVOIRS (BEAUFORT) WATER SUPPLY CATCHMENTS

The catchments are in Western Victoria and drain the western slopes of low hills to the north of Beaufort within the Hopkins River Basin.

The area of Musical Gully Reservoir catchment (53 ha) is upstream of Musical Gully Reservoir dam (within CA 7C of Section A) in the Parish of Beaufort.

The area of Troy Reservoir catchment (31 ha) is upstream of Troy Reservoir dam (within CA 4 of Section I) in the Parish of Beaufort.

The Catchment

The catchment topography consists of rolling, moderately incised sedimentary terrain. Soil development is variable but greater on lower slopes. The major vegetation type is low to moderate dry sclerophyll forest with "dry" moisture regime understorey.

Elevation/Rainfall

Beaufort	387 m	686 mm
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Land Tenure and Use

The catchment areas are public land; State Forest (U1) administered by the Department of Conservation Forests and Land comprises the major part. There is a small water reserve around Troy Reservoir (D9) adjacent to freehold land on the west of the catchment.

The Land Conservation Council (LCC) recommendations for use of public land in these areas are contained in "Final Recommendations, Ballarat Study Area, 1982, LCC". Specific recommendations appear in brackets.

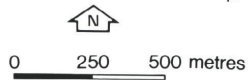
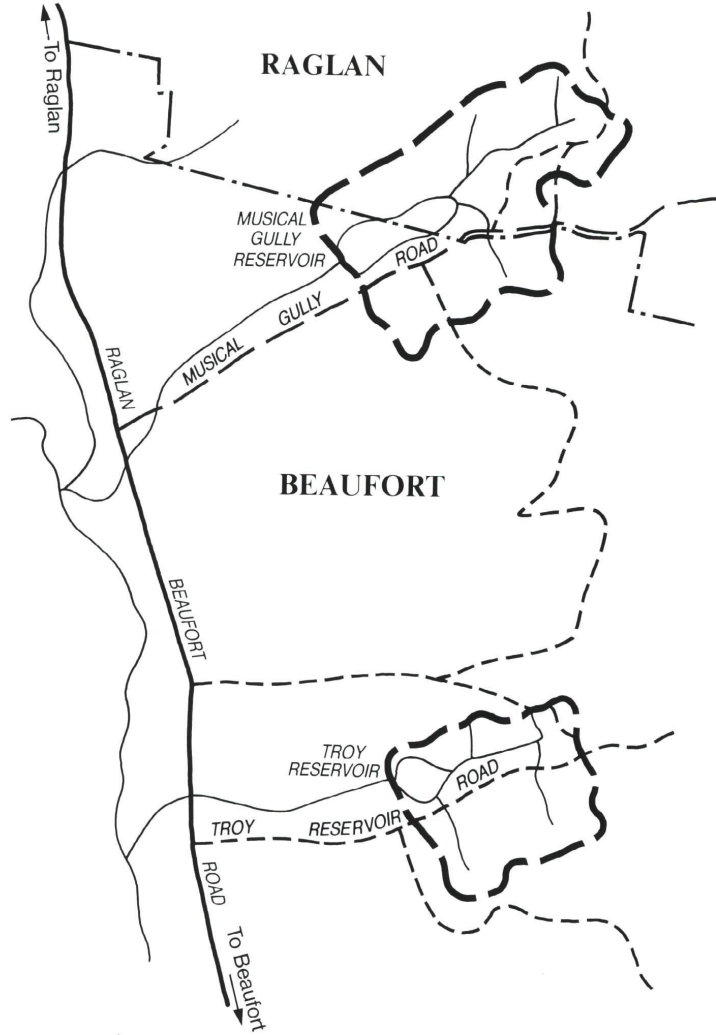
Water Supply Systems

Troy (690 ML) & Musical Gully (228 ML) Reservoirs (D9 and D8 respectively) are service reservoirs for urban supply to the township of Beaufort (population 1400). Apart from their direct catchments the reservoirs are filled by a gravity fed pipeline from offtakes located on the tributaries of Fiery Creek. The Beaufort Water Board is the responsible water supply authority.

Administrative Areas

Parishes:	Beaufort, Raglan
Municipality:	Shire of Ripon

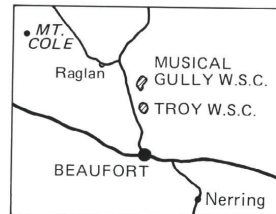
PLAN No. S-1473
MUSICAL GULLY & TROY
RESERVOIRS (BEAUFORT)
WATER SUPPLY CATCHMENTS



LEGEND

- Catchment boundary
- - - - -** Parish boundary
- BEAUFORT** Parish name
- Sealed Road
- - - - -** Unsealed Road
- - - - -** Track

LOCALITY PLAN



G/5884

LANGI GHIRAN RESERVOIR (ARARAT) WATER SUPPLY CATCHMENT

The catchment to Langi Ghiran Reservoir is in Western Victoria and is part of the Langi Ghiran granitic massif. The area is located on the southern slopes of the Great Dividing Range in the headwaters of the Hopkins River Basin. The area under consideration (125 ha) is upstream of the Langi Ghiran Reservoir dam within the Parish of Colvinsby.

The Catchment

The catchment topography consists of undulating granitic mountain with plateau (moderately to steeply sloping upland valley). The Great Dividing Range is the catchment boundary to the north and east. Mt Langi Ghiran (922 m) lies outside the catchment a short distance to the south. The vegetation is predominantly dry sclerophyll forest, but wet sclerophyll forest occurs on some slopes in the drainage lines.

Elevation/Rainfall

Ararat	332 m	616 mm
Lookout Hill	905 m	1238 mm

Land Tenure and Use

The entire catchment is public land, located within the Langi Ghiran State Park (A1). There is a small water reserve (D1) which surrounds the reservoir including a small protective buffer.

Land Conservation Council (LCC) recommendations for this area are contained in "Final Recommendations, Ballarat Study Area, 1982, LCC". Specific recommendations appear in brackets.

Water Supply Systems

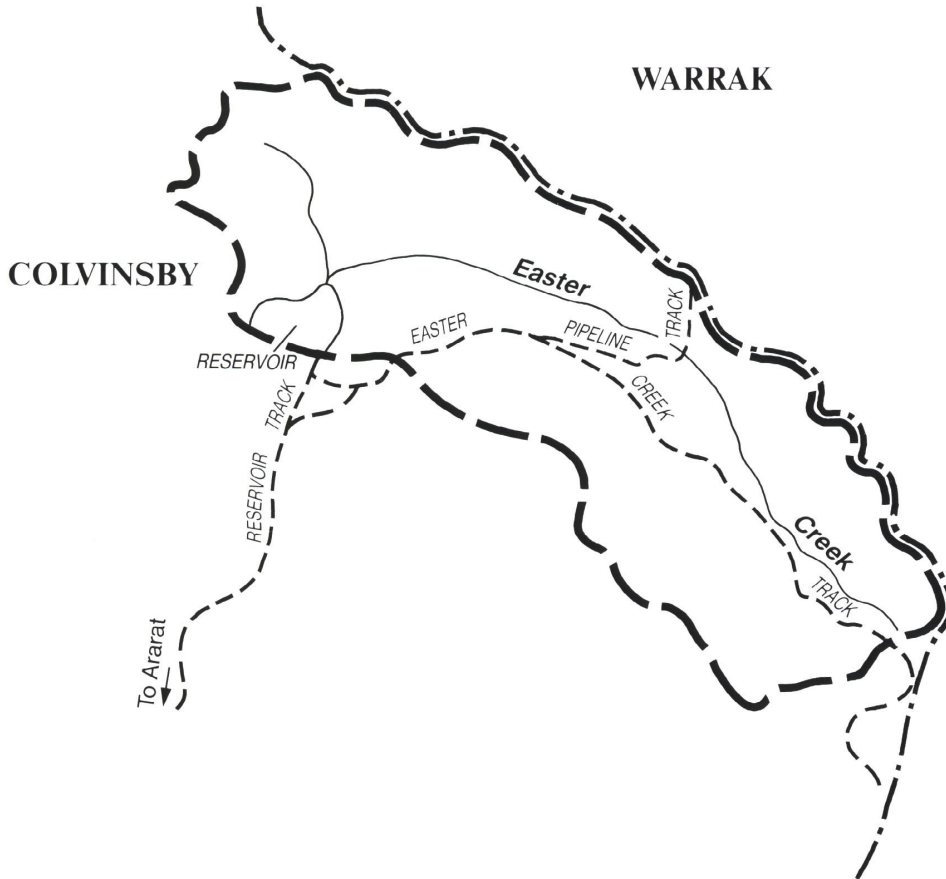
Langi Ghiran Reservoir (68 ML) is a service reservoir (D1) for urban supply to the city of Ararat (population 9000). The reservoir is filled by a pipeline gravity fed from Mt Cole Reservoir in the adjacent Wimmera Catchment as well as from its own direct catchment. The Council of the City of Ararat is the responsible water supply authority.




Administrative Areas

Parish:	Colvinsby
Municipality:	Shire of Ararat

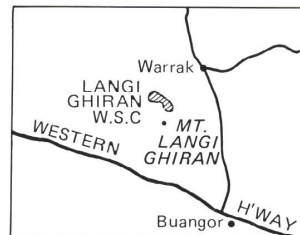
PLAN No. S-1474

**LANGI GHIRAN RESERVOIR (ARARAT)
WATER SUPPLY CATCHMENT**



- LEGEND**
-  Catchment boundary
 -  Parish boundary
 - WARRAK** Parish name
 -  Track

LOCALITY PLAN



G/5886

PICNIC ROAD (ARARAT) WATER SUPPLY CATCHMENT

The catchment in Western Victoria is some 3 km to the north-west of Ararat. The catchment drains into the Hopkins River Basin. The Wimmera River Basin adjoins the north and west of the catchment. The area under consideration (98 ha) is the catchment upstream of a proposed dam site within CA 12 L of Section 14 in the Parish of Ararat.

The Catchment

The topography of the catchment is rolling, undulating hills; steeper and higher on the western boundary, which is part of the Great Dividing Range. Low dry sclerophyll forest is dominant in the north and west of the catchment on steeper slopes, while the remainder of the catchment (dissected by drainage lines) is cleared and grazed.

Elevation/Rainfall

Ararat	332 m	616 m
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Land Tenure and Use

The public land (Ararat Hills Regional Park) (B5) accounts for 77% of the total catchment area.

Land Conservation Council (LCC) recommendations for the area are contained in "Final Recommendations, South West Area District 2, LCC". Specific recommendations appear in brackets.

Freehold land accounts for 23% of the total catchment area, currently owned and leased out by Ararat City Council.

Water Supply Systems

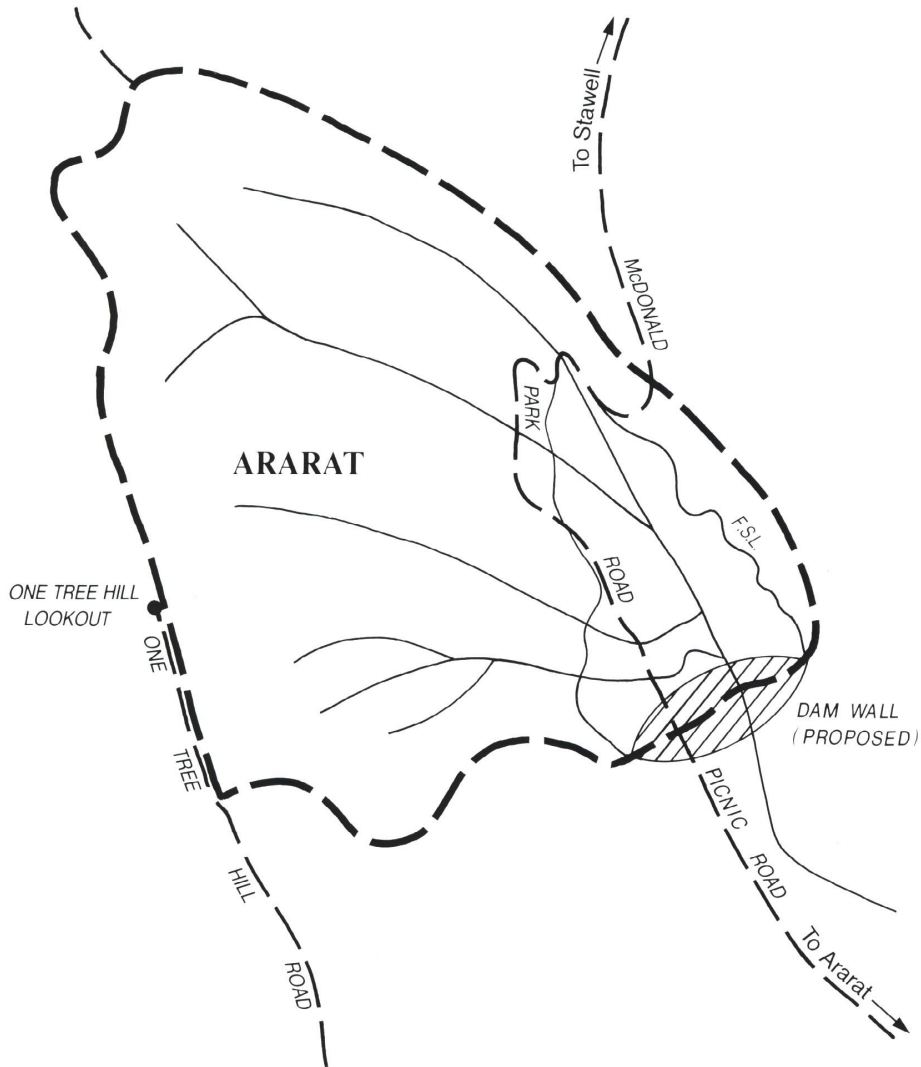
The proposed storage dam (1200 ML) at the Picnic Road site will further supplement the water supply to the City of Ararat and surrounding area including a population of over 9000. The proposed reservoir will be fed from Mt Cole Reservoir or alternatively from Lake Fyans. The Council of the City of Ararat is the responsible water supply authority.

Administrative Areas

Parish:	Ararat
Municipality:	Shire of Ararat

PLAN No. S-1475

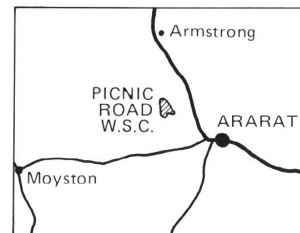
**PICNIC ROAD (ARARAT)
WATER SUPPLY CATCHMENT**



0 100 200 metres

- LEGEND**
-  Catchment boundary
 - ARARAT** Parish name
 -  Unsealed Road

LOCALITY PLAN



RECOMMENDATION

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 Utilisation Act* 1958:

- Fiery Creek Tributaries (Beaufort) Water Supply Catchment, Plan No. S-1476
- Musical Gully and Troy Reservoirs (Beaufort) Water Supply Catchments, Plan No. S-1473
- Langi Ghiran Reservoir (Ararat) Water Supply Catchment, Plan No. S-1474
- Picnic Road Reservoir (Ararat) Water Supply Catchment, Plan No. S-1475