

From: [REDACTED]
Sent: [REDACTED]
To: DPIE W Regional Water Strategies Mailbox
Cc: [REDACTED]
Subject: Objection to proposed Dunoon Dam

I am [REDACTED]
My wife, [REDACTED] and I live at [REDACTED]
[REDACTED]

We have lived here for about 30 years, paying land rates and water rates to Lismore City Council.

1 GEOLOGY

The proposed site for the reservoir is bounded on the East by Lismore Basalt, on the West by Kangaroo Creek Sandstone, and at its base is Walloon Coal Measures. There is a fault line between the sandstone and the coal. (ref: Dunoon Dam Site Concept Stage Geotechnical Investigation report 2013, p [REDACTED] Future Water Strategy Project Manager)

Our house is located about 900m West of the proposed dam wall, and about 20 metres lower than the overflow level. Between us and the reservoir is a ridge of Kangaroo Creek sandstone, and our house is founded on that stone. There is a very thin layer of sandy soil over the stone. The thing is, the sandstone is porous, which results in springs on our property in extended wet weather. In the event of a permanent 20m head of water, we would expect a significant increase in the spring activity on our property and our neighbours' properties.

Furthermore [REDACTED] has informed us by email that a " grout curtain will be required to control the amount of leakage beneath the dam wall and on the abutments. The geological model of the site suggest that the grout requirement in this area of the foundation may be high."

If the grout is required at the dam wall, why is it not required all along the fault line and the western land surface of the reservoir?
We suspect that the reservoir will not be very good at actually holding water.

2 OVERSIZED PROPOSAL

In 2016 Rous water 14820 ML of water storage available in Rocky Creek and Emigrant Creek Dams, for 144250 consumers. That is **103000L per person**
NSW Dept of Planning website projects a population increase of 5.5% in 25 yrs.
Extrapolating over 50 yrs suggests a population of 160043 in 2066.

If we add in 50000ML that the proposed reservoir will hold,
we will have **405000L of water per person in 2066.**

We clearly do not need that much water.

3 OTHER OBJECTIONS

Destruction of aboriginal heritage.
Destruction of rare and endangered lowland rainforest ecosystem.
Consequential loss of precious habitat for wildlife.
Flooding of productive farmland upstream.
Water starvation of farmland downstream.
Noise dust and construction traffic nuisance for residents of Dunoon and The Channon. (Loss of amenity)

We expect that these objections will be more thoroughly addressed by others.

Please seek alternative solutions (of which there are many) for the future water needs of Rous County Council.

Regards
[REDACTED]