

## Baroon Pocket Dam



The **Baroon Pocket Dam** was completed in 1989 creating a 380 hectare freshwater lake, fed by Obi Obi Creek and its tributaries. The dam provides raw water to the Lander's Shute WTP at Palmwoods, which supplies 150,000 properties with potable water on the Sunshine Coast .

### Baroon Pocket Dam at a glance.

- Fed by Obi Obi Ck, a significant tributary of the Mary River
- Supplies the Sunshine Coast Regional Council areas of Nambour, Palmwoods, Maroochydore and surrounds.
- Capacity .....61,000 ML
- Average depth .....21 m
- Dam surface area .....380ha
- Length of dam.....~1km
- Height of dam.....53m

## Baroon Pocket Dam Catchment at a glance.

The **Lake Baroon Catchment** has changed considerably since European settlement. Quality timber was extracted followed by large scale clearing for dairy grazing. The Lake Baroon Catchment was originally covered in complex notophyll vine forest with sections of tall open eucalypt forest with notophyll vine understorey. These forests were intersected by numerous waterways that in many cases rose from springs as they still do today. There were small pockets of wetlands containing native grasses and sedges. The majority of boggy areas in the catchment, were Archontophoenix cunninghamiana swamps. Removal of the natural vegetation and habitation by European settlers has increased sedimentation and erosion and been responsible for a general decline in water quality.

**Landuse** changed again when Baroon Pocket dam was constructed and the catchment experienced the “tree change” phenomenon as farmers divided their larger holdings into smaller rural residential blocks.

Catchment area	74.3 km <sup>2</sup>
Average annual rainfall	2015mm/a
predominantly a rural area	
increasing pressure from peri-urban development	

## Baroon Pocket Dam catchment is broken up into five sub-catchments-

- Lexys Creek – 673 ha with 67% vegetation cover.
- Bridge Creek – 2,134 ha with 43% vegetation cover.
- Falls Creek – 508 ha with 18% vegetation cover.
- Obi Obi Creek – 2,880 ha with 18% vegetation cover.
- Walkers Creek – 697 ha with 10% vegetation cover

Landuse in the catchment is still predominantly agricultural with the main landuse being dairy. Large sections are also left as vegetation. There is also a smaller amount of non-dairy agricultural activities, as well as rural residential activities.





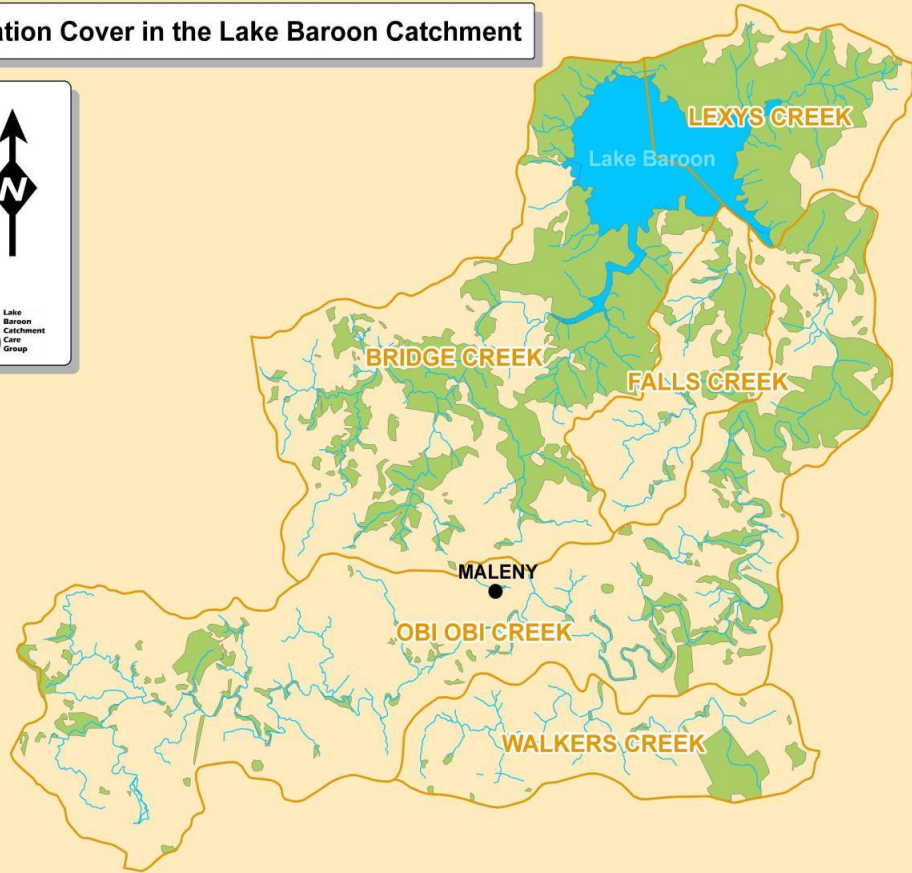


**Map S2.3.1 Vegetation Cover in the Lake Baroon Catchment**

**Legend**

- Streams
- Vegetation
- Catchments

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Kilometers





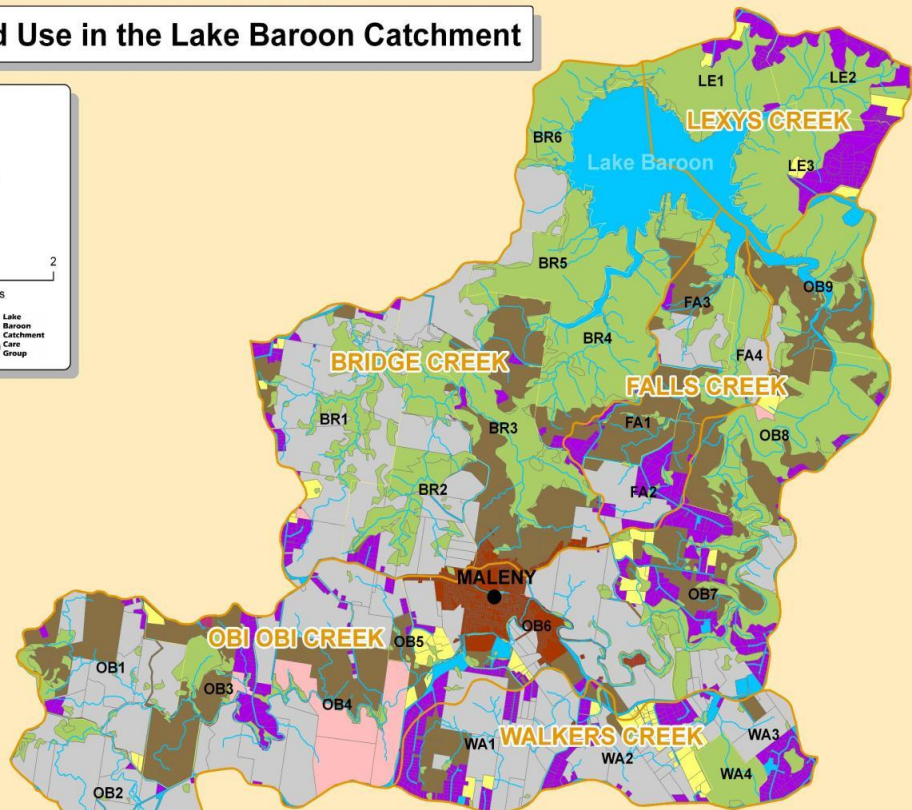
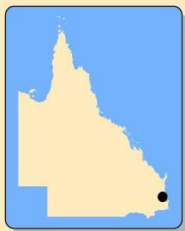






**Map S2.3.3 Land Use in the Lake Baroon Catchment**

**Legend**

- Streams
- Catchments
- dairy
- horticulture
- industrial
- macadamia
- non-dairy
- quarry
- rural res
- sewered urban
- vegetation

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SOURCE STORE TREAT SUPPLY

