
Pelton Wheel Generating Plant



B5281 Pelton Wheel
Generating Plant

Location

GLEN VALLEY VIC 3898 - Property No B5281

Municipality

EAST GIPPSLAND SHIRE

Level of significance

Regional

Heritage Listing

National Trust

Statement of Significance

Last updated on - April 18, 2005

Significance: This is a good example of local ingenuity and improvisation using components and skills available in the area to meet a need.

History: The plant was reported by Mr Cooper to have been made in the 30's. Mr Cooper also gave the following details. The pattern for the buckets was made by Jim Penner, a local engine driver, to an illustration in an old technical book belonging to Mr Cooper and the buckets were cast locally in brass.

Condition: The water nozzle and cover to prevent splashing of the generator are missing but apart from that it could be restored to working order fairly easily.

Classified:22/03/1983

Note: still there in 2001, dated as being from 1931 in an Australian Alps Mining Heritage study.

Hermes Number 64654

Property Number

Physical Description 1

Description: The plant consists of a generator from an old Nash car and a Pelton wheel, both mounted on what seems to be the original wooden mounting beam. The generator was driven by the Pelton wheel using the chain and sprockets from an ordinary bicycle, having a speed reduction of about 2.7 to 1. The brass buckets are bolted to a central disc to form a Pelton wheel 11 1/2 inches in diameter tip-to-tip.

Function: The plant converted available water energy into electrical energy for domestic lighting in an area remote from a reticulated power supply.

This place/object may be included in the Victorian Heritage Register pursuant to the Heritage Act 2017. Check the Victorian Heritage Database, selecting 'Heritage Victoria' as the place source.

For further details about Heritage Overlay places, contact the relevant local council or go to Planning Schemes Online <http://planningschemes.dpcd.vic.gov.au/>