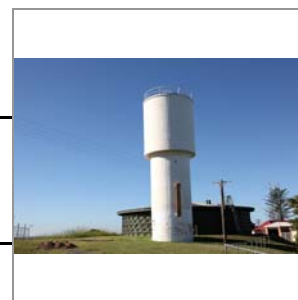


Hunter Water S170 Register

SHI No.: Name:
3630010 Dudley Reservoir

Location Lot 114 Twiston St, Dudley NSW 2290

Other ID nos IW ID: 10. Other ID: WRDUD1.



Description:

A segmented cast iron tank on an unknown base. There are three levels of segments that are bolted together at the edges and secured by an iron band that is chocked every seven to eight segments. A later galvanised roof on a timber frame has been added, possibly replacing an earlier roof.

Significance:

Dudley Reservoir is a segmented cast iron reservoir fabricated in England in 1877 and established on its current site in 1928. It is comprised of square reinforced metal plates which are edge-bolted together and strapped with metal bands. It is the oldest reservoir (by fabrication date) in the Hunter Water network and the only bolted-together segmented cast iron reservoir known to exist in New South Wales. This style of prefabricated construction was unusual for a large water reservoir, being more typically used for small-scale header tanks in a rectangular configuration within buildings. The detailing of the cast iron segments is aesthetically interesting and provides an unusual level of detail for a small-scale reservoir. The reservoir may have been originally used as the clear water tank at the Walka Water Works in the 1880s and subsequently relocated when that site was decommissioned. The reservoir continues to function as a high level tank supplying water to the Dudley area.

Assessed Significance: State

Endorsed Significance: State

Historical Notes:

Constructed: c. 1927-1930

The extension of the water supply from Charlestown to Dudley, and the reticulation of the township of Dudley, was completed in the year 1927-28. It was not until 1928 however, that Dudley Reservoir was completed (with the exception of the roof), being made available for the summer of 1928-29. The reservoir has a capacity of 282 950 gallons and is a cast iron plate tank. The roof of the reservoir was originally fabricated in galvanised iron, and completed in 1930, however this roof has been replaced in modern materials in recent years.

The Dudley Reservoir was possibly installed at Walka Waterworks and relocated to Dudley in 1928.

Designer/Builder: Hunter District Water Supply and Sewerage Board

Current Use: Water storage

Former Uses:

Physical Condition:

Good overall condition.

Further Information:

A plaque on the reservoir reads "Birtley Iron Co. 1877". It is situated in an open grassed area, adjacent to a concrete reservoir.

Recommended Management:

- This item is important to the heritage of NSW and must be conserved.
- A Conservation Management Plan should be prepared for this item to facilitate appropriate long-term management.
- Original details must be maintained including doors, windows and original signage.
- New materials should be sympathetic to the nature and character of the original building.
- In the event of major proposed changes prepare a Statement of Heritage Impact and undertake an archival recording.
- Assess proposed changes against the Standard Exemptions for Works Requiring Heritage Council Approval and, if necessary, seek approval under the Heritage Act.
- Wherever possible, changes should be restricted to the interior of the building and be designed to minimise impact to significant fabric.
- Routine maintenance of existing fabric is essential.

Specific Recommendations:

Hunter Water S170 Register

Specific Recommendations:

- 1 *Statutory Instrument* Nominate for State Heritage Register (SHR)
 - 2 *Recommended Mana* Prepare or include in a Conservation Policy
-

References:

Clem Lloyd, Patrick Troy and Shelley Schreiner 1992, For the Public Health. The Hunter District Water Board 1892-1992. Publisher: Longman Cheshire Pty Ltd, Melbourne.

Department of Public Works , Annual Reports, 1888 to 1892 and 1893-94 to 1960-61.

Glennie Jones 1967, The Movement for Newcastle's First Water Supply 1875-1885, Newcastle History Monographs No. 2. Publisher: The Council of the City of Newcastle, Newcastle.

Hunter District Water Board , Annual Reports, 1938-39 to 1987-88.

Hunter District Water Supply and Sewerage Board , Annual Reports, 1897-98 to 1937-38.

Hunter Water Board , Annual Reports, 1988-89 to 1990-91.

Hunter Water Corporation , Annual Reports, 1991-92 to 2008-09.

John W Armstrong 1967, Pipelines and People. The History of the Hunter District Water Board Newcastle, New South Wales. Publisher: The Hunter District Water Board, Newcastle.

Mal Hindley 1983, 'From Weirs, Dams and Sand', in Shaping the Hunter. Publisher: The Newcastle Division of the Institute of Engineers Australia, Newcastle.

Studies:

- 1 Futurepast Heritage Consulting Pty Ltd 2010, 'Hunter Water Conservation and Heritage Register Study'.
Reference: .
-

Listings:

- 1 *Heritage Act - Under consideration for SHR/IHO listing:*
Listing date: . Reference Number:
 - 2 *Heritage Act - s.170 NSW State agency heritage register:*
Listing date: . Reference Number:
 - 3 *Local Environmental Plan: Cast Iron Reservoir*
Listing date: . Reference Number: DL-01
-

Data Entry: *Date First Entered:* 26/Apr/2010 *Date Updated:* 10/Sep/2010 *Status:* Partial

Hunter Water S170 Register

Images



Dudley Reservoir

File: Dudley Reservoir.jpg

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Dudley Reservoir

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Hunter Water S170 Register



Dudley Reservoir

File: Dudley Reservoir 3.jpg

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Dudley Reservoir - Location

File: dudley reservoir GE.jpg

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Image by: Google Earth

Date: 2/08/2010

Thumbnail: t_dudley reservoir GE.jpg

Hunter Water S170 Register



Dudley Reservoir Curtilage Map

File: DudleyResCurtilage.j
pg

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