

HUNTER WATER

SECTION s170 REGISTER



ITEM NAME:

Cipoletti Weir

Contents:



Item details



Historical Overview



Heritage Significance



Description



Management



Key Images

ITEM DETAILS



Item Name	Cipoletti Weir
Other / Former Names	N/A
NSW SHI No.	3630117
Plant No.	N/A
Co-Ordinates	Latitude -32.239034 Longitude 151.695443
Address	N/A
Curtilage	The curtilage of this asset is defined by its physical extent, not its legal allotment boundaries (as defined by the relevant Lot and DP).



General view of the Weir



Asset location and curtilage (refer to [Figure 1](#) for additional detail)

HISTORICAL OVERVIEW



Current Use	Weir
Former Use	N/A
Designer / Builder	Public Works Department
Historical Notes	<p>A concrete gauging weir was constructed for measuring the flow of the Chichester River below the dam, completed in 1927-28. Sharp-edged and rectangular, Cipoletti Weir was approximately 7.6 metres wide, with a maximum submergence depth of 610 millimetres.</p> <p>By the close of the year, inquiries were being made as to a suitable automatic flow recorder. This recorder was installed in 1929-30 and was found to be of considerable use in determining the amount of water allowed to pass down the river during drought periods. It was also useful for monitoring of water management licence compliance, for back calculations for water resource modelling and also for gauging the quantity of water flowing over the dam during periods of flood.</p>

HERITAGE SIGNIFICANCE



Level of Significance	Local
Statement of Significance	<p>The Cipoletti Weir is an important element of the Chichester Dam as it demonstrates the former manual method of measuring river flow below the Dam.</p> <p>It provides a representative example of technology utilised in association with the Dam in the 1920s and 1930s and has a relatively high degree of integrity. It is broadly associated with the historical development and use of the Dam.</p>
Significant Elements	<ul style="list-style-type: none">• Weir structure and overall form and scale.• Form, scale and design of the gauging house/hut.

DESCRIPTION



Setting	The Weir is located within bushland and in association with the Chichester River.
External Appearance	<p>The Cipoletti Weir consists of a small mass concrete weir (and associated walkways) approximately 500 metres downstream from the dam wall on the Chichester River and is used for flow measurement. There is a scour valve located in the base of the weir. It is understood that further downstream is a modern "V-notch" type gauge, which allows gauging when the flows are too low to be gauged at the Weir, though this has not been inspected.</p> <p>The small gauging house/hut at Cipoletti Weir is a timber framed structure on a concrete plinth, sheeted in vertical corrugated iron, with a timber sheeted door. The timber fascia of the house/hut has been replaced with plastic fascia.</p> <p>The Weir is accessed by a dirt track that leads to new timber and rubble stairs and the gauging house. From here, an Anderson grid walkway and stairs lead down to the Weir. The track and walkway are entirely modern structures.</p>
Internal Appearance	Internally, the small gauging house is unlined and has an Anderson grid floor over an open concrete pit reaching down to water level. There is modern electronic monitoring equipment for water levels.
Overall Condition	Good
Moveable Heritage Objects	<ul style="list-style-type: none">• None identified.



Priority Conservation Works

- Check over concrete elements of the Weir for evidence of cracking, erosion, and similar, and stabilise/repair if required.

KEY IMAGES



Image 1: The Weir as viewed from the adjacent walkway

Image 2: The Weir as viewed from the adjacent walkway



Image 3: Gauging house/hut, Weir and walkway

Image 4: Gauging house/hut and walkway



Image 5: Interior of the gauging house/hut



Image 6: View of the floor of the gauging house/hut



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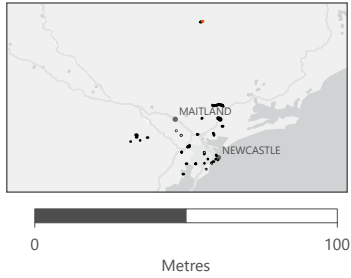
FIGURE 1

S170 Review - Heritage Curtilages

Legend

- Road
- + Railway
- Lot Boundary
- ◻ Heritage Curtilages
- NPWS Reserve

Cipoletti Weir



Scale 1:2,500 at A4
GDA 1994 MGA Zone 56

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