

State Water Total Asset Management Plan for Unregulated River Structures



New South Wales, Australia

State Water Corporation manages and operates 20 dams and more than 280 weirs and regulators throughout NSW. State Water uses these to deliver water to irrigators, local water utilities, farms, mines and electricity generators, by releasing water from its dams into rivers for water users access. It also provides water for stock and domestic users and is responsible for delivering environmental flows on regulated rivers.

State Water has recently become the owner of 65 weirs and regulators on streams gazetted as unregulated. This term means that these assets are on rivers that are not regulated by State Water's dams. State Water provides service for these structures under their community service obligations.

State Water commissioned HydroScience to complete a Total Asset Management Strategy to develop management plans and long-term budgets for the management of the unregulated structures over 30 years. State Water will use these budgets to support its application for state funding for its regulatory and community service obligations.

River structures that serve no purpose are likely to be removed in accordance with the NSW Weir Policy.

HydroScience collected all data on usage, environmental impacts and heritage values associated with these structures including consultation with appropriate Stakeholders and adjacent landholders to identify the regulatory and Community Service Obligation requirements. The first decision was whether the structure can be removed. Management plans were developed for each structure which included removal, upgrade, construction of fishways, ongoing maintenance and appropriate studies to meet legislative requirements. The data was documented in a database designed by HydroScience to integrate with State Water's asset management systems and ensure ongoing monitoring and reporting of performance.

Project Overview

Highlights

- ❖ Total asset management plan
- ❖ Investigation of unregulated river structures
- ❖ Community consultation
- ❖ Database development
- ❖ Environmental management
- ❖ Heritage

Details

Completion Date: 2008

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