

Christina Day

Aquatic Systems Officer
Blue Mountains City Council



Christina is an Environmental Biologist working as an Aquatic Systems Officer for Blue Mountains City Council near Sydney, NSW. Her role involves monitoring and managing natural aquatic ecosystems within a city within a World Heritage Area. Recently, Christina has been undertaking a challenging program to control an outlier infestation of aquatic weed *Cabomba caroliniana*, a Weed of National Significance, in Glenbrook Lagoon. This weed control program was the first use of newly registered Shark™ Aquatic Herbicide (a.i. carfentrazone-ethyl) in a natural wetland for the control of cabomba, and the success of this herbicide control program was not guaranteed. A monitoring program was implemented to observe the efficacy, impacts and ecological changes following the treatment. The project has achieved 99.9% reduction in cabomba and a number of valuable lessons for future control of this weed of national significance.

The 'Cabomba weed control in Glenbrook Lagoon, NSW project' was funded by Blue Mountains City Council's Environment Levy together with the federal government's Caring for our Country initiative.

Christina will use the CAWS Travel Award to attend and present a paper and a poster at the 19th Australasian Weeds Conference being held in Hobart in September 2014 and share her learnings with the wider weed management community. The oral presentation will outline the efficacy and impacts observed during the cabomba weed control program in Glenbrook Lagoon using Shark™ Aquatic Herbicide (a.i. Carfentrazone-ethyl). The poster presentation outlines 20 years of integrated catchment management at Glenbrook Lagoon, including aquatic and terrestrial weed management, urban stormwater quality improvement systems, and public engagement and education initiatives.