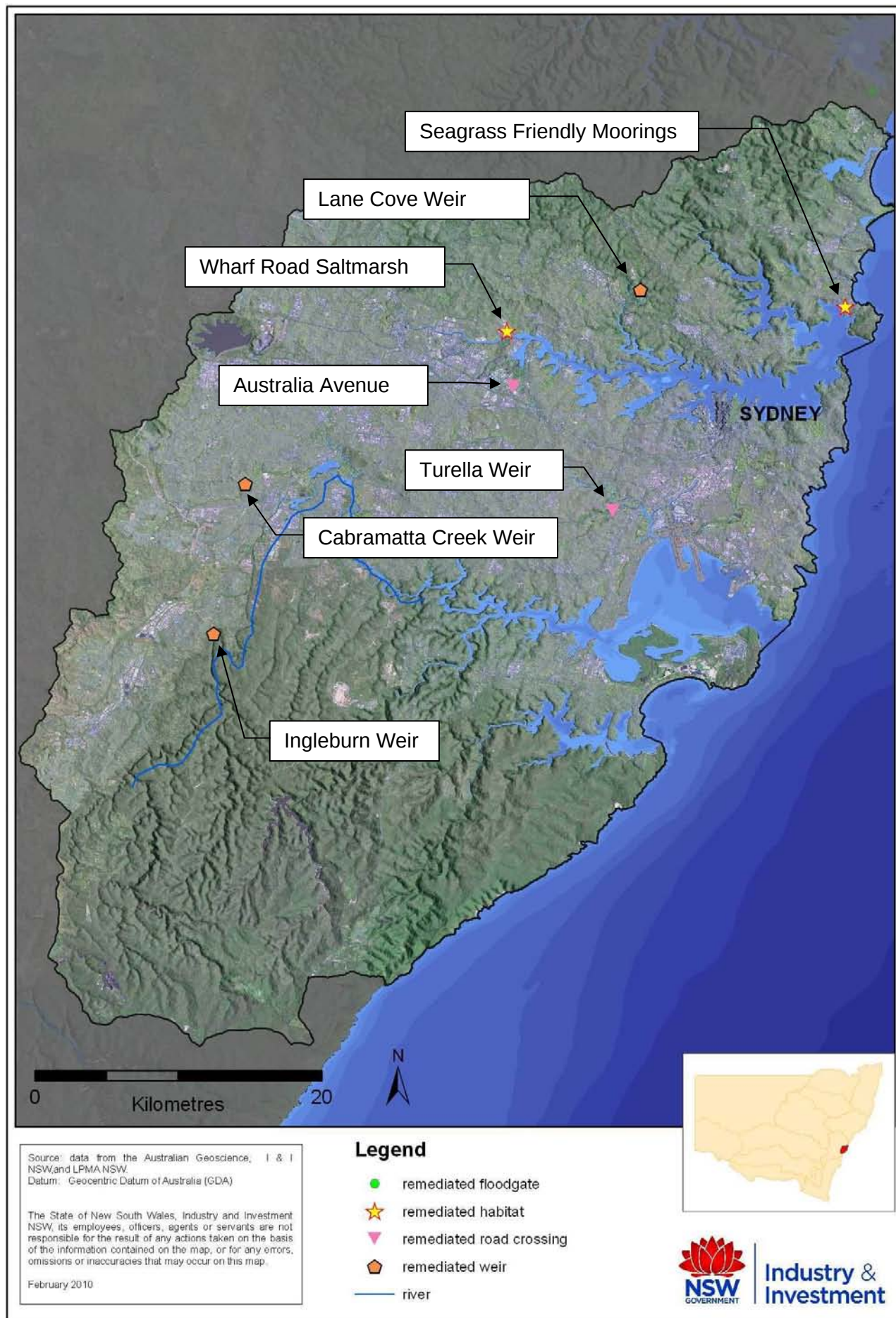
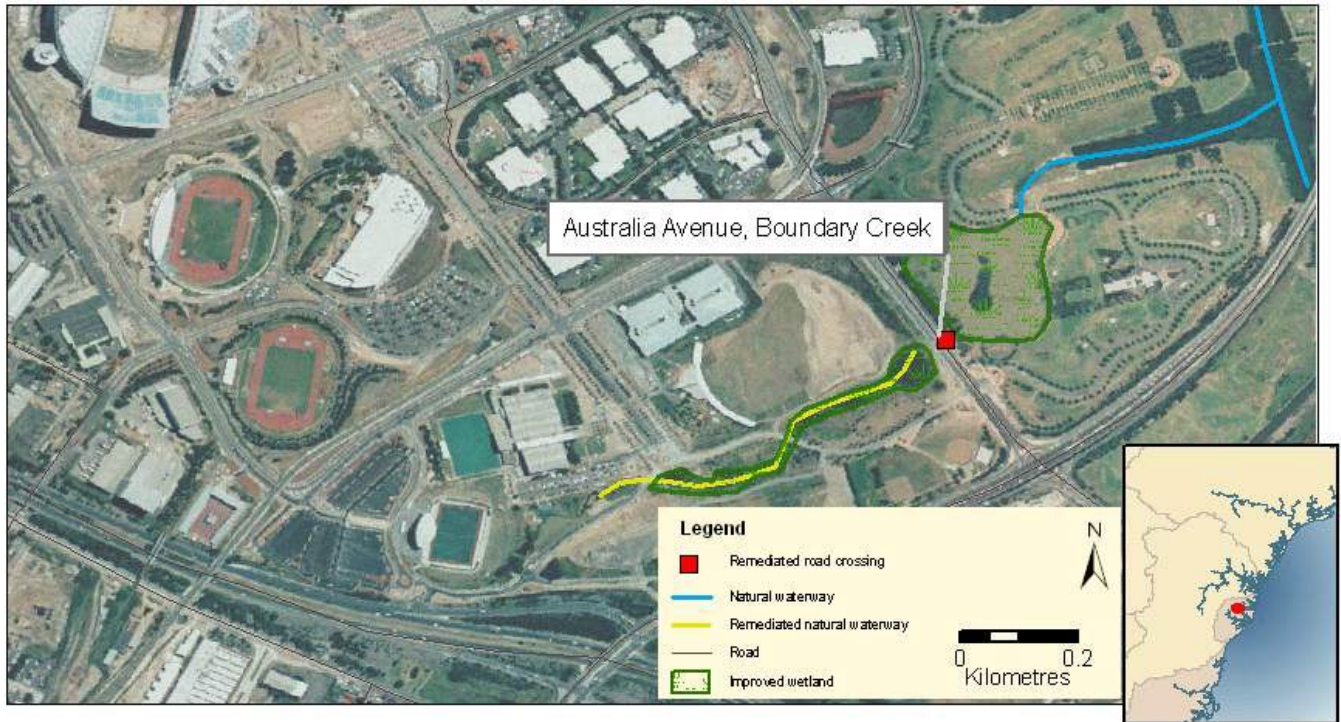


APPENDIX D: SYDNEY METROPOLITAN CMA SITE SUMMARIES



PARTIAL-WIDTH ROCK-RAMP FISHWAY, BOUNDARY CREEK

Australia Avenue, Parramatta River Catchment



Remediation Works

- Construction of a partial-width rock-ramp fishway to overcome height differential.
- Direction of flows through fish passage culvert to improve flow depth.
- Installation of baffles to decrease linear velocities within fish passage culvert.
- Structure located on Crown Land (Sydney Olympic Park).
- Works completed July 2008.

Remediation Benefits

- Improved access to 1 km of waterway and 5 ha of habitat.
- Excellent education opportunities through interpretive signage – fishway located on walking path within Sydney Olympic Park.

Project Costs

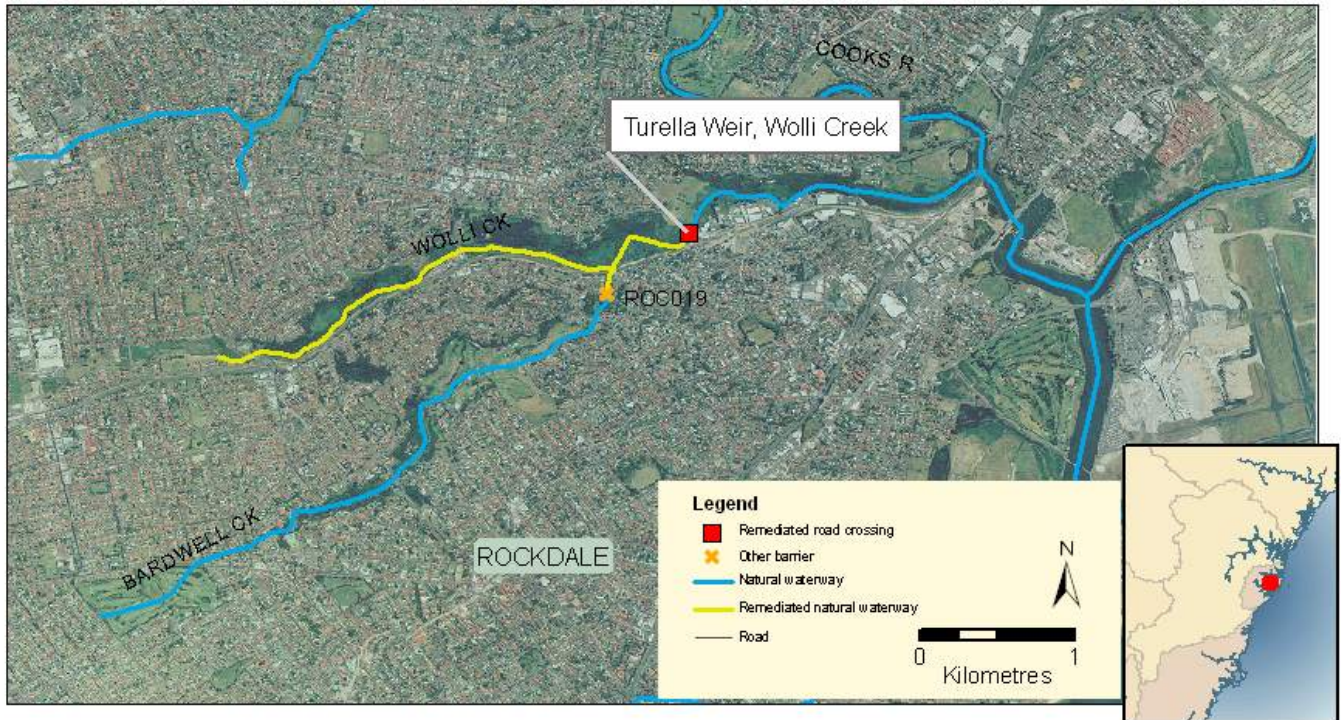
- Total project cost = \$179,135.

Partners

- Sydney Olympic Park Authority (project managers), SMCMA (co-funding).

PARTIAL-WIDTH ROCK-RAMP FISHWAY, WOLLI CREEK

Henderson Street Turella, Georges River Catchment



Remediation Works

- Installation of partial-width rock-ramp fishway.
- Turella Weir is a tidal barrier.
- Structure located on Crown Land.
- Works completed March 2009.

Remediation Benefits

- Improved access to 3 km of habitat.
- Works compliment restoration projects being undertaken on Wolli Creek and Cooks River.
- Monitoring fish populations enable community involvement and education opportunities.

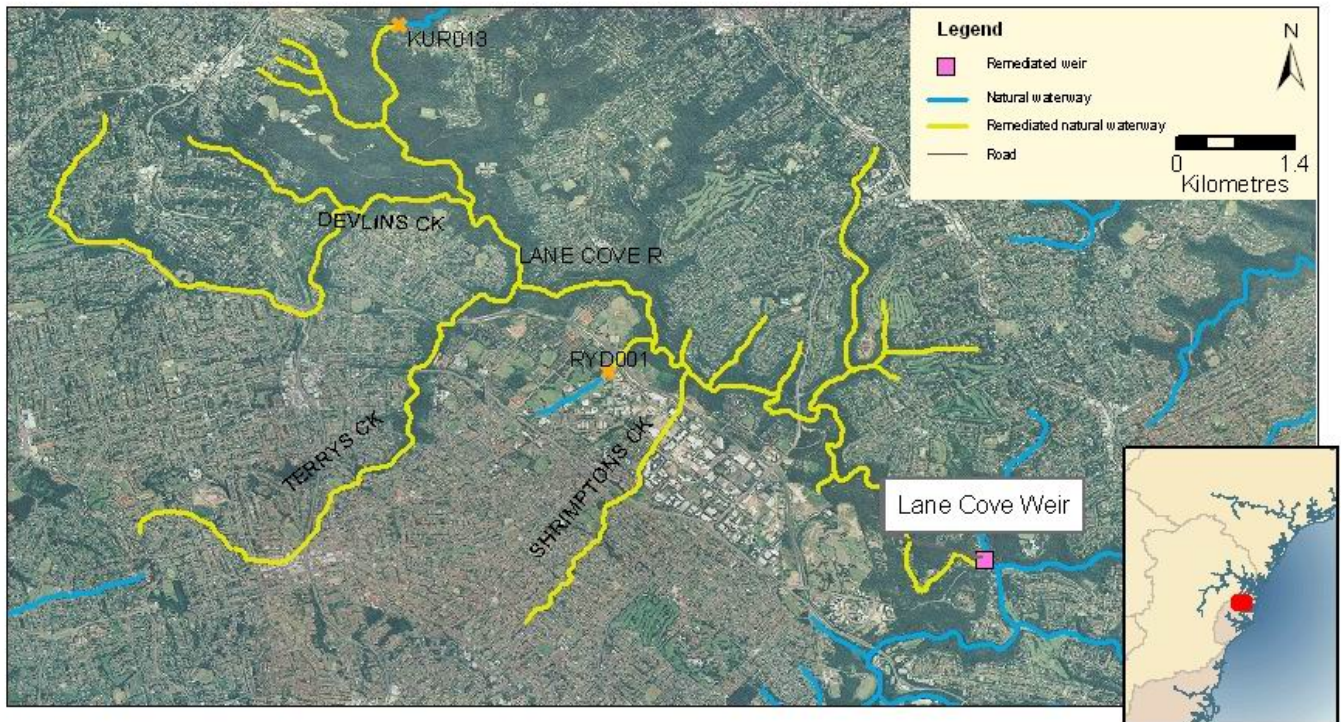
Project Costs

- Total project costs - \$120,000.
- Preliminary works and design - \$23,000.

Partners

- Rockdale City Council and Canterbury City Council (project managers), SMCMA (co-funding).

PARTIAL WIDTH ROCK RAMP FISHWAY, LANE COVE RIVER,
Riverside Drive, Parramatta River Catchment



Remediation Works

- Installation of partial-width rock-ramp fishway extension to existing fishway.
- Formation of a side head wall to direct flows down fishway.
- Test drilling to determine where leaks were and potential for their remediation.
- Structure located on Crown Land (NPWS reserve).
- Works completed May 2009.

Remediation Benefits

- Improved access to 49 km of habitat for greater part of tidal cycle.
- Excellent education opportunities for park visitors.

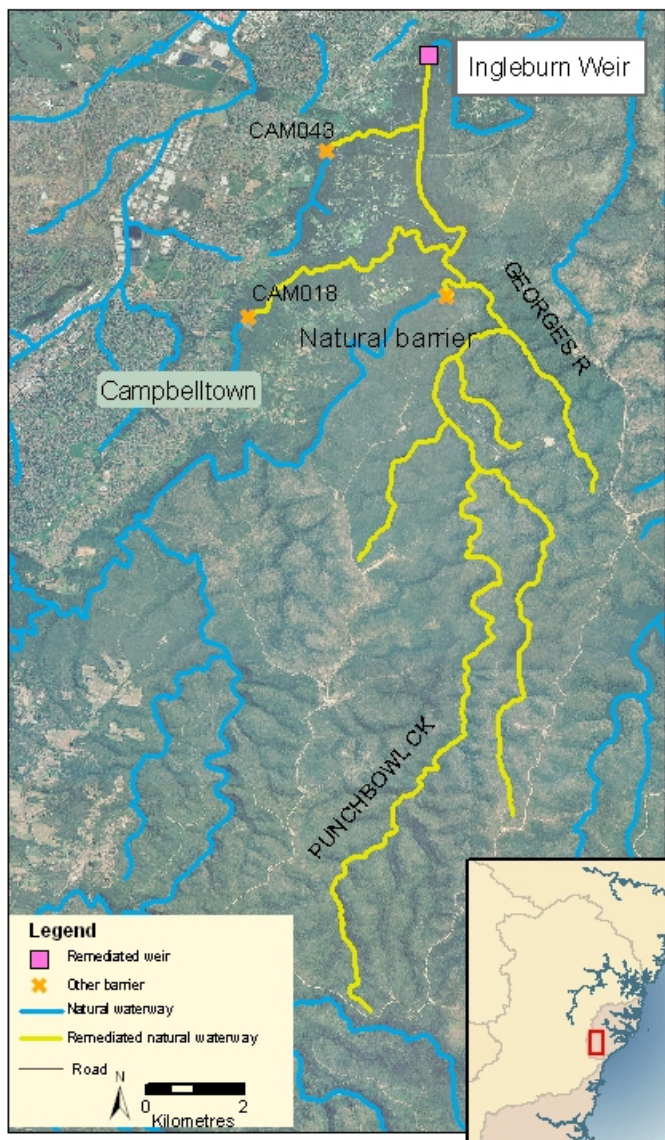
Project Costs

- Total project costs - \$166,940.
- Preliminary works and design - \$61,070.

Partners

- Department of Environment Climate Change and Water (project managers), SMCMA (co-funding), Bass Sydney (monitoring)

WEIR MODIFICATION, GEORGES RIVER Ingleburn Reserve, Georges River Catchment



Remediation Works

- Repositioning of rock rubble from existing weir breach.
- Concurrent weir stabilisation works allowing retention of heritage values.
- Structure located on Crown Land.
- Works completed August 2009.

Remediation Benefits

- Improved access to 52 km of habitat at low flows.
- Threatened Macquarie Perch have recently been recorded from this area of the Georges River.
- Education opportunities through installation of interpretive signage.

Project Costs

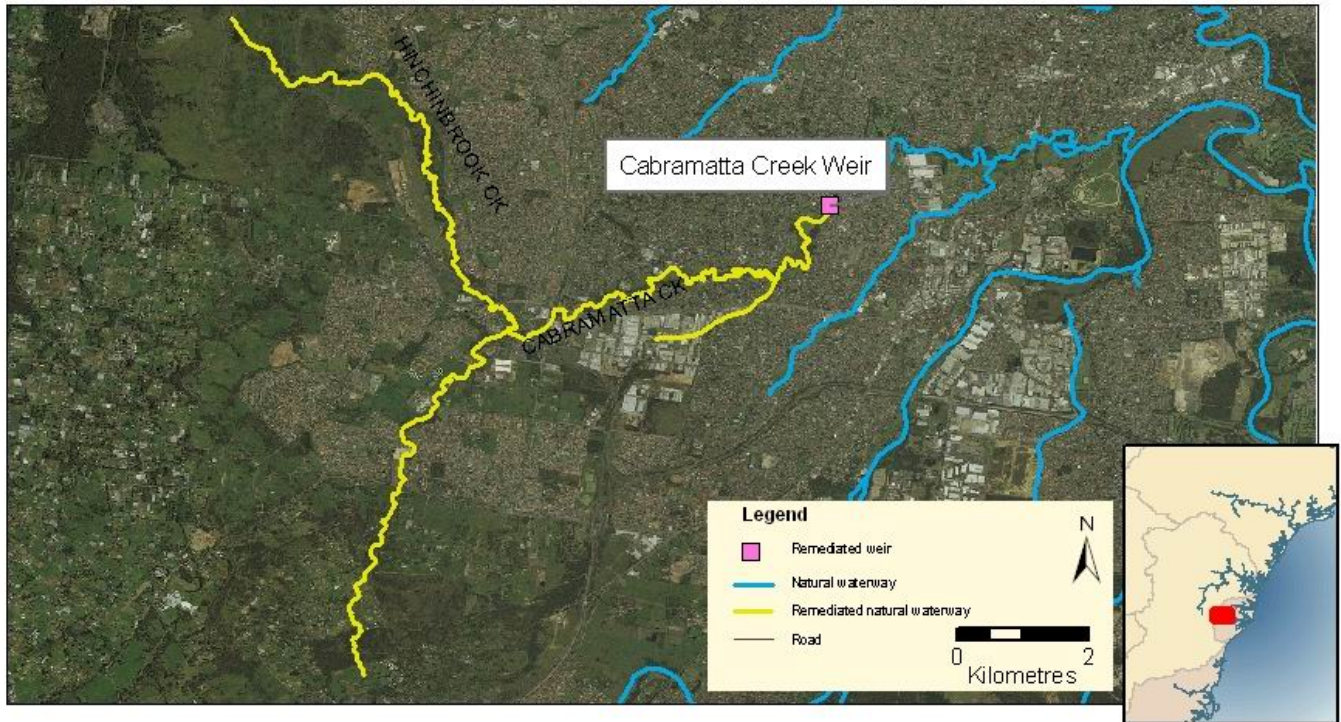
- Total cost of works - \$27,131
- Preliminary surveys - \$16,950.

Partners

- Campbelltown City Council.

OBSOLETE WEIR REMOVAL, CABRAMATTA CREEK

Elizabeth Drive, Georges River Catchment



Remediation Works

- Removal of obsolete weir.
- Riparian revegetation and rubbish removal in surrounding waterway.
- Future works to remove low wood plank weir upstream (both structures on Crown Land).
- Works complete June 2008.

Remediation Benefits

- Improved access to 26 km of habitat at low-medium flows.
- Works compliment adjacent riparian rehabilitation works.
- Council undertaking fish monitoring allowing for education opportunities.

Project Costs

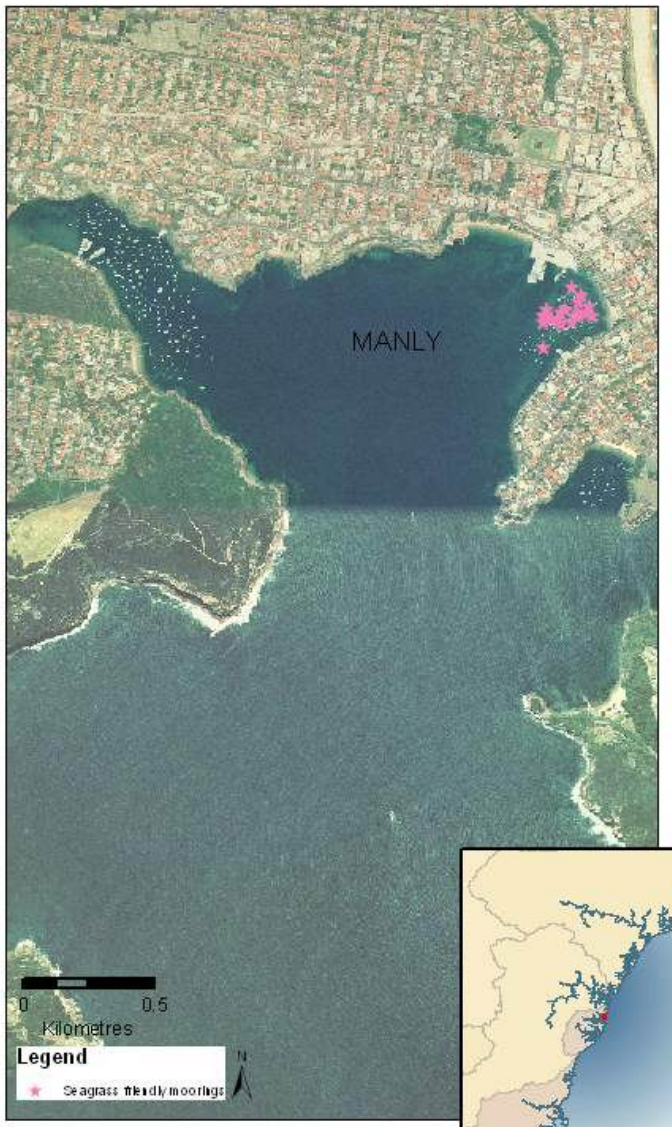
- Total cost - \$117,601.
- Riparian revegetation and rubbish removal - \$88,155.

Partners

- Fairfield City Council (project managers), Liverpool City Council.

SEAGRASS FRIENDLY MOORINGS, MANLY COVE

Various locations, Sydney Harbour



Remediation Works

- Replacement of 33 block and chain moorings with seagrass friendly moorings.
- Expression of interest process offered a free seagrass friendly mooring and annual maintenance for 3 years.
- Four year monitoring program to compare seagrass growth at seagrass friendly and traditional moorings.
- Works completed summer 2009.

Remediation Benefits

- Seagrass recolonisation around boat moorings (1 ha).
- Improved public awareness of seagrass friendly moorings and seagrass habitats.

Project Costs

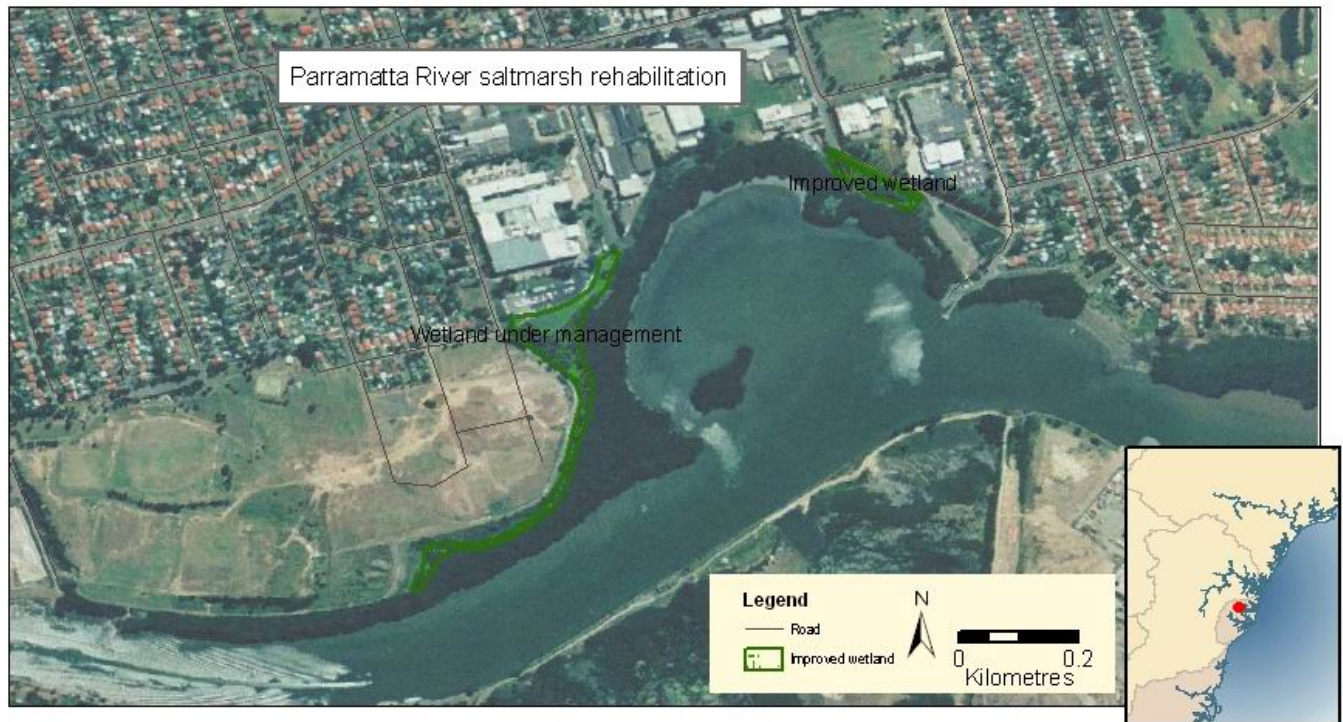
- Total cost - \$115,704.
- Each structure - \$1,850. 3 years maintenance - \$600. Total value per structure - \$2,450.

Partners

- SMCMA (project managers), NSW Maritime, Manly Council, University of Newcastle, Eco Divers (community dive group).

SALTMARSH REHABILITATION, PARRAMATTA RIVER

Wharf Road, Parramatta River Catchment



Remediation Works

- Removal of smothering vine growth and rubbish in saltmarsh and mangrove habitat.
- Retention of “weedy border” to prevent further rubbish dumping.
- Structure located on Crown Land adjacent Parramatta River.
- Works completed June 2009.

Remediation Benefits

- Improved condition of 1 ha saltmarsh.
- Value adding to nearby saltmarsh restoration work and creation of impetus to join areas.

Project Costs

- Total project costs - \$85,415
- Ongoing maintenance - \$63,840

Partners

- Parramatta City Council (project managers).