The Molluscan Fisheries subprogram is focused on providing scientific advice relevant to the ecologically sustainable management of molluscs in South Australia.

**Overview**

The Molluscan Fisheries subprogram forms part of the Fisheries Science Program Area. The key outputs are scientific papers and stock assessment reports for key species. These reports comprehensively assess all fishery-dependent and fishery-independent data, summarise outputs from risk-analysis models, assess fishery performance against the performance indicators defined in the management plans and detail resource status.

The subprogram also undertakes additional projects and collaborative research. These collaborations maintain South Australian molluscan research at a world class standard.

**Research Projects**

- **FRDC 2010/013** – Towards understanding greenlip abalone population structure.
- **FRDC 2008/008** – Harvesting strategy development for South Australia’s Goolwa cockle (*Donax deltoides*) fishery.

**Recent Publications**

- Braley M, SD Goldsworthy, J Austin, B Page, MA Steer 2009 Assessing morphological and DNA-based diet analysis techniques in a generalist predator, the arrow squid *Nototodarus gouldi*. Molecular Ecology Resources.

**Staff**

- **Dr. Stephen Mayfield** - Senior Research Scientist
  - Dr Mayfield received his PhD from the University of Cape Town in 1998. He has extensive knowledge and experience in abalone stock assessment, sustainable management of inshore fisheries and spatial management. His current research focuses on development and implementation of fishery-independent stock-assessment methods, evaluating the potential for fisheries on unexploited stocks, assessing absolute abundance of abalone and mud cockles, and optimising the spatial scales of management.

- **Dr. Mike Steer** - Research Scientist
  - Dr Steer’s field of expertise is in cephalopod biology and ecology having worked on a diverse range of tropical and temperate species over the past 12 years. His research has mainly focused on the early life history, reproductive ecology and population biology of squid. Since moving to SARDI in 2004, his research has been more fisheries related having developed stock-assessment approaches for the calamary fishery and cuttlefish spawning aggregations in Spencer Gulf.

- **Dr. Greg Ferguson** - Research Scientist
  - Greg Ferguson has over 17 years experience across fisheries research in South Australia. His current research is focused on development of fishery-independent survey methods for pipi’s (cockles) to underpin a harvesting plan. Greg lectures on fisheries biology and population dynamics at Flinders University and has developed and taught TAFE courses on fish biology.

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