The Aquatic Animal Health and Welfare Subprogram aims to investigate disease issues and understand their epidemiology; develop sustainable solutions to disease issues effecting techniques to improve disease detection; develop and enhance knowledge and use of biosecurity procedures to reduce risks; and increase awareness of aquatic animal health issues through communication, in particular through the provision of scientific and technical advice to managers, and participation in education and training.

Overview
The Aquatic Animal Health and Welfare Group is undertaking research projects on the health of farmed finfish, including southern bluefin tuna, yellowtail kingfish (Seriola lalandi) and hatchery-reared southern bluefin tuna (Thunnus maccoyii). Nowak BF. (in press) Sea lice infections of wild fishes near the Barrier Reef, Australia with a key to species of the genus. ZooTaxa 2348, 1 - 22.

Research Projects

DPI Victoria - Improving the resilience of aquaculture sectors to climate variability – Better practice fish health management for salmonid farmers (with Future Fisheries Research Projects on biosecurity and disease status of prawn populations in SA.

Recent Publications


Staff
The Aquatic Animal Health and Welfare group can draw on research capabilities from selected SARDI staff from various strategic research areas of Aquatic Sciences.

Mr Steven Clarke
Principal Scientist
Mr Clarke has over 25 years post-graduate experience in aquatic sciences research, management, and industry and government liaison, including more than 15 years in aquaculture research and development.

Dr Marty Deveney
Dr Deveney has experience in invasive species biology, aquaculture and fisheries biosecurity (including pest and disease management), risk analysis, veterinary medicine and disinfectant registration and use, application of scientific principles to public policy. He is a coopted member of the Subcommittee on Aquatic Animal Health (SCAAH) and has led several working groups of that committee.

Dr James Munro
Dr Munro has considerable experience in the area of aquatic disease, including professional experience in Asia, Europe and America. He has a particular interest in the detection and control of viruses affecting finfish, crustaceans and molluscs, and in establishing biosecurity procedures for practical use.

Dr Nathan Bott
Dr Bott is experienced in the development and use of molecular-based diagnostics, detection of aquaculture pathogens and invasive species from environmental samples, parasites of aquatic animals, parasite life-cycles, systematics and phylogenetics, mutation scanning methods, and DNA extraction methodologies.

Contact
Mr Steven Clarke
Principal Scientist, Aquaculture
SARDI Aquatic Sciences
Tel: 08 8207 2443  Fax: 08 8207 2481
PO Box 120 Henley Beach SA 5022
E-mail: steven.clarke@sa.gov.au

www.sardi.sa.gov.au