

**Position:**

Senior Consultant

Qualifications:

B Agr Sci (Hons)

Currently studying MBA
(Agricultural Innovation)**Professional Associations:**Member, Australasia-Pacific
Extension Network (APEN)Member, Agricultural Institute
of Australia**Contact Details:**

M: 0408 137 379

E: mrae@macfrank.com.au

Office: Tech 4, Unit 2
Technopark, Innovation Drive,
Dowsing Point TAS 7010Postal address: Macquarie
Franklin, PO Box 149, Glenorchy
TAS 7010**INTRODUCTION**

Mel Rae graduated from the University of Tasmania in 2006 with a Bachelor of Agricultural Science and first class honours.

Since joining the company in 2007, Mel has worked on a wide range of water resource, agricultural production and natural resource management projects. Mel is an experienced project manager and specialises in recycled water irrigation, beneficial reuse of waste products, environmental monitoring, stakeholder management and agricultural extension.

PROFESSIONAL EXPERIENCE

2007-Present: Macquarie Franklin (formerly ARM)

2007: SFM Soil Solutions, technical officer

RECENT PROJECTS

- TasWater - Recycled Water Services – Project manager and consultant to Macquarie Franklin’s recycled water services to TasWater, including technical advice, scheme management, environmental monitoring and auditing of all Tasmanian recycled water schemes, coordinating extension events and general liaison services to irrigators. (2009 - 2018)
- TasWater - Clarence Recycled Water Scheme Environmental Management Plan review and update. (2018)
- TasWater – Launceston Sewage Improvement Project (LSIP) recycled water feasibility study and presentation to EPA. (2016-2017)
- TasWater – Biosolids Site Management Plans for properties in southern Tasmania that receive biosolids products. (2016-17)
- TasWater – Biosolids Soil Monitoring, provision of soil sampling and reporting services, as required. (2010-2017)
- Huon Aquaculture – Wastewater management consulting services. (2018)
- Lion Dairy & Drinks – Develop Wastewater Irrigation Transition & Emergency Management Plan for cheese processing facilities, liaison with EPA, ongoing consulting to assist with implementation and reporting. (2012 – 2018)
- Lion Dairy & Drinks, Burnie – Annual soil monitoring program for whey and wastewater application to land. (2007-2018)
- Mondelez Australia – Development of EPA approved soil sampling program, annual soil monitoring of for land receiving factory waste products. (2013-2017)

Areas of Expertise

- Project management
- Recycled water
- Biosolids and waste product reuse
- Environmental monitoring
- Soil management
- Stakeholder liaison
- Climate analysis
- Irrigator compliance programs
- Program & event coordination
- Communications
- Extension
- Literature reviews
- Group facilitation
- Application writing
- Irrigation and environmental management plans

Macquarie Franklin Expertise

- Economic studies
- Business and farm management
- Feasibility studies
- State and regional development
- Irrigation and water development
- Land capability and mapping
- Natural resource management
- Training and extension
- Technical agricultural consulting

- Ashgrove Cheese – Recycled water irrigation management plan for new irrigation area (including liaison with EPA for plan approval) and business Environmental Management Plan. (2015-2017)
- Rural Youth – Development of waste management plan for the Agfest field day venue, which annually hosts 60,000 people over three days in rural Tasmania. (2016-17)
- Meat & Livestock Australia - Profitable Grazing Systems extension program Tasmanian State Coordinator. (2017 – ongoing)
- Meat & Livestock Australia – Develop and run focus groups in NSW and WA to wrap up five year \$21m pasture research program. (2017)
- Meat & Livestock Australia – National Communications Coordinator for sustainable feedbase resources portfolio. (2016-2017)
- Meat & Livestock Australia – Producer Research Site Program State Coordinator, Tasmania. (2014-2016)
- Meat & Livestock Australia – More Beef from Pastures Program Coordinator, Tasmania. (2014-2016)
- Tasmanian Institute of Agriculture (TIA) – Water for Profit Irrigation Group project advisor. (2015)
- Tasmanian Institute of Agriculture (TIA) – Development of an Irrigation RD&E Program for TIA. (2014)
- Red Meat Updates - Coordination of annual conference in Launceston, attracting 300 delegates and industry wide sponsorship. (2013-2018)
- Horticulture Australia – Vegetable grower biosecurity survey. (2013)
- Southern Water –Supply and demand modeling for the Clarence Recycled Water Scheme. (2013)
- Southern Water – Brighton Reuse Feasibility Study. (2012)
- Wine Tasmania – Soil Health Field Day. (2012)
- Southern Water - Secondment as *Leader-Recycled Water*. (2011 –2012)
- Caring for Our Country Making Good Better: Understanding Soil Carbon Project - farmer group facilitator. (2011)
- NRM North – Property Management Planning farmer group facilitator. (2008-2010)
- NRM North - Best Practice Salinity Management Project - Management plans for 40 farmers in Tasmania and roll out of incentives funding to assist with plan implementation. (2009-2011)
- Intelligent Irrigation Training Course, Northern Tasmania - project support and event facilitator. (2008-2009)
- Entura - Project liaison officer, Tasmanian Water Use Management (TWUM) Project. (2007-2008)