

**Position:**

Consultant

**Qualifications:**B Bus & B Sci University of  
Tasmania**Contact Details:**

T: 0400 039 387

F: (03) 6274 1984

E: hludford@macfrank.com.au

Unit 2, Tech 4

30 – 38 Innovation Drive

Dowsing Point

Tasmania 7010

**INTRODUCTION**

Hugh graduated from the University of Tasmania (2011) with a combined bachelor degree of business and science. This combined degree allowed Hugh to develop scientifically driven skills in data analysis and reporting, as well as skills in economic and financial decision making and reporting. Hugh has strong communication skills (written and oral) and since working at Macquarie Franklin, has gained experience in a range of agricultural and water related projects.

**PROFESSIONAL EXPERIENCE**

2012-present: Consultant-Macquarie Franklin

**RECENT PROJECTS**

- Tasmanian Institute of Agriculture – *Water for Profit* project (September 2015 – present)

Hugh is facilitating two irrigator discussion groups in the Central Highlands and Southern Midlands aimed at improving knowledge and skills of group members of a broad range of irrigation topics.

- Tasmanian Irrigation – Water monitoring of Bridport River, Great Forester River and Hurst Creek for the Scottsdale Irrigation Scheme (March 2016)
- Tasmanian Irrigation – Groundwater bore monitoring and surface water sampling (December 2015 – March 2016)

Monthly groundwater bore monitoring for South East Irrigation Scheme Stage 3 (SEIS3) and surface water sampling for across SEIS2 and SEIS3.

- Veolia – Soil monitoring and NLAR tool development (August 2015 – October 2015)

Soil monitoring and assessment of agricultural land for biosolids spreading and development of Nitrogen Limited Application Rate tool to assist with biosolids application management.

- NRM North – Small Land Holder property management plans (May 2015 – August 2016)

Hugh liaised with small land holders in the Scottsdale region to assist in the development of property management plans using the NRM North Small Holding Self-Assessment Tool.

- Tasmanian Irrigation – Water Monitoring Weir construction (February 2015)

Construction of a water flow monitoring weir on Dunns Creek to monitor environmental flows into the Dunns Creek Dam as part of the Upper Ringarooma Irrigation Scheme.

**Areas of Expertise**

- Recycled water
- Soil monitoring programs
- Climate analysis
- Data handling
- Irrigator compliance programs and development of electronic audit templates
- Logistics
- Water monitoring

**Macquarie Franklin Expertise**

- Recycled water
- Economic studies
- Business and farm management
- Feasibility studies
- State and regional development
- Irrigation and water development
- Land capability and mapping

- TasWater – Annual soil monitoring report: Brighton, Clarence and Penna Recycled Water Schemes (2012 - present).

Annual environmental monitoring and assessment of the Brighton, Clarence and Penna Recycled Water Schemes. Landholder liaison to collate information on recycled water use and coordination of field activities.

- TasWater - Regional Recycled Water Schemes (December 2012 -present)

Annual environmental monitoring, compliance auditing and assessment of regional recycled water schemes in southern Tasmania.

Develop iAuditor template to assist with monitoring and auditing activities.

Landholder liaison to collate information on recent recycled water use activities and coordinate field activities.

- TasWater – Recycled Water IEMP compliance checks and updates – Brighton, Clarence and Penna Recycled Water Schemes (2014 – present).

- TasWater – Brighton, Clarence & Penna Recycled Water Scheme biannual groundwater monitoring event (Oct/Nov 2014)

Groundwater bore monitoring and assessment for bores within the Brighton, Clarence and Penna Recycled Water Schemes.

- NRM North – Intelligent Irrigation Training Course (2014)

Hugh was involved with the project management and facilitation of 5 workshops in the northern Midlands aimed at increasing irrigator's skills, knowledge and confidence to make informed decisions and sustainably manage soils, irrigation and cropping rotations.

- TasWater – Soil Assessment of the Glenfield property in Brighton for recycled water irrigation expansion (September 2013)

Hugh was involved with the project management of a soil assessment on a property to assess suitability for a proposed recycled water expansion for irrigation.

- Tasmanian Irrigation – Water monitoring weir implementation for Midlands Water Scheme (MWS) (April 2013 – June 2013).

Construction of water flow monitoring weirs on the MWS along with installation of water level instrumentation (Air Force HS40V) and flow gauging's to help determine transmission loss within river systems through site specific water flow rating curves.

- Mondelez Australia Pty Ltd – Annual soil monitoring for DAFERT spreading on agricultural land annual report (2013 - present).

- Lion, Burnie – Annual Soil Monitoring Program for whey and wastewater disposal sites (2012 - present).