



Tim is a Principal Groundwater and Water Resource Scientist in SLR's Wellington Office. He leads the NZ Hydrology & Hydrogeology team. He has over 20 years of experience across a broad range of water resource projects.

Tim leads a team of hydrologists, hydrogeologists and stormwater engineers and is involved in the technical review and project direction of a range of projects delivered by the team.

A significant part of Tim's day-to-day technical work involves consent reviews for Regional Councils across New Zealand, acting as a technical specialist at Consent Hearing and Environment Court, and as Expert Witness at Board of Inquiry and Special Tribunals. This experience has given Tim a robust understanding of technical and regulatory review processes.

Tim has recently become a certified hearings Commissioner, having completed the Making Good Decisions Course (2023) which has been valuable for ensuring his review work is aligned with regulatory processes and has recently finished a role as a panel member on the National Green Steel Fast Track application.

Tim is comfortable reviewing and considering a range of water resource related topics, including but not limited to groundwater effects (takes, dewatering, stream depletion, wetland connectivity), hydrology and flood effects, effects of industrial / municipal / agricultural discharges to land, landfill and construction dewatering effects and hydrogeological conceptualisation.

## Education

- Bachelor of Science in Environmental Studies and Geography (Hydrology), Victoria University (2001)
- Master of Science in Physical Geography with Honours (Hydrogeology), Victoria University (2004)

## Select Project Experience

### FTAA Panel Member

#### National Green Steel Limited

Tim was a panel member between October 2025 and March 2026 for this application to construct a new steel mill and associated monofills in the Waikato. As the only panel member with a technical background, his responsibility included review and coordination of reviews for stormwater and flood impacts, groundwater impacts, landfill engineering and erosion and sediment control.

### Technical Consent Review

#### Groundwater (including Quality) Reviews: Horizons Regional Council, Greater Wellington Regional Council, Waikato Regional Council (ongoing)

Tim has been a technical reviewer for over 10 years, including completing the following reviews:

- Effects of wastewater treatment plant discharges to land on groundwater and connected surface water bodies (including presentation of evidence at Environment Court);
- Technical review of groundwater takes (irrigation takes and public water supplies), including an assessment on groundwater resources, and streamflow depletion aspects; and

- Technical review of landfill and infrastructure applications on groundwater including landfill seepage and leachate, and effects of roading projects on groundwater.

## Landfill & Composting

### **Green Island Landfill Consent Review, Otago Regional Council (2023-present)**

Tim is leading the s42a groundwater assessments for the renewal of consents related to the operation of the Green Island Landfill and Resource Recover Park.

### **Tirohia Landfill Consent Hearing, Waikato Regional Council (WRC) (2020)**

Tim was the WRC technical reviewer and groundwater expert for the groundwater related aspects of this consent application. This includes a review of groundwater diversion and leachate plume effects.

### **Gleeson Landfill Consent Hearing and Environment Court, Waikato Regional Council WRC (2022-2024)**

Tim was the WRC technical reviewer and groundwater expert for the groundwater related aspects of this consent application to construct a new C&D landfill on a greenfield site.

### **Envirofert Composting Facility Discharge to Land & Water Hearing, Waikato Regional Council (2019)**

Tim prepared the s42a Groundwater Report and provided expert evidence in relation to discharges from this large green waste composting facility on the banks of the Waikato River.

### **Composting Facility, Whakatane, Whakatane District Council (2016)**

Tim prepared a technical assessment and presented evidence at the hearing regarding the effects on groundwater resulting from the development of a new composting facility on greenfield land in Whakatane.

### **Closed Landfill Management, Kapiti Coast District Council (KCDC) (2013-2019)**

Tim was the technical lead for the KCDC closed landfill programme between 2013 and 2019. This involved managing consent compliance, assisting with s127 change of conditions, and technical advice around monitoring, consent renewal, capping and landfill gas management.

## Wastewater Discharges

### **Palmerston North WWTP Discharge to Land Application, Horizons Regional Council (2023-Present)**

Tim is leading the review of the effects on groundwater of this large discharge to land proposal for HRC. The application is unique in that it seeks to consent an envelope of effects and includes no baseline assessment of the current environment.

### **Levin WWTP Discharge to Land Consent Hearing and Environmental Court, Horizons Regional Council (2019)**

Tim prepared a technical assessment of the effects of wastewater discharge on groundwater at the Levin WWTP disposal site, also known as 'The Pot'.

### **Foxton WWTP Discharge to Land Hearing and Environmental Court, Horizons Regional Council (2018)**

Tim undertook the resource consent groundwater technical review and presented Environment Court evidence in relation to the effects on groundwater of Horowhenua District Councils' application to discharge wastewater onto land.

### **Fielding WWTP Hearing, Horizons Regional Council (2015)**

Tim prepared the s42a groundwater report and provided expert evidence for the Manawatu District Council consent application for the discharge of wastewater to land at the Fielding Wastewater Treatment Plant. The review is focused on the potential impacts of wastewater discharge on groundwater quality and the interconnection between shallow groundwater and nearby river.

**Fonterra Pahiatua Discharge to Land Consent Hearing and Environmental Court, Horizons Regional Council (2014)**

Tim prepared the s42a groundwater report and provided expert evidence for the Consent Hearing and Environment Court Appeal in relation to the effects on groundwater of Fonterra's application to discharge wastewater onto land.

**Catchment Water Resources**

**Kaimaumu Groundwater Consent Application Hearing, Environmental Court and Court Appeal, Department of Conservation (DoC) (2019-2024)**

Tim was the DoC's groundwater expert across all stages of this consent process. Tim's evidence focused on the potential effects of a group consent of >20 groundwater takes that had the potential to affect nationally significant wetlands and groundwater dependent ecosystems. Tim presented evidence at the council hearing, and later at the Environment Court appeal.

**Ngaruroro Water Conservation Order, Special Tribunal, Horticulture New Zealand, (2021-2022)**

Tim provided expert hydrological and hydrogeological evidence for Horticulture New Zealand in their submission on the WCO for the Ngaruroro River.

**Kakanui Kauru Catchment Model, Otago Regional Council (ORC) (2018)**

Tim reviewed the groundwater flow and catchment modelling architecture and modelling results for ORC. The review was used to assist ORC in making decisions around next steps in the project.

**Lower Tukituki Stream Flow Depletion Assessment, Horticulture New Zealand (2016)**

Tim led the assessment of stream flow depletion on the lower Tukituki River for Horticulture New Zealand. The assessment involved developing a conceptual model of the Lower Tukituki aquifer system and then estimating cumulative stream flow depletion using the Theis, Jenkins and Hunt equations. Tim presented this work as an Expert Witness at the Tukituki PC6 Board of Enquiry.

**Kaituna-Maketu-Pongakawa Groundwater Model Bay of Plenty Regional Council (2015-2017)**

Tim was the Project Manager for this large groundwater modeling project. Tim was responsible for ensuring that the model build is tracking on time and budget.

**NERMN Groundwater Monitoring Report Review, Bay of Plenty Regional Council (BOPRC) (2013)**

Tim was the peer reviewer for the 5-Yearly State of the Environment Groundwater Monitoring Report produced by BOPRC. The report included a review of all BOPRC's groundwater data and identification and analysis of state and trends.

**AEE – Linear Infrastructure**

**Warkworth to Wellsford Highway, Waka Kotahi (2020)**

Tim was the lead hydrogeologist responsible for groundwater assessment and provision of expert evidence at the Resource Consent Hearing in 2020.

**Peka Peka to North Otaki Roding Tender Design, Groundwater Assessment Scoping Services, CPB Contractors, NZTA (2016)**

Tim led the hydrogeological programme (scoping and technical input) in relation to groundwater impacts (seepage, cuts in slope, dewatering, water supply) for the tender design phase of this project.

## **Additional Training**

- Making Good Decisions Programme (2023) – passed with Merit.
- Hazardous Substances 40 hr Certification
- Workplace Safety & Health Risks Training 30 hr Certification