

**From:** TTRLApplication  
**Sent:** Wednesday, 15 March 2017 7:13 p.m.  
**To:** TTRLApplication  
**Subject:** FW: 7 March Hearing: question posed by DMC about TRC expert

---

**From:** Karen Pratt  
**Sent:** Wednesday, 8 March 2017 11:39 p.m.  
**To:** TTRLApplication <[TTRL.Application@epa.govt.nz](mailto:TTRL.Application@epa.govt.nz)>  
**Subject:** 7 March Hearing: question posed by DMC about TRC expert

Dear Gen and Team,

Could I please have the following noted with the DMC. At the Hearing yesterday, a question was asked of the Taranaki Regional Council officer, Fred McKay – why their marine expert had not attended expert conferencing. His response was that he felt there would be more qualified experts provided by other parties.

I would just like to alert the DMC that indeed the Taranaki Regional Council marine expert has some impressive credentials and provided information at the last hearing:

[http://www.epa.govt.nz/eez/EEZ000004/EEZ000004\\_TRC%20-%20Emily%20Roberts%20-%20Non-expert%20evidence.pdf](http://www.epa.govt.nz/eez/EEZ000004/EEZ000004_TRC%20-%20Emily%20Roberts%20-%20Non-expert%20evidence.pdf) Her expertise is in plankton.

Thank you,  
Karen Pratt

## Introduction

1. My full name is Emily Clare Roberts. I hold a doctorate in Aquatic Microbiology from the University of Nottingham (1999) and a BSc with First Class Honours in Marine Biology from the University of Wales Bangor (1995). My current position is Scientific Officer-Marine Ecologist at the Taranaki Regional Council (2 years). Prior to this I was employed as a Marine Biology Lecturer at Swansea University (10 years). I have published more than 40 peer-reviewed papers in scientific journals on plankton physiology and ecology. I have previously been a member of the Peer Review College for the Natural Environment Research Council UK (3 years) providing assessment, advice and guidance for grant review panels.
  
2. My evidence will cover the following:
  - a. Summary of the current understanding of the effects of mining on the optical properties of the South Taranaki Bight (STB) with specific reference to primary producers (benthic microalgae and phytoplankton);
  - b. concerns relating to the impacts of mining on primary producers; and
  - c. recommendations in relation to managing potential risk of reduced light penetration resulting from mining activities.