



Photo on front cover (left to right):

Evan Walters – Sales and Marketing Manager PNQ, Ryan Donnelly Strategic Projects Cairns Marine, Darren Caddy – Operations Manager Extraction PNQ.

Pioneer is living the green

Pioneer North Queensland is highly respected in Far North Queensland, with a reputation of having served their local community well for over 20 years. This desire to serve continues as the company becomes involved in some exciting environmental initiatives in partnership with local organisations.

Wet Tropics Healthy Waterways Partnership

The Wet Tropics Healthy Waterways Partnership brings together organisations that collect waterway data from across the community, including industry, academic research and government.

Chair, Ryan Donnelly, says the project collates the significant body of waterway data that is collected for various purposes, and makes the integrated data available to contributors and to the government.

'The project will guide targeted investment in water quality improvement across the Wet Tropics region in the rivers and streams that flow to the Great Barrier Reef', he said.

Pioneer sponsored the launch event for the Wet Tropics Report Card on 6 December 2016. The federal member for Leichhardt, Warren Entsch MP, along with local councillors, James Cook University professors, Queensland government, FNQROC representatives and PNQ Senior Management Team attended the launch event. Darren Caddy (Operations Manager – Extraction) is an active member of the group and a strong advocate for quarries and the protection of the environment.



Above:

The newly designed reef and rainforest truck wraps are creating plenty of conversation around Cairns and amongst Pioneers customers.

Pioneer has committed to supporting further sponsorship of similar community-based events throughout this year in support of the Wet Tropics Healthy Waterways Partnership.

Advance Queensland Innovation Partnership

Pioneer is participating in a joint application for funding as part of the Advance Queensland Innovation Partnership. The funding will be used to develop collaboration between Queensland research institutes and Queensland industries. The other members of the Partnership are James Cook University, Cairns Regional Council and Pioneer North Queensland.

The Partnership plans to explore the use of recycled crushed glass in concrete – it is estimated that the use of recycled crushed glass will lessen the impact of glass waste on landfill sites. The use of recycled glass in concrete also contributes towards sustainable development by reducing the consumption of cement and natural sand.

'Being able to recycle a part of glass waste into concrete as cement or sand replacement, gives a whole new opportunity of recycling glass waste and reduces the amount of waste going into landfill', explains Dr Rabin Tuladhar from James Cook University.

The project will run for three years and will aim to ascertain the physical and chemical properties of recycled material for use in concrete, and how they affect the workability, durability and strength of the concrete.

The pozzolanic properties of glass powder are highly influenced by the powder's chemical composition. These properties indicate the ability of the material to react with Ca(OH)_2 , a by-product of cement hydration reaction, to produce calcium-silicate-hydrate gel, which gives strength to the concrete.

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This partnership aligns perfectly with PNO's goal to expand and grow the company's relationships in the local area by participating as the commercial supporter of collaborative projects with the tiers of government, social interest groups and the community.

The Partnership representatives are Evan Walters, Sales and Marketing Manager; Sunny Ng, Operations Manager Production; Dr Rabin Tuladhar, Associate Dean Learning and Teaching, Senior Lecturer, College of Science and Engineering, James Cook University; and Cairns Regional Council Material Recovery Facility. ■