

# ENVIRONMENT & COMMUNITY AWARD FINALISTS 2023

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“It is not a case of whether quarrying occurs in New Zealand; it is *how* to enable responsible and sustainable quarrying to meet demand for cost-effective product. The annual MIMICO Environment & Community award for the quarry sector is a material and valuable contribution to this debate.”

- Bernie Napp

# Fulton Hogan – Challies Island Extraction

**Fulton Hogan – Commitment to establishing recreational amenity along banks of the Waimea River**

*Challies Island Extraction, Tasman District*

Five years of discussions between Fulton Hogan, Tasman District Council and the eight iwi of Te Tau Ihu is resulting in affordable, locally sourced aggregate from the banks of the Waimea River. In its place will be the start of a new wetland for the benefit of the environment, locals and visitors. 20% of Challies Island's area is being reserved for public paths and access, and this will remain unexcavated. The other 80% will be in wetland. Fulton Hogan has built a cycleway the length of the Appleby Quarry site and invested heavily in removing Appleby's silt ponds alongside the river, replacing them with a silt press.

# Fulton Hogan – Challies Island Extraction



*Completed stage 1 of first pond.*



# Fulton Hogan – Challies Island Extraction



*Installation of the bridge.*



# Fulton Hogan – Challies Island Extraction



*Temporary bridge in place during extraction.*



# Fulton Hogan – Challies Island Extraction



*Dump truck crossing temporary bridge.*



# Fulton Hogan – Challies Island Extraction



*Extraction of pond 1.*



# Fulton Hogan – Challies Island Extraction



*Aerial of completed stage 1.*



# Fulton Hogan – Challies Island Extraction



*Recent images of the pond.*



# Fulton Hogan – Challies Island Extraction



*Bailey bridge used to cross the river when extracting.*



# Winstone Aggregates – Pukekawa Quarry

## Winstone Aggregates – Iwi engagement and the celebration of cultural history

### *Pukekawa Quarry, South Auckland*

Through partnering with local iwi in the kaitiaki group for Pukekawa Quarry, Winstone Aggregates have identified opportunity to enhance the riverside area around a monument, installed by them, to remember the settlement of the second Māori King (Kiingi Tāwhiao) as a 'gathering place of resources' through planting and pest control. It is a site of significant cultural significance within the quarry, known to the people of Ngāti Tamaoho and surrounding iwi called 'He tohu maumahara ki te puna wai a Tāwhiao' and an area where Kiingi Tāwhiao is known to have spent a lot of his time.



# Winstone Aggregates – Pukekawa Quarry



*Monument to second Māori King – Kiingi Tāwhiao.*



# Winstone Aggregates – Pukekawa Quarry



*Riverside area around monument.*



# Winstone Aggregates – Pukekawa Quarry



*Riverside area around a monument.*



# Winstone Aggregates – Pukekawa Quarry



*Waikato River near monument.*

# Fulton Hogan – Willowbank Quarry

## Fulton Hogan – Construction of a fish ramp

### *Willowbank Quarry, Wellington*

Inheriting a partly constructed but non-operational fish ramp from the previous operators of the site, Fulton Hogan redesigned and constructed the fish ramp that drops down 25m over 90m to enable fish passage from a stream below the quarry to the upper catchment areas on the Willowbank farm. This also involved reinstating 280m of flowing stream that was flowing underground and constructing a drift deck over the fish ramp to allow vehicle access in high flow events.



# Fulton Hogan – Willowbank Quarry



*Fish passage.*



# Fulton Hogan – Willowbank Quarry



*Upper stream repairs.*



# Fulton Hogan – Willowbank Quarry



*Lower stream repairs.*





# Fulton Hogan – Willowbank Quarry



*Storm damage.*



# Fulton Hogan – Willowbank Quarry



*Drift deck installation.*



# Fulton Hogan – Willowbank Quarry



*Fish pools, baffles and mussel ropes.*



# Fulton Hogan – Willowbank Quarry



*Bypass systems.*



# Fulton Hogan – Willowbank Quarry



*Stilling basin.*



# Fulton Hogan – Willowbank Quarry



*Stilling basin – prep works.*



# Fulton Hogan – Willowbank Quarry



*Stilling Basin - drainage system.*



# Fulton Hogan – Willowbank Quarry



*Stilling Basin – dam wall.*



# Fulton Hogan – Willowbank Quarry



*Stilling Basin – spillway.*



# Fulton Hogan – Willowbank Quarry



*Drift deck for access and water flow.*