

PUMP STATION "ONCE IN A GENERATION" PROJECT

ENVIRONMENT SOUTHLAND

Project: Stead Street Pump Station Replacement **Location:** Invercargill/Waihōpai, Southland/Murihiku

Environment Southland is installing new energy-efficient, twin Archimedes screw pumps at the Stead Street Pump Station which will provide safe fish passage for valued mahika kai species

This project will bolster climate resilience for Southland's biggest urban centre and help to meet the aspirations of Kāi Tahu ki Murihiku to have the health of the Kōreti estuary restored.

Wider benefits of Pump Station will exceed flood protection

Extensive native plantings undertaken by Iwi owned and operated charitable conservation organisation Te Tapu o Tāne for the ICC project will be further enhanced once the pump station build is complete.

The design, fabrication and construction of the Mahi Toi (art pieces) which will adorn the front exterior of the Pump Station, are a collaborative effort that builds on the recently completed ICC climate resilience project on Stead Street and Airport Avenue. Coordinated by Keri Whaitiri, the current project connects the Waihōpai Rūnaka Narratives Committee, lead artist James York, and the same team of engineers, designers, 3D modellers and fabricators that worked on the ICC project. A specialist fabricator will pre-assemble the artwork, and a local engineering firm will do the final on-site assembly.

Project funding

Kānoa \$2.25m | Environment Southland \$8.75m

Total project

\$11m

Social and Environmental Benefits



Protection for **116 properties** in the immediate area



Lifeline for airport, **supporting 320,000 passengers** plus freight each year



27km of waterways that operate as drainage network opened for **safe fish passage**



Multi-collaborative effort to design and construct Mahi Toi elements



194 people worked on project since inception - more than 132 FTE months of employment.

"Good species passage supports indigenous species, recognising the value of the Kōreti estuary and the aspiration for a return to the once healthy state of these important waters."

- **Keri Whaitiri (Kāi Tahu, Kāti Māmoe)**. As Project Coordinator for the Mahi Toi elements, Keri's role ensures that Kāi Tahu cultural values and history are reflected in the project.



Mahi Toi designs associated with the pump station are integral to the wider Stead Street climate resilience project. The above image shows the design detailing at the end of the new sheet pile wall, conceptually transforming it into a Waka Tiwai.

