



**Project name:** Karamea Bluff Remediation  
**Client:** Geostabilization International (GSI)  
**Project date:** 2025

#### **Project description**

Geotech Ltd were engaged by Geostabilization International (GSI) to remediate a failed shotcrete stabilisation job on the Karamea Highway. Works involved hand-spraying shotcrete over the highway bluff from a hiab-mounted man cage, as well as clean up from previous failed shotcrete.

Due to previous failures on the same works area, there was the need for a high-end quality assurance spread. This included supply of aggregate certificates for all elements of the shotcrete mix, crush tests for cored and cast shotcrete samples, and detail on accelerant dosages and shotcrete thickness. Specifications for the work required the shotcrete crush tests to be above 30 MPa at 28 days, which our mix design accomplished with ease.

**Project value**  
\$27,000

**Project references**  
GSI – Lindsay Dowling

Project Engineer (Riley Consultants) – Paul Aynsley  
021 242 4221