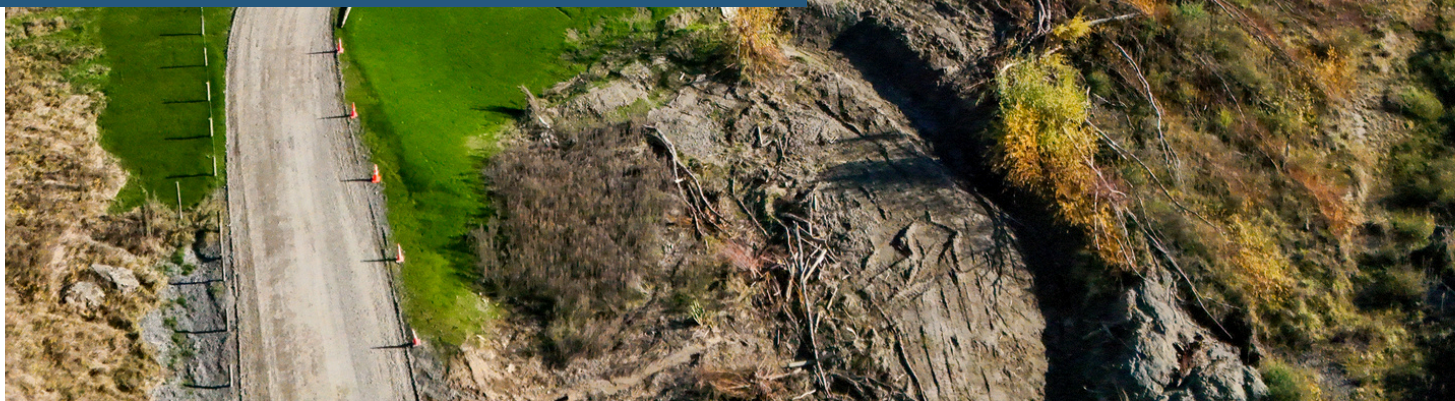
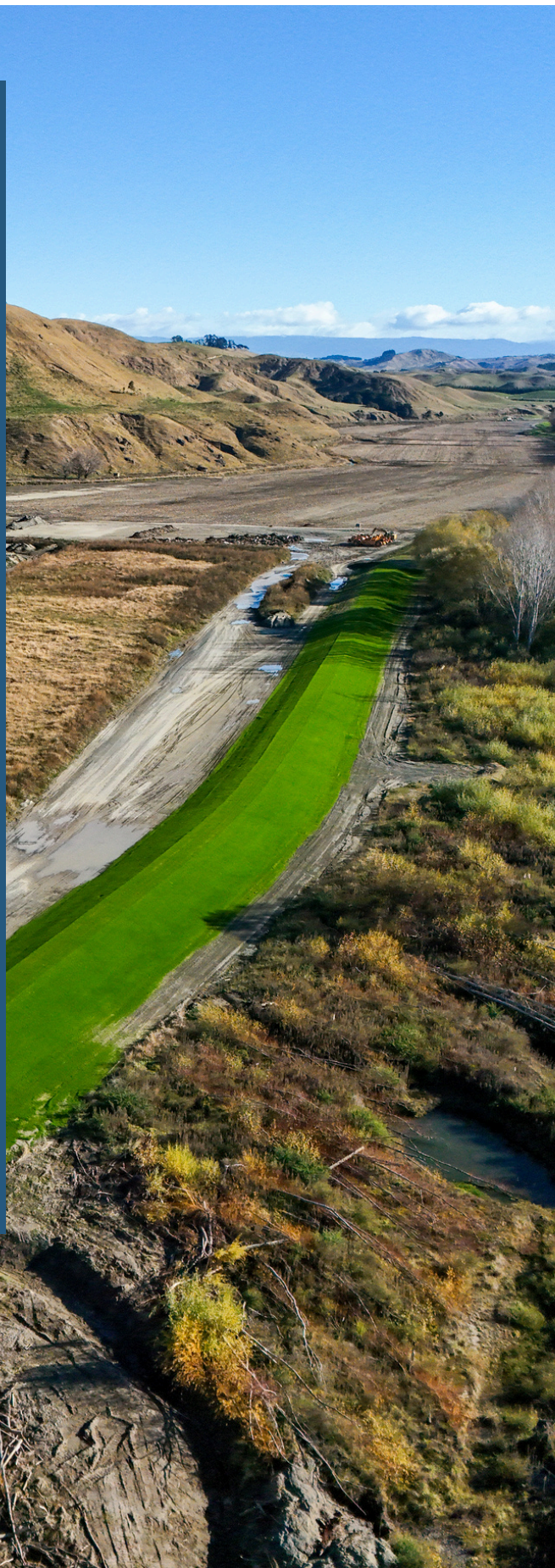


CASE STUDY

CYCLONE GABRIELLE STOP BANK RECOVERY WORK

FEB 2023 - FEB 2024



INSTANT GREEN



HAWKES BAY
REGIONAL COUNCIL

CLIENT

Hawkes Bay Regional Council
(HBRC)

PROJECT

Stop bank recovery work after
Cyclone Gabrielle.

PRODUCTS USED

- Stabi-Mulch applied at 2500-3500kg/ha.
- A mix of pasture seed blend, browntop seed, and winter-active species was used to encourage growth during the winter period. These varied between sites and depended on the time of year.
- Starter Fertilizer

SCOPE

Hydro Mulching various stop bank breaches, scours and similar across the HBRC network. Over **300,000m²** completed.

When Cyclone Gabrielle hit the East Coast on the 14th February 2023, it caused Approximately \$5billion worth of damage. 5.2km of HBRC stop banks was breached, across about 30 locations, and a further 28km were weakened.

HBRC engaged local civil contractors immediately to repair these scours and breaches back to pre-cyclone levels.

Having a relationship with HBRC since 2014, Instant Green was issued a PO and engaged directly by HBRC to hydro mulch the stop banks once they were at final levels and topsoiled.

This involved communicating with multiple contractors across multiple sites throughout the rebuild stage. With a sound knowledge and reputation amongst local contractors, we were able to work with the many local contractors that were engaged as well as communicating with the HBRC project managers, ensuring projects were completed on time and at the right time.

Challenges onsite

- River crossings on some sites.
- Working through winter and wet weather.
- Achieving grass strike through winter in low soil temperatures.
- Closing out large areas with time constraints, due to incoming rain events.
- Accessing sites through farm tracks.
- Communicating with neighboring landowners for access.



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Lower Walker Road

We had to utilize our full suite of equipment to successfully complete all the sites. One of the most challenging sites was Lower Walker Road, on the Waipawa river. We could only access with 4wd vehicles and our JCB Fast-trac. On top of this we had to Hydro Mulch the 3ha site in the middle of winter. **Despite soil temperatures dropping to 5 degrees we still achieved a 100% grass strike in 8 weeks**, by adding our Winter active varieties.

We were able to complete the 3ha site in just 2 days meaning the site was stabilized before the next rain event came through



Keeping an eye on soil temperatures, is a simple yet vital part of ensuring a successful result in the long term.

Being locally owned and operated out of Hawkes Bay, we are able to take control of this process, ensuring projects are completed with the right products and the right equipment.



Puketapu Stopbank



At one of the Puketapu sites, the earthworks contractor was working overtime to topsoil the stop bank before a rain event came through. They finished the 2ha site just in time and we were able to Hydro Mulch the entire 2ha in one day on site with our 8x8 and T400 (the largest hydro mulcher in New Zealand). After the rain event, the stop bank had no sediment run off, with no rework required. Within **4 weeks we achieved an 80% grass strike**, and local residents could move back into their homes.



Why Instant Green ?

We have NZ's most capable Hydro Mulching fleet with the two largest hydromulch trucks in New Zealand, a range of 8x8, 6x6, and 4x4 trucks as well as a JCB Fast-Trac if required to work on extremely soft sites or tricky access.

If required, we could mobilize all our plant to site and complete up to 7ha per day.

The cannons on our trucks can reach up to 100 meters from the truck, meaning we don't have to run hoses and seed areas without driving on them

Instead of importing products, 80% of our materials are sourced from Hawkes Bay the other 20% are sourced throughout New Zealand.

Instant Green is 100% locally owned and operated.

Our staff benefit from a Growth by Sharing bonus scheme, ensuring that everyone, not just shareholders, gains from our success.

For all inquiries / pricing contact Ashton Currie, Director of Instant Green.

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