

# Karamea Stopbank Upgrade – Last Resort Stopbank to Bridge

Prepared – April 2019

The West Coast Regional Council, on behalf of the Karamea Rating District are proposing to upgrade the Karamea stopbank from upstream of the Last Resort Stopbank through to the Karamea River Bridge, a length of 1,287m.

The majority of this length of stop bank has been identified as having a high risk of failure due to its location (crossing a relict flood channel), the nature of the unconsolidated material making up the existing stop bank, and the reduced height and width of the bank due to settlement over time.

The upgrade will be a gravel overlay of the existing bank. The crest width will be 4m and the crest level will follow the same grade as the Last Resort Stopbank. Batter slopes on both sides are 2:1, with the slopes re-soiled and grassed where required.

Following consultation with the Karamea Rating District committee it is proposed to undertake the upgrade of the full length of the stopbank between the Last Resort Bank and the Karamea River Bridge as one contract. Including contingencies and staff costs this option is estimated at \$393,250 /1,287m (or \$30,555/100m)

A loan would be taken out on behalf of the Karamea Rating District to fund the works as the current account balance is insufficient to cover the full cost of the works. The loan would be taken out over 20 years, at an approximate interest rate of 3%.

The modelled impact of a \$400,000 loan @ 3% interest repaid over 20 years per \$100,000 of CV

|   |               |
|---|---------------|
| A | \$60.66 + GST |
| B | \$48.53 + GST |
| C | \$36.40 + GST |
| D | \$ 6.07 + GST |
| E | \$ 3.03 + GST |

A public copy of the full surveyed alignment, long sections and cross sections for the proposed upgrade is located at the Karamea Information Centre.

