

*Hutt River*.—Opposite Upper Hutt Borough, with a view to preventing erosion of valuable land, the river was straightened by some 60 chains of pilot cuts and the construction of a stop-bank on the right bank. Some additional work, comprising widening of the new channel at the north, was completed, and permeable obstructions are in hand in the old channel at Pine Avenue. Two solid banks were completed across the old channel to prevent erosion opposite Newton Street.

*Wairoa River: Fennel Island*.—Further opening-up of the intake to the cut by bulldozing about 3,000 cubic yards across the river was done. The cut appears to be functioning satisfactorily, but has not yet shown much sign of scouring to the full width.

*Wai-iti River*.—Attention was given to several of the sections near Wakefield, which were cleared last year to induce stream-flow towards the centre of the river. Several of the loops are silting satisfactorily.

*Motueka River*.—Clearance of gorse, &c., from the stream bed in North's property, Motupikō, was necessitated by severe bank-erosion above the foot-bridge. The bank was protected by layered willow trees, and the stream diverted through the area cleared.

*Lower Motueka*.—Clearance of the gorse-and-broom-covered point half a mile above the State Highway bridge, partly by bulldozer but mostly by heavy plough was completed during the year.

*Anatoki River*.—The work of restoring the weir between the river and Onespee Creek has been completed.

About half a mile down-stream from the weir a 4-chain length of layered willow weir was constructed to prevent splitting of the stream. Some deepening of the right-hand stream and removal of growth from an island near the right bank was also done.

*Takaka River (J. G. Page Estate)*.—A 30-chain length of stone facing has been completed with hard limestone. Lighter stone (half a ton) than on previous jobs was used over a short length, and, although generally satisfactory, some has washed out and had to be replaced. Approximately 2,658 cubic yards of stonework was placed and 3,974 cubic yards of gravel backing.

Jenkins Point has been removed to improve the river approach to Page's Cut down-stream, completed the previous year. This work has been almost completed, and the material has been used to build a stop-bank from the old cross stop-bank at O.M. 1022 (left bank) to O.M. 6744 (left bank) near the Pupu River. This is a distance of  $51\frac{1}{4}$  chains, with a quantity of 21,100 cubic yards. The maximum stop-bank height was 12 ft., and the whole of the bank has been sown with grass-seed. Fencing has not yet been completed.

Lindsay's Property. Anchoring of willows with bolsters and bulldozed shingle was done as edge protection round a sharp curve over a length of 10 chains.

*Waingaro River*.—Channel improvements to induce stream-flow through the centre stream of three has been done in the most western part of Longford's property.

*Aorere River: Morley's Creek Entrance*.—Leakage between the end of the weir and the bank caused some erosion, and the weir was lengthened by about 20 ft. and the bank covered with manuka fascining and stones.