

flow of the main river here. This stream may be seen from the railway flowing through and protected by the yet untouched forest. The Ongarue, joining at Taumarunui, is another very important tributary, with its affluents drawing supply from the Tuhua Ranges and the adjoining hills. The streams joining the Wanganui above the junction of the Whakapapa, and also the Retaruke and the Manganui-o-te-ao on the eastern watershed, with the Ohura, the Tangarakau, and the Whangamomona on the western side, with their tributary streams and numerous other feeders on both sides, are all important.

The Wanganui River being used for navigation, both for settlement and scenic-route purposes, and much work having been successfully done to improve it for this purpose, forms a special case, and the matter is urgent. A comprehensive scheme of forest-conservation over the whole of the Wanganui watershed area, where yet unsettled, is desirable if the river is to be kept available for light-draught navigation. The maintaining of this in low-river times is even at present a matter of some difficulty, and the whole question referred to herein is most important in the interests of the future.

Wanganui, 15th June, 1910.

JOHN T. STEWART.

SECOND REPORT.

The Chairman, Wanganui River Trust.

I FORWARD herewith some notes taken on this visit. A copy of these notes might be given to the foreman of works, Mr. A. Marshall, for his information for next season's work.

Below Pipiriki.

Tupapa Rapid, No. 235.—The wire-net wall requires repair. This is only a short wire-net wall at the outer end of old wall. Stones to be used and run along the net wall. A few stones also to be put where wall joins right bank.

Whakaruawaka, No. 231.—The wire-net wall requires repairs with stones. The long wire-net wall from right bank has the shingle mostly washed out, and should be renewed by wall of large stones. This work is urgent. Also repair gap in stone wall at top of rapid.

Auokura, No. 229.—Wire-net wall from left bank might be renewed with large stones.

Upokopoto, No. 228.—The stone wall at right bank at lower end wants some stones at inner end and up along the bank there, to check the scour at bank. Also slight repair to gap of blocking wall at upper end of rapid.

Umutapi, No. 222.—A low place in wall. Not urgent.

Ruapirau, No. 213.—Some more stone protection on right bank wanted below what was done formerly opposite the training-wall. Also a few large stones where the wall on left bank joins the cliff.

At *Kawana* a training wall would improve the channel.

Motoa, No. 207.—The lower wall requires making up where it joins the island.

In the Upper Portions of the River.

He Repu, No. 75.—Wire-net wall right bank. Lower end dropped, also at bend in middle, and gap at top. There are stones on left bank for repairs.

Between No. 68 and No. 67.—A shallow may want a wall in future, but boat got up well.

Arataua, No. 67.—Long wire-net wall sunk for half a chain; still acting well.

Te Aukopae, No. 53.—Captain of steamer says a bit of papa to be removed from channel.

Te Rata, No. 40.—Some stones to clear out.

Motutara, No. 35.—Somewhat shallow. Boat got up well.

Powhakamaru, No. 33.—Wire-net wall from left bank damaged a good deal for 2 or 3 chains. The other wall, right bank, is good.

Manawanawa, No. 31.—Good water. Some small stones to clear out.

Titakataka, No. 23.—The wall on right bank wants repair at gap close to bank.

Wairere, No. 18.—Wire-net wall on right bank broken at end.

Tauteti, No. 16.—The wall on left bank wants repair. The shingle has banked up on channel side of wall, right bank, and narrows the channel a good deal. A boulder in the channel in the run above Tauteti might be taken out.

Rakauwhakamatuka, No. 15.—The turn might be eased in manner pointed out by foreman of works formerly.

Te Whenua, No. 14.—The channel is scoured down to papa bottom. Any lumps in bottom might be seen to.

Tuangahoru, No. 5.—The right bank is wearing away, and may widen the channel here and give shallow water. This should be watched.

Ngahuinga, No. 1.—The wall on left bank showing signs of sinking in parts.

N.B.—There are also some training-walls required at several shallows which the foreman of works is aware of.

Wanganui, 15th June, 1910.

JOHN T. STEWART.

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