

one a civil engineer and the other a farmer. The Stipendiary Magistrate shall call such evidence and take such steps as he considers necessary, and advise the Trust as to the amount to be paid out in respect of each claim, and the Trust shall make the disbursements accordingly.

In the event of damage being done greater than the amount of money in the fund, then the claims shall be paid *pro rata* from the amount available in the fund, and such payments shall extinguish all liability then existing. In other words, no claims shall be carried forward as a charge against other moneys to be accumulated.

This our report, which has been unanimously adopted, we have the honour to respectfully submit for the consideration of Your Excellency, together with the transcript of the evidence taken by us in the course of our investigations, and the following plans illustrating our report :—

Plan No. 1 : Plan showing position of cross-sections taken to compute flood-discharge. (Scale, 20 chains = 1 inch.)

Plan No. 2 : Plan showing proposed levees and river-diversions. (Scale, 20 chains = 1 inch.)

Plan No. 3 : Longitudinal section showing approximate ground-levels and proposed levee-grades, Matau Branch. (Scales—horizontal, 40 chains = 1 inch ; vertical, 4 feet = 1 inch.) Also typical cross-sections of proposed levees. (Scale, 10 feet = 1 inch.)

Plan No. 4 : Longitudinal section showing approximate ground-levels and proposed levee-grades, Koau Branch. (Scales—horizontal, 40 chains = 1 inch ; vertical, 4 feet = 1 inch.)

Plan No. 5 : Lithograph showing flooded area, rating-area, and proposed subdivisions. (Scale, 1 mile = 1 inch.)

Plan No. 6 : Longitudinal section, Clutha River, from Hawea to the sea, showing flood-levels, &c. (Scales—horizontal, 10 miles = 1 inch ; vertical, 100 feet = 1 inch.)

Plan No. 7 : Graphs showing rise and fall of floods at various points. (Scales—vertical, 10 feet = 1 inch ; horizontal, 1 day = 1 inch.)

Plans 1 to 7 are recorded in the office of the Hon. Minister of Public Works as P.W.D. 48357.

In addition to the plans which accompany the report a large number of plans have been prepared and are now lodged in the office of the Minister of Public Works, recorded as P.W.D. 48330. These consist of, *inter alia*, cross-sections of Clutha River (twenty sheets), including one at Clyde with details of flood-flow, and another with particulars of flood-heights as recorded on the railway and road bridges at Balclutha ; diagrammatic section of the railways within the area subject to flood ; section along both branches from Balclutha to the sea, showing bottom of river, low-water level, ground-level, flood-levels, and levees ; plan and section in vicinity of Pomahaka Bridge which was carried away during the flood of 1917, prepared for the purpose of computing flood-discharge ; plan showing the position of cross-sections taken at Begg's, Pukeawa ; plan showing the position of cross-sections taken at Clydevale ; cross-sections, Balclutha protective levee, showing flood-levels and leaks through bank ; graph showing gauge-readings at Balclutha traffic-bridge during duration of survey ; plan showing levels of Barnego Flat ; plan of Tuakitoto and Kaitangata Lakes district, showing flooded areas, contours, &c. ; plan of Waitepeka Canal diversion, showing levels of land damaged in floods of May and September, 1917 ; particulars of old bridge at Roxburgh, built in 1875 and carried away by the flood of 1878, showing rises in the low-water surface ; graph showing rainfall at Clyde for the period 1906–19 ; plan of Balclutha to the sea, showing existing levees, erosions, ground-levels, and position of cross-sections, &c.

Given under our hands and seals, this 19th day of March, 1920.

F. W. FURKERT, Chairman.

ASHLEY J. HUNTER, }
F. C. HAY, } Commissioners.

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