

TABLE No. 7—continued.
IRRIGATION AND WATER-SUPPLY—continued.
SCHEDULE OF SCHEMES UNDER INVESTIGATION.

Scheme.	Source of Supply.	River Discharge (Minimum).	Main Canals Discharge (Maximum), as per Design.	Average Rainfall from Records available.	Rainfall, 1923.	Area commanded (Gross).	Length of Main Canal.	Length of Distribution-tarcs.	Expenditure to 31st March, 1924.	Estimate to complete.	Remarks.
Maniototo (Upper Tateri)	Tateri River and storage dam	Cusecs. 25	Cusecs. 500	Inches. 17.35 (Waipata)	Inches. 13.89	Acres. 100,000	Miles. 60	Miles. ..	£ 142	£ ..	Modified scheme for complete irrigation of 5,000 acres is possible without storage, or for reasonable partial irrigation of 15,000 acres.
Cronwell Flat and Lowburn (Roaring Meg)	Roaring Meg Stream (gravity), Kawarau River (pumping)	29 3,000	40	21.13 (Luggate)	20.73	15,000	10	30	1,186	39,700	Roaring Meg Scheme: This will irrigate 3,750 acres, and may be reduced in cost by charging £11,350 to possible hydro-electric-power development. Kawarau River: A private company is developing this portion of scheme. A survey party is engaged investigating alternative proposals for taking part of Roaring Meg water to Mount Pisa Settlement lands. This may alter estimate.
Upper Manuherikia	Manuherikia and Dunstan Rivers, and storage dam in Manuherikia River at Falls	77	355	18.39 (Glyde, Ophir, and Blackstone Hill)	21.72	96,000	130	..	3,307	866,360	Survey has been proceeding for several years, and general report just completed. Of the gross area of 96,000 acres, 64,000 acres are estimated to be actually suitable for irrigation. The full development of this scheme involves the construction of a storage dam, estimated to cost £250,000, but some of this cost would be borne by the Mount Ida and Scandinavian schemes.
Mount Ida	Tributaries of Manuherikia River and Eweburn Reservoir	..	50	23.93 (Eweburn, Naseby)	31.59	10,000	50,000	For lands in Upper Idaburn to Naseby. Includes £19,000 towards cost of Falls dam, Upper Manuherikia scheme, and £11,000 for value of present works.
Arrow River	Arrow River ..	55	48	25.51 (Frankton)	26.44	6,536	17	24	16	93,598	To irrigate Arrow Flats, Miller's Flat, Speargrass Flat, and Frankton. Formation of an irrigation district under the Public Works Act is under close consideration by settlers and Department.
Hawea Flats (first alternative)	Timaru Creek (gravity)	20	30	21.97 (Hawea Flat)	21.80	4,000	11	20	21	41,470	To irrigate lower flat only.