

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, 1926.	Area commanded (Gross).	Length of Main Canal.	Length of Distributaries.	Expenditure to 31st March, 1927, complete.	Estimate to complete.	Remarks.
Maniototo (Upper Taieri)	Taieri River and storage dam	Cusecs. 25	Cusecs. 500	Inches. 17·67 (Waipiaa)	Inches. 19·47	100,000	Miles. 60	Miles. ..	£ 257	£ ..	Modified scheme for complete irrigation of 5,000 acres is possible without storage, or for reasonable partial irrigation of 15,000 acres.
Cromwell Flat and Lowburn (Roaring Meg)	Roaring Meg Stream (gravity). Kawarau River (pumping)	29 3,000	40	21·52 (Luggate)	23·28	15,000	10	30	3,074	Various	This scheme is a costly development, and alternative scheme of combined power development and irrigation are being investigated.
Upper Manuherikia	Manuherikia and Dunstan Rivers, and storage dam in Manuherikia River at Falls	77	500	20·07 (Clyde, Ophir, and Blackstone Hill)	27·74	96,000	130	..	5,256	866,360	Surveys and investigations in connection with dam and storage have been continued.
Hawea Flats (first alternative)	Timaru Creek (gravity)	20	30	26·42 (Hawea Flat)	20·05 (8 months only)	4,000	11	20	49	41,470	To irrigate lower flat only.
Hawea Flats (later alternative)	Hawea River (pumping)	..	..	26·42 (Hawea Flat)	20·05 (8 months only)	17,600	..	..	..	71,720	Latest tentative proposal. Electric power not necessary, but water to be pumped by direct application of power generated by low-pressure turbines at outlet of Lake Hawea. This appears preferable to alternative No. 1, and appears to be a promising scheme. Further closer survey and estimates are necessary.
Chapman's Gully	Butcher's Creek, Conroy's Creek, and storage dam	..	..	15·02 (Alexandra)	17·65	100	..	..	16	1,165	May yet be amalgamated with Last Chance scheme or possible scheme from Conroy's Gully.
Bendigo Flat	Lindis River and storage dam	40	30	19·32 (Tarras)	21·64	3,000	7	..	..	..	Survey will be commenced shortly.