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.	A verage Rainfall from Records available.	Rainfall, 1928.	Area commanded (Gross).	Length of Main Canal.	Length of Distribu- taries.	Length of Expenditure Distributed March, 1929.	Remarks,
Maniototo (Upper Taieri)	Taieri River and storage dam	Cusecs. 25	Cusecs. 500	Inches. 17·54 (Waipiata)	Inches. 17.32	Acres. 100,000	Miles. 60	Miles.	£ 257	Modified scheme for complete irrigation of 5,000 acres is possible without storage, or for
Cromwell Flat and Low burn (Roaring Meg)	Roaring Meg Stream (gravity), Kawarau	29 3,000	40	21·16 (Luggate)	21.88	15,000	10	30	3,367	reasonabre partan irrigation of 15,000 acres. Development would be costly.
Upper Manuherikia	Anther (pumping) Manuherikia and Dunstan Rivers, and storage dam in Manuherikia River	7.7	500	20·70 (Clyde, Ophir, and Blackstone Hill)	25·10	96,000	130	:	5,334	Further investigations into water requirements and areas available, and revised estimates have been made.
Hawea Flats (first alter-	at Falls Timaru Creck (gravity)	20	30	26·01	20.58	4,000	11	20	49	To irrigate lower flat only.
nauve) Hawea Flats (later alternative)	Hawea River (pumping)	:	:	(Hawea Flat) (Hawea Flat)	20.58	17,600	:	•	:	Latest tentative proposal. Electric power not necessary, but water to be pumped by direct amplication of nower cenerated by low-messure
			4							tribines at outlet of Lake Hawea. This appears preferable to alternative No. 1, and appears to be a promising scheme. Further closer survey
Chapman's Gully	Butcher's Creek, Conroy's	:	:	14.57	13.45	100	:	:	16	and estimates are necessary.
Bendigo Flat	Creek, and storage dam Lindis River and storage	35	30	(Alexandra) 19.46	21.83	3,000	7	:	:	The greater portion of this area is now served.
* Teviot River Extension	Teviot River and Lake Onslow dam	40	80	( Larras) 14.90 (Roxburgh East)	17.15	2,300	;	:	207	To irrigate a limited area in the vicinity of Ettrick, on west side of Clutha River. To be
Miller's Flat Luggate Burn	Minzionburn Luggate Burn	9 :	:13	21.16	21.88	2,000 1,200	::	::	192 273	commenced in July. Survey and proposals completed. To supply water to part of Mount Pisa settle-
Scandinavian	Tributaries of Manuheri- kia River	:	20	(Luggave) 30·94 (St. Bathan's)	34.99	4,000	•	:	:	For lands about St. Bathan's. Includes £12,000 towards cost of Falls dam. Upper Manuherikia
Soil Survey (Central Otago)	:	:	:	:	: .	:	:	:	3,065	Schouse.  This soil survey in the irrigation districts is now complete, and plans are being prepared.
Investigation of proposed schemes	:	:	;	÷	:	:	:	:	247	250,000 acres were surveyed this year. Includes the reading of river and rain gauges.

\* Put under Teviot River scheme with which it will be ultimately amalgamated.