TABLE No. 6-continued. IRRIGATION AND WATER-SUPPLY--continued.

SCHEDULE OF SCHEMES UNDER INVESTIGATION.

		Rainfall, commanded	Length of Main Canal.	Length of Distribu- taries.	Expenditure to to March.	Remarks,
Rangitata River	as per Records available. Design.	(G1088).	-		1936.*	
at and Low-Hydro-electric developaring Meg) Ling Meg) Lyper Taieri) Taieri River and storage Tributaries of Manuheri- Lyawea Flats) Tributaries of Manuheri- Lawea Flats) Lake Hawea Meg) 29 Region Tributaries of Manuheri- Kia River Soo Tributaries of Manuheri- Kia River Clutha River 3,000 Lake Hawea Manuherikia River and 336	Cusecs. Inches	Inches. 53,000 25.0 53,000 26.5 113,000 26.5 44,000 28.44 84,000	Miles. 00 00 00 00	Miles.	$\left.\begin{array}{c} \mathfrak{t} \\ 16,049 \end{array}\right $	Investigations into the feasibility of irrigation in the Canterbury Province have been in hand since January, 1934. Investigations include the following phenomena, viz.: Soil moisture, mechanical analysis of soil, depth of ground water, evaporation, rainfall, and river-flow.
at and Low- Hydro-electric develop- and pumping from Meg) Clutha and Kawarau Rivers Upper Taieri) Taieri River and storage 25 an Tributaries of Manuheri- Hawea and Clutha Rivers 580 aa Valley (in- Hawea and Clutha Rivers 580 (Clutha R.) take Hawea (Clutha Rivers 580 take Flats) station at outlet of 3,000 Lake Hawea and 36	:	:	•	•	748	Comprehensive investigation surveys of schemes for the Wairau Valley and parts of the Wairau Plains are in hand.
25 5 580 .(Clutha R.)	20.55 (Luggate)	25.85	:	:	3,774	Hydro-electric scheme under investigation. Power would be available for pumping irrigation supplies to 8,000 acres in Upper Clutha Valley. Portion of this area could be supplied scheme.
Tributaries of Manuheri- Kia River Walley (in- Waping) with power- (Hawea and Clutha Rivers (Hawea R.) Station at outlet of 13,000 Lake Hawea Manuherikia River and 36	500 16.84 (Waipiata)	14.73 100,000	09 00	:	15,315	Modified scheme for complete irrigation of 5,000 acres is possible without storage, or for reasonable partial irrigation of 15,000 acres.
Hawea and Clutha Rivers (pumping) with power- station at outlet of Lake Hawea (Clu Manuherikia River and	20 30·66 (St. Bathan's)	31.76	:	:		irrigate 100,000 acres. For lands about St. Bathin's. To bear £15,000 towards cost of Falls dam, Upper Manuherikia scheme. Irrigable area, 3,000 acres.
Manuherikia River and	21.78 (Hawea Flat, Luggate, and Tarras)	23.28	:	:	<u>:</u>	Investigations have been made for a hydro- electric power development at the outlet of Lake Hawea. Sufficient power would be available to pump water from the Hawea and Clutha Rivers to 13,700 acres in the Upper
	(Clyde, Ophir, and Blackstone Hill)	19.61 16,000	58	09	6,553	Clutha Valley. Surveys and investigations have been made for the extension of the Omakau scheme (now under construction) to supply lands between Tiger Hill and Clyde. Irrigable area, 12,000
Investigation of proposed	:	:	:	:	2,145	acres. Includes the reading of river and rain gauges.
souemes Total: Schemes under investigation	:	:	:	:	44,584	,
Grand total	:	:	:	:	1,487,884	

* Includes expenditure from Public Works Fund, Consolidated Fund, Unemployment Fund; also administration and loan charges.