

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

| 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 Distributaries. | Expenditure to 31st March, 1924. | Estimate to complete. | Remarks. |
|---------------------------------|--|------------------------------|---|--|----------------|-------------------------|-----------------------|---------------------------|----------------------------------|-----------------------|---|
| | | Cusecs. | Cusecs. | Inches. | Inches. | Acres. | Miles. | Miles. | £ | £ | |
| Hawea Flats (later alternative) | Hawea River (pumping) | .. | .. | 2 97 (Hawea Flat) | 21 80 | 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 | .. | .. | 14 78 (Alexandra) | 12 76 | 100 | .. | .. | .. | 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 | 16 90 (Tarras) | 16 90 | 3,000 | 7 | .. | .. | .. | To irrigate Teviot and Ettrick. Involves enlargement of Lake Onslow dam. Some further investigations made, and survey expected to be commenced shortly. |
| Teviot River Extension | Teviot River and Lake Onslow dam | 40 | 80 | 13 80 (Roxburgh East) | 15 59 | 13,400 | .. | .. | .. | .. | Proposed to utilize abandoned race of Island Block Extended Gold-mining Company. A new and promising proposal, which is about to be placed under survey. |
| Miller's Flat .. | Minzionburn .. | 6 | .. | .. | .. | 2,000 | .. | .. | .. | .. | To supply water to part of Mount Pisa Settlement lands. Survey about to proceed. |
| Luggate Burn .. | Luggate Burn .. | 6 (after existing rights) | 12 | 21 13 (Luggate) | 20 73 | 1,200 | .. | .. | .. | .. | For lands about St. Bathans s. Includes £12,000 towards cost of Falls dam, Upper Manuherikia scheme. |
| Scandinavian .. | Tributaries of Manuherikia River and Eweburn Reservoir | .. | 20 | 27 83 (St. Bathans) | 26 19 | 4,000 | .. | .. | .. | 50,000 | |