

Irrigation Project and the Johnstone Western Canada Ranching Project No. 1, have been completed within the South Thompson Valley area. On these projects, 755 acres of land have been developed for irrigation and homes have been provided for approximately 35 Second World War veterans.

Four other projects, located in the Okanagan and South Thompson valleys of British Columbia, were in the construction stage of development at mid-summer, 1950. They are: the South Thompson-Niskonlith Gravity Project; the Westbank Irrigation Project, the Cawston Benches Irrigation Project, and the Johnstone Western Canada Ranching Project No. 2. When completed these projects, affecting 3,460 acres, will be settled by approximately 300 veterans and used for the production of fruit, high-return-value seed and ground-crops.

Four additional projects were surveyed during 1949 and recommendations have been made for their construction in 1950-51.

Major Reclamation Projects.—*Riding Mountain Reclamation Project.*—Exploration and reclamation work was begun in 1948 on the northern and eastern slopes of the Riding Mountain region in Manitoba, and in 1949-50 considerable exploratory and reclamation work was conducted in this area. Flood waters flowing down from the mountains at high velocities, carry large volumes of silt, uproot trees and erode creek and river channels. This silt and debris is carried down the various streams and deposited where the stream grades become flatter and velocities of water decrease. Stream channels and drainage ditches become clogged and often, in times of flood, streams overflow their banks and inundate large areas of valuable agricultural land.

Considerable investigational work is being conducted in this area to determine corrective means of minimizing flood hazards. Engineering topographic surveys were completed during the 1949-50 fiscal year and investigation to stabilize stream channels to minimize bank erosion and silting of stream channels was initiated during the year.

Construction work was conducted during the 1949 summer season on two sections of the Riding Mountain Drainage Basin, the Edward's Creek Diversion Drain and the Mink River Drain. This work was undertaken by agreement between the Federal and Manitoba Governments, each government to contribute 50 p.c. of the cost.

Lillooet Valley Reclamation Project.—The Lillooet Valley Reclamation Project has been undertaken upon agreement between the Federal and British Columbia Governments and the Pemberton Valley Dyking District. This project is located in the Lillooet River Valley, B.C., above and below the town of Pemberton and its object is to protect lands now under cultivation and to reclaim additional lands by dyking and drainage.

The land in this area to be reclaimed will ultimately amount to 14,000 acres which will allow farmers in the district to increase their holdings and also permit the settlement of hundreds of additional inhabitants.

Construction work to deepen and straighten the channel leading from Lillooet Lake to Green Lake below the town of Pemberton was completed during the 1949 construction season. In addition, the construction of dykes and drains from Miller Creek to Ryan Creek above the town of Pemberton was completed during the 1949-50 fiscal year. Survey work from Green River to Miller Creek was completed