

Public Works looked after most of the flood protection work carried out in the area. In 1950, however, responsibility for the work was transferred to the federal Department of Agriculture under the Prairie Farm Rehabilitation Administration.

Flood control activities carried out by the PFRA along the Assiniboine have mainly involved construction of dykes and channel improvement work. In addition, however, a considerable amount of survey work has been conducted on both the upper and lower reaches of the river, studying potential storage sites that would provide more effective stream-flow regulation throughout the river system.

*British Columbia Projects.*—The Prairie Farm Rehabilitation Administration has been carrying out irrigation development and land reclamation and providing engineering services in British Columbia since 1944; this work has been undertaken for and in connection with the Veterans' Land Act, the Experimental Farms Service, and at the request of the Province of British Columbia.

Nine irrigation projects have been developed or rehabilitated in the arid central interior of the province. The irrigable land on these projects totals approximately 5,300 acres and provides direct or supplemental living for some 1,400 families engaged mainly in the growing of small fruits and vegetables and in dairying.

Seven of these irrigation projects were constructed for the Veterans' Land Act following the Second World War and benefit approximately 500 veterans. The Johnson Western Canada Ranching Projects, Nos. 1 and 2 (Todd Hill Irrigation District), and the Chase Irrigation Project are located in the South Thompson Valley. The Cawston Benches Project, Westbank Project, Penticton West Bench Project and Bankhead Project are all located in the southern Okanagan Valley and form some of the largest individual developments for veteran settlement in Canada.

The other two developments are located in the Thompson Valley near Kamloops and were constructed in co-operation with the Province of British Columbia. The B.C. Fruitlands Irrigation District includes some 2,000 acres of irrigable land and also some 700 small holdings. This district had been served by a gravity water system from Jamieson Creek for over 40 years which had deteriorated to such an extent that the district could no longer guarantee water to its users. The rehabilitation of this project was undertaken by agreement with the province and the irrigation district concerned, and completed by PFRA in 1958. A pressure irrigation system was also installed by PFRA for the irrigation of 290 acres of the Provincial Sanatorium farm lands at Tranquille.

A major reclamation project was undertaken in the Lillooet Valley upon agreement between the Federal Government, the Government of British Columbia, and the Pemberton Valley Dyking District. This project involved the reclamation of the lower 20 miles of the Lillooet River Valley through dyking, drainage and channel improvement to reclaim some 12,000 acres of agricultural land and to protect an additional 2,000 acres already under cultivation.

Engineering services have been provided by PFRA to the Experimental Farms and to other government agencies as requested. Some of these services have included surveys in the Fraser River Basin for the federal-provincial Fraser River Board, reports on proposed project development and reclamation in British Columbia, and services to the Experimental Farms for the establishment and improvement of farm water supplies and irrigation systems.

*Land Utilization and Resettlement.*—The 1937 amendment to the Prairie Farm Rehabilitation Act broadened its scope to include land utilization and land settlement, opening the way for a program that has had a far reaching effect on the stability of agricultural production in many areas throughout Western Canada. By agreement with the Provinces of Saskatchewan and Manitoba, lands not considered suitable for cereal crop production may be transferred to the Federal Government for development by PFRA into community pastures. The province concerned selects the area to be developed and