

River Protection and Stream Control.—Work was done on the following rivers and creeks: Milk River erosion near Warner; Crowsnest River channel improvement at Blairmore; Pincher Creek channel improvement at Pincher Creek; Old Man River channel improvement near Fort Macleod; Highwood River protection works at High River; Bow River protection work at Canmore; and the Bow River purchase of Lowery Gardens to remove residents from the flood plane at Calgary. Expenditure to Mar. 31, 1955 was \$190,099.

British Columbia.*—About 18 p.c. of the arable land in British Columbia is under cultivation and nearly all the grazing area is being utilized. The 1,200,000 acres developed give a ratio of approximately one acre per person. Within this arable area there exist an estimated 167,300 acres of irrigated land; the total acreage of irrigable land in British Columbia is estimated at 181,974 acres. About two-thirds of the irrigated area is made up of individual projects and the other third is served by the larger irrigation projects listed in Table 5.

* Prepared by A. F. Paget, Comptroller of Water Rights, Department of Lands and Forests, Victoria, B.C.

5.—Major Irrigation Projects in British Columbia, April 1955

Project	Water Supply	Irrigable Area	Irrigated Area	Average Irrigation Charge	Locality
		acres	acres	\$	
Provincial Irrigation System—					
Southern Okanagan Lands Project.....	Okanagan River.....	5,000	4,300	12.50	Okanagan Valley
Municipal Irrigation Systems—					
Penticton.....	Penticton and Ellis Creeks	2,247.07	2,135.75	17.50	Okanagan Valley
Summerland.....	Trout and Eneas Creeks..	3,452	3,407	13.42	"
Irrigation Districts—					
Balfour.....	Laird Creek.....	240	150	..	Kootenay Valley
Bankhead.....	Kelowna and Mission Creeks	85	85	22.00	Okanagan Valley
Barriere.....	Barriere River.....	181.02	91.47	{ "A" 4.00 "B" 2.00	North Thompson Valley
B.C. Fruitlands.....	Jameson and North Thompson Rivers.....	3,734.46	2,181.46	12.60	"
Black Mountain.....	Mission Creek and others..	4,245	4,245	{ "A" 15.00 "B" 13.50 "C" 5.00	Okanagan Valley
Blueberry Creek.....	Blueberry Creek.....	132.5	66	15.00	Columbia Valley
Boundary Line.....	Osoyoos Lake.....	96	96	13.50	Okanagan Valley
Brent Davis.....	Mission Creek.....	480	405	5.85	"
Cawston.....	Similkameen River.....	643	481	14.00	"
Chase.....	Chase Creek.....	639	625	2.50	South Thompson Valley
Covert.....	Fourth of July Creek.....	280	280	{ 18.00 16.30	Near Grand Forks
Darfield.....	Lindquist Creek.....	363	200	..	North Thompson Valley
East Creston.....	Arrow Creek.....	1,561.7	1,377.7	4.02	Kootenay Valley
East Osoyoos.....	Osoyoos Lake.....	329.14	267.16	{ "A" 25.00 "B" 10.00	Okanagan Valley
Ellison.....	Kelowna Creek.....	661.97	948	..	"
Fairview.....	Similkameen River.....	617	597	23.40	Near Princeton
Girouard.....	B. X. (Swan Lake) Creek..	99	45	6.00	Okanagan Valley
Glenmore.....	Kelowna Creek.....	1,851	1,496	13.00	"
Grand Forks.....	Kettle River.....	2,500	2,000	7.05	Kettle Valley
Hefley.....	North Thompson River....	1,648	1,648	6.00	North Thompson Valley