

Erosion.—The soil erosion problems in some areas have long been of considerable concern, with the immediate problem located in the Kleskun Hills near Grande Prairie. Remedial work under way consists of the construction of a system of flumes and drop structures to control gullying.

Industrial Water.—This phase of water development is becoming increasingly important to the progress of the Province. During 1956-57 several large industrial plants received water licences.

British Columbia.*—About 20 p.c. of the arable land in British Columbia is under cultivation and nearly all the grazing area is being utilized. The estimated 1,300,000 acres developed give a ratio of approximately one acre per person. Within this arable area there exists an estimated 210,000 acres of irrigated land, and the total acreage of irrigable land in British Columbia is estimated at 400,000 acres.

About three-quarters of the irrigated area is made up of individual projects and the other quarter is served by the larger irrigation projects listed in Table 5.

* Prepared by the Comptroller of Water Rights, British Columbia Department of Lands and Forests.

5.—Major Irrigation Projects in British Columbia, April 1957

Project	Water Supply	Irrigable Area	Irrigated Area	Charge on Grade "A" Land per Acre	Locality
		acres	acres	\$	
Provincial Irrigation System—					
Southern Okanagan Lands Project.....	Okanagan River.....	5,000	4,200	12.50	Okanagan Valley
Municipal Irrigation Systems—					
Penticton Municipality....	Penticton and Ellis Creeks..	2,100	2,050	20.00	"
Summerland Municipality.	Trout and Eneas Creeks....	3,436	3,365	(av.) 13.39	"
Irrigation Districts—					
Balfour.....	Laird Creek.....	240	150	—	Kootenay Valley
Bankhead.....	Kelowna and Mission Creeks	85	85	22.05	Okanagan Valley
Barriere.....	Barriere River.....	182	92	5.00	North Thompson Valley
B.C. Fruitlands.....	Jameson and North Thompson River.....	3,735	2,062	15.75	"
Black Mountain.....	Mission Creek, etc.....	4,297	3,764	15.00	Okanagan Valley
Black Sage.....	Okanagan River.....	—	169	16.00	"
Blueberry Creek.....	Blueberry Creek.....	133	66	15.00	Columbia Valley
Boundary Line.....	Osoyoos Lake.....	95	95	11.70	Okanagan Valley
Brent Davis.....	Mission Creek.....	490	415	6.00	"
Cawston.....	Similkameen River.....	650	500	—	"
Chase.....	Chase Creek.....	639	625	2.50	South Thompson Valley
Covert.....	4th of July Creek.....	280	280	5.00	Near Grand Forks
Darfield.....	Lindquist Creek.....	363	200	—	North Thompson Valley
East Creston.....	Arrow Creek.....	1,550	1,367	5.00	Kootenay Valley
East Osoyoos.....	Osoyoos Lake.....	329	188	25.00	Okanagan Valley
Ellison.....	Kelowna Creek.....	662	—	8.30	"
Erickson.....	Sullivan Creek.....	—	110	5.00	Kootenay Valley
Fairview Heights.....	Similkameen River.....	631	611	24.25	Near Princeton
Glenmore.....	Kelowna Creek.....	1,926	1,926	13.00	Okanagan Valley
Grand Forks.....	Kettle River.....	2,600	2,400	6.25	Kettle Valley
Heffley.....	North Thompson River.....	1,648	1,648	3.14	North Thompson Valley
Kaleden.....	Marron River and Shatford Creek.....	548	539	22.85	Okanagan Valley
Keremeos.....	Ashnola River, etc.....	1,120	985	12.60	Similkameen Valley
Lakeview.....	Lambly (Bear) Creek.....	1,057	952	11.00	Okanagan Valley
Malcolm Horie.....	Joseph Creek.....	220	150	3.00	Near Cranbrook
Merritt Central.....	Coldwater River.....	125	100	—	Nicola Valley
Naramata.....	Lequime, Naramata and Robinson Creeks.....	981	981	19.51	Okanagan Valley
Okanagan Mission.....	Bellevue Creek and Okanagan Lake.....	446	362	17.00	"