

color to the claimed connection between these two systems. The connection between the Missouri and the Columbia has scarcely affected the distribution of fishes.

The region from Winnipeg to Calgary is very much like any section in the United States from the Mississippi to the Rockies. The slope for the most part is imperceptible and the country is level or slightly rolling. A large part is prairie, the rest is covered with low shrubs. The rivers have usually worn a narrow valley below the general surface, and their banks are nearly always quite abrupt and very muddy. From Calgary the ascent is rapid and the streams become mountain torrents.

On the Pacific slope the streams are all swift, and from Field to the Columbia the descent is very rapid. The Columbia is navigable from Golden up, but below Golden there are many rapids. This river makes a long horseshoe bend towards the north, and when the railway strikes it again at Revelstoke the river is 1,000 feet lower and again navigable.

I received much valuable information and many courtesies from Mr. McQueen, inspector of fisheries for Manitoba; from Mr. W. Hill, of Winnipeg; Mr. Amedée E. Forget, of the Canadian Indian department; Capt. Harper, of the Canadian mounted police, and Mr. G. A. Stewart, superintendent of the Rocky Mountains Park of Canada.

Finally, I must acknowledge my indebtedness to Dr. Albert Günther, of the British Museum, at whose suggestion and expense the explorations were undertaken.

STATIONS WHERE COLLECTIONS WERE MADE.

In the following list I give the names of the places visited by me in their regular succession, the name of the river examined, the system to which it belongs, and, as far as I have been able to determine, the elevation of each locality. All the elevations or Canadian points have been taken from the levels of the Canadian Pacific Railroad Plate 5 illustrates the relation of these stations to each other.

Station.	Elevation.	Stream.	River system.
Canada, Atlantic slope:			
Winnipeg	700	Red River of the North	Manitoba Lake. Red River.
Westbourne	750	White Mud	
Brandon	1,150	Assiniboine	
On'Appelle	1,700	On'Appelle	
Regina	1,875	Laurens Creek	Do.
Moose Jaw	1,725	Moose Jaw	Do.
Chaplin		Old Wives Lake	Saskatchewan.
Swift Current	2,400	Swift Current	
Maple Creek	(1) 3,801	Maple Creek	
Medicine Hat	2,150	Saskatchewan	
Calgary	3,388	How and Elbow	Do.
Banff	4,500	Bow and Vermilion	Do.
Canada, Pacific slope:			
Field	4,050	Kicking Horse	Columbia.
Golden	2,550	Kicking Horse and Columbia	Do.
Revelstoke	1,475	Columbia	Do.
Griffin Lake	1,900	Griffin Lake	Fraser.
Steamons	1,300	Shushwap Lake	Do.
Kamloops	1,158	Thompson River	Do.
Mission	1	Fraser	Do.
United States:			
Umatilla	300	Umatilla Creek and Columbia	Columbia.
La Grande	2,786	Grand Ronde	
Caldwell	2,372	Boise	
Idaho Falls	4,712	Snake River	
Craig	13,458	Missouri	Missouri.
Poplar	11,900	Poplar River	Do.

* About.

† Elevations furnished by Great Northern Railroad through its general manager, Mr. D. L. Mohler.

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