When the Commission became convinced that a basic difficulty in rehabili-When the Commission became convinced that a basic dimetry in reliable to the Fraser sockeye salmon run lay at Hell's Gate Canyon, it not only to the Fraser sockeye salmon run lay at Hell's Gate Canyon, it not only to the Experienced its biological work to bear upon that point but also engaged the experienced fishery engineers available. Milo Bell, the Commission's chief the commission is the commission of engineer, is the only active engineer in either nation who has specialized in fishery consulted history of the control of the control of the assistance of Professor Charles W. Harris, an outstanding hydraulic engineer,

So-called fish-ladders have been in use for many years as a means of enabling to ascend rivers blocked by dams and natural obstructions. The greatest hstallation heretofore made was at the Bonneville Dam on the lower Columbia The fishery devices at the Bonneville are said to have cost approximately justified the expenditure for they have The fishery devices at the Bonneville are said to have cost approximately 1,000,000. Nevertheless, these fully justified the expenditure for they have demonstrated their effectiveness in passing the well known Chinook demonstrated their effectiveness in passing the well known Chinook Revertneless, these factiveness in passing the well known chinden almon up the Columbia. The practical use of fish-ladders is therefore well in the engineering field.

In the engineering field.

Obviate the engineering report submitted herewith (1), the use of fish-ladders obviate the engineering report submitted herewith (1), the use of fish-ladders obviate the engineering report submitted herewith (1), the use of fish-ladders obviate the engineering report submitted herewith (1), the use of fish-ladders obviate the engineering report submitted herewith (1), the use of fish-ladders obviate the engineering report submitted herewith (1), the use of fish-ladders obviate the engineering report submitted herewith (1), the use of fish-ladders obviate the engineering report submitted herewith (1), the use of fish-ladders obviate the engineering report submitted herewith (1), the use of fish-ladders obviate the engineering report submitted herewith (1), the use of fish-ladders obviate the engineering report submitted herewith (1), the use of fish-ladders obviate the engineering report submitted herewith (1), the use of fish-ladders obviate the engineering report submitted herewith (1), the use of fish-ladders obviate the engineering report submitted herewith (1), the use of fish-ladders obviate the engineering report submitted herewith (1), the use of fish-ladders obviate the engineering report submitted herewith (1), the use of fish-ladders obviate the engineering report submitted herewith (1), the use of fish-ladders obviate the engineering report submitted herewith (1), the use of fish-ladders obviate the engineering report submitted herewith (1), the use of fish-ladders obviate the engineering report submitted herewith (1), the use of fish-ladders obviate the engineering report submitted herewith (1), the use of fish-ladders obviate the engineering report submitted herewith (1), the use of fish-ladders obviate the engineering report submitted herewith (1), the use of fish-ladders obviate the engineering report submitted herewith (1), the use of fish-ladders obviate the engineering report submitted herewith (1), the use of fish-ladders obviate the engineering report submitted her In the engineering report submitted herewith (1), the use of hish-lated holding obviate the Hell's Gate Canyon obstruction is presented. But although the salmer salmer salmer together and value, the cost of the proposed fish-ladders at Hell's Gate Canyon, together the estimates of the proposed fish-ladders at Hell's Gate Canyon, together and overcoming other obstructions and Talue, the cost of the proposed fish-ladders at Hell's Gate Canyon, together the estimated cost of investigating and overcoming other obstructions and the cost of investigating and overcoming other obstructions and the cost of investigating and overcoming other obstructions and the cost of the the estimated cost of investigating and overcoming other obstructions and beindental remedial proposals, all together is less than one-third of the cost of work at D work at Bonneville.

The Commission therefore requests a total appropriation of \$2,000,000, one-light from Canada, one-half from the United States, for the purposes above out-Trom Canada, one-half from the United States, for the purposes above the proposed invost. One good year's run restored should produce a catch ten times the entire state invost. One good year's run restored should produce a catch ten times the oposed investment. And under continued and adequate regulation and particular, this enormous food resource should become recurrent year after year in

Respectfully submitted,

International Pacific Salmon Fisheries Commission,

By EDWARD W. A Chairman. By EDWARD W. ALLEN,

A. J. WHITMORE, Secretary.

January 11, 1944.

it (1) Identical copies of the Reports were presented to each Government by the Commission.

of July 21, 1944.