hits a biological report showing the necessity for action, an engineering report showing the necessity for two million dollars with which showing the action required, and a request for two million dollars with which to accomplish the desired result.(1)

Respectfully submitted,

International Pacific Salmon Fisheries Commission, By EDWARD W. ALLEN,
Chairman.

By EDWARD W. ALLEIN,
Chairman.

A. J. WHITMORE, Secretary.

## mission found large sreas apparently suitable valuation cowming

Document No. 2 Recommendation of the International Pacific Salmon Fisheries Commission for overcoming obstructions to the ascent of sockeye salmon, pursuant to the terms of a treaty between Canada and the United States

The International Pacific Salmon Fisheries Commission was created for purpose of a transportational Pacific Salmon Fisheries Commission was created for The International Pacific Salmon Fisheries Commission was created purpose of rehabilitating a Pacific Coast salmon run known as the sockeye of the Prehabilitating a Pacific Coast salmon run known as the sockeye of the Prehabilitating a Pacific Coast salmon run known as the sockeye of the Prehabilitating a Pacific Coast salmon run known as the sockeye of the Prehabilitating a Pacific Coast salmon run known as the sockeye of the Prehabilitating a Pacific Coast salmon run known as the sockeye of the Prehabilitating a Pacific Coast salmon run known as the sockeye of the Prehabilitating a Pacific Coast salmon run known as the sockeye of the Prehabilitating a Pacific Coast salmon run known as the sockeye of the Prehabilitating a Pacific Coast salmon run known as the sockeye of the Prehabilitating a Pacific Coast salmon run known as the sockeye of the Prehabilitating a Pacific Coast salmon run known as the sockeye of the Prehabilitating a Pacific Coast salmon run known as the sockeye of the Prehabilitating a Pacific Coast salmon run known as the sockeye of the Prehabilitating a Pacific Coast salmon run known as the sockeye of the Prehabilitating a Pacific Coast salmon run known as the sockeye of the Prehabilitation run known as the prehabilitation run known run kn almon of the Fraser River. In its largest year this run produced almost a quarter of a billion pounds of finest quality canned salmon which at present prices would the salmon of the Fraser River. In its largest year this run produced almost a quality a billion pounds of finest quality canned salmon which at present prices would the salmon which at present prices would be salmon which are salmon which at present prices which we salmon which are salmon which are salmon which at present prices which we salmon which are salmo have a value of more than forty million dollars. An eighth of that amount is now tonsidered a good pack.

Among causes suggested for this great decline were need for international railroad construction and damage to the runs by blasting of rocks and by rock slides during the construction of the Fraser River, up which the fish solation and damage to the runs by blasting of rocks and by rock sinces to bust ascend to the runs by blasting of rocks and by rock sinces to bust ascend to the runs by blasting of rocks and by rock sinces to bust ascend to the runs by blasting of rocks and by rock sinces to bust ascend to the round solution of the Commission ascend to the round solution as the round solution ascend to the round solution as the r hillst ascend to reach their spawning grounds. The first function of the Commission was to determine the spawning grounds. construction in the narrow gorge of the Fraction of the Commission was to determine what were the actual causes, next to suggest remedies, and selection of the Commission was to determine what were the actual causes, next to suggest remedies, and selection of the Commission was to determine what were the actual causes, next to suggest remedies, and the commission was to determine what were the actual causes, next to suggest remedies, and the commission was to determine what were the actual causes, next to suggest remedies, and the commission was to determine what were the actual causes, next to suggest remedies, and the commission was to determine what were the actual causes, next to suggest remedies, and the commission was to determine what were the actual causes, next to suggest remedies, and the commission was to determine what were the actual causes, next to suggest remedies, and the commission was to determine what were the actual causes, next to suggest remedies, and the commission was to determine what were the actual causes, next to suggest remedies, and the commission was to determine what were the actual causes and the commission was the commission which was the commission which was the commission with the commission was the commission which was the commission which was the commission which was the commission will be commission. after eight years to regulate the catch.

Sockeye salmon normally spawn in late summer or fall in gravel beds in the upper salmon normally spawn in late summer or fall in gravel beds in the upper fraser and spring area, some 90,000 square miles in extent. The eggs hatch in the upper fraser and when four years old return to the very stream in which they were born, the upper fraser and the young usually spend a year in lakes, then go down to sea the upper form to the very stream in which they were born, and when four years old return to the very stream in which they were born, bon the to span old return to the very stream therefore depends when four years old return to the very stream in which they were born, bon the run to spawn and die. The production of each stream therefore depends the run to that and die. The production of each stream therefore depends the run to that and die. pon the run to spawn and die. The production of each stream therefore dependence of the run to that stream four years before. In a big river system like the stream four years before are therefore many separate runs the run to that stream four years before are therefore many separate runs the run to the run to that stream four years before are therefore many separate runs the run to spawn and die. raser with its numerous feeder streams there are therefore many separate runs there is. These many feeder streams there are therefore many separate runs are is. aser with its that stream four years before. In a big the stream four years before. In a big the stream four years before are therefore many separate rundere is much overland occur at different times during a season, though in fact of the stream occur at different times during a season, though in fact of the stream occur at different times during a season, though in fact of the stream occur at different times during a season, though in fact of the stream occur at different times during a season, though in fact occurs of the stream occur at different times during a season, though in fact occurs of the stream occur at different times during a season, though in fact occurs of the stream occur at different times during a season, though in fact occurs of the stream occur at different times during a season, though in fact occurs occur at different times during a season, though in fact occurs occur at different times during a season, though in fact occurs occur at different times during a season, though in fact occurs occur at different times during a season, though in fact occurs occur at different times during a season, though in fact occurs occur at different times during a season, though it is the stream occurs occur at different times during a season, though it is the stream occurs occ there is much overlapping of such runs.

If the salmon had to keep on their way upstream or die and a run lasted when the fish could not was a period of 30 days right at the time of such run the could not was a period of 30 days right at the time of such run the could not was a period of 30 days right at the time of such run the could not was a period of 30 days right at the time of such run the could not was a period of 30 days right at the time of such run the could not was a period of 30 days right at the time of such run the could not was a period of 30 days right at the time of such run the could not was a period of 30 days right at the time of such run the could not was a period of 30 days right at the time of such run the could not was a period of 30 days right at the time of such run the could not was a period of 30 days right at the time of such run the could not was a period of 30 days right at the time of such run the could not was a period of 30 days right at the time of such run the could not was a period of 30 days right at the time of such run the could not was a period of 30 days right at the time of such run the could not was a period of 30 days right at the time of such run the could not was a period of 30 days right at the time of such run the could not was a period of 30 days right at the time of such run the could not was a period of 30 days right at the time of such run the could not was a period of 30 days right at the time of such run the could not was a period of 30 days right at the time of such run the could not was a period of 30 days right at the time of such run the could not was a period of 30 days right at the time of such run the could not was a period of 30 days right at the time of such run the could not was a period of 30 days right at the time of such run the could not was a period of 30 days right at the time of such run the could not was a period of 30 days right at the time of such run the could not was a period of 30 days right at the time of such run the could not was a period of 30 days right at the time of s when the fish could not pass up the river, the conclusion would be natural that the Company of the problem is not that simple. However, the the fish could not pass up the river, the conclusion would be natural that the Commission did for the problem is not that simple. However, the delay and that the delay and the delay and that the delay and that the delay and that the delay and that the delay and delay and the delay and delay the Comwould not pass up the river, the conclusion would not pass up the river, the conclusion would not reproduce itself. The problem is not that simple. However, if the delaysion did find that salmon could only stand a limited delay and that purposes such limit they dropped downstream and were lost for

Purposes.

It was therefore copies of the Reports were presented to each Government by the Commission.

Of July 21. 1944. unnecessary to attach them to the note of the Canadian Chargé