United States Section
International North Pacific Fisheries Commission
April 16, 1963

The attachment 1/ to Circular Letter 193 of the International North Pacific Fisheries Commission, dated April 9, 1962, lists several items of additional information on Alaskan salmon requested from the United States by the Japanese National Section. Certain questions on this request having been clarified at the Ninth Annual Meeting of the Commission, the United States submits the following additional information on Alaskan salmon.

1. Table 1: Magnitude and age composition of red salmon escapements in Bristol Bay rivers for 1959, 1960, and 1961. (In response to item 1 (1) of Mr. Ando's letter.)

2. Table 2: Magnitude and age composition of total red salmon runs in Bristol Bay rivers for 1959, 1960, and 1961. (In response to item 1 (2) of Mr. Ando's letter.)

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1/ Letter from Mr. Y. Ando, Correspondent, Japanese National Section, INPFC, to Mr. R. Jackson, Executive Director, INPFC, dated March 29, 1962.
3. Table 3: Indices of red salmon smolt abundance for four Bristol Bay rivers for 1959, 1960, and 1961. (In response to item 1 (2) of Mr. Ando's letter.)

4. Table 4. Relative abundance of immature red salmon in the vicinity of the Aleutian Islands, 1955 to 1962. (In response to item 1 (4) of Mr. Ando's letter.)

5. Table 5a: Average body lengths of red salmon in Bristol Bay runs (excluding Nushagak District) by sex and age, for 1959, 1960, and 1961; and Table 5b: Average body lengths and weights, by sex and age, of red salmon in INPFC racial study samples from the Bristol Bay escapements for 1959, 1960, and 1961. (In response to item 1 (5) of Mr. Ando's letter.)

6. Table 6a: Catch, escapement and age composition of chum salmon for three Southeastern Alaska streams, 1957 to 1961; and Table 6b: Age composition of Alaska chum salmon by region and statistical area for recent years. (In response to item 2 (1) of Mr. Ando's letter. Returns associated with the escapements shown in Table 6a are not available.)

7. Average body lengths and weights, by sex and age, of chum salmon in INPFC racial study samples from Alaska in recent years. (In response to item 2 (2) of Mr. Ando's letter.)
8. **Table 8a:** Escapement of pink salmon Sashin Creek, Southeastern Alaska; and **Table 8b:** Total estimated escapement of pink salmon to streams of Hollis, Alaska, area. (In response to Item 3(l) of Mr. Ando's letter. Total returns associated with the escapements shown in tables 8a and 8b are not available. Concerning this item of Mr. Ando's letter, pink salmon escapement and return data of the types presented in INPFC Documents 224 and 300 for the major pink salmon producing areas in Alaska are being up-dated and will be furnished at a later date.)
Table 1.—Magnitude and age composition<sup>1</sup> of red salmon escapements in Bristol Bay, Alaska, rivers for 1959, 1960 and 1961.

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<th>River</th>
<th>Year</th>
<th>Total escapement</th>
<th>3&lt;sup&gt;1&lt;/sup&gt;</th>
<th>3&lt;sup&gt;2&lt;/sup&gt;</th>
<th>4&lt;sup&gt;1&lt;/sup&gt;</th>
<th>4&lt;sup&gt;2&lt;/sup&gt;</th>
<th>4&lt;sup&gt;3&lt;/sup&gt;</th>
<th>5&lt;sup&gt;2&lt;/sup&gt;</th>
<th>6&lt;sup&gt;2&lt;/sup&gt;</th>
<th>6&lt;sup&gt;3&lt;/sup&gt;</th>
<th>6&lt;sup&gt;4&lt;/sup&gt;</th>
<th>Total</th>
<th>Sample size</th>
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1/ Percentage age composition data weighted by tower counts and sex ratio of sample, except as noted.
2/ Tributary of the Kvichak River.
4/ Non-weighted data.
5/ Data weighted by tower counts only.
6/ Age composition determined from Wood River samples.
7/ Age composition determined from Wood and Igushik River samples.
Table 2.—Magnitude and age composition of total red salmon runs in  

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1/ Naknek and Kvichak escapement only.
2/ Preliminary figure.
3/ Escapement only.

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1/ 1958 index taken as base, equal to 100.

2/ 1952 index taken as base, equal to 100.
Table 4.--Relative abundance of immature red-salmon in the vicinity of the Aleutian Islands during July-August, 1955 to 1962.

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1/ South of Adak Island
Table 5a.--Average body lengths of red salmon in Bristol Bay, Alaska, runs (excluding Nushagak District) by sex and age, for 1959, 1960, and 1961.

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Table 5a.--Average body lengths 1/ of red salmon in Bristol Bay, Alaska, runs (excluding Nushagak District) by sex and age, for 1959, 1960, 1961. (continued)

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Table 5a.--Average body lengths \( \frac{1}{2} \) of red salmon in Bristol Bay, Alaska, runs (excluding Nushagak District) by sex and age, for 1959, 1960, 1961. (Continued)

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1/ Mideye to fork of tail in millimeters.

2/ No samples taken in 1959.
Table 5b.—Average body lengths and body weights, by sex and age group, of red salmon in INPFC race study samples from Bristol Bay, Alaska, escapements for 1959, 1960, and 1961.

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### Table 5b.—Average body lengths and body weights, by sex and age group, of red salmon in INPFC r
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Table 5b.--Average body lengths $^1$ and body weights $^2$, by sex and age group, of red salmon in INPFC racial study samples from Bristol Bay, Alaska, escapements for 1959, 1960, and 1961. (Continued

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$^1$ Mideye to fork of tail in millimeters

$^2$ In dekagrams
Table 6a.--Catching, escapement and age-composition of chum salmon for three Southeastern Alaska streams, 1957 to 1961

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<th>Age composition (in percent)</th>
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1/ These are commercial catches for statistical area 161 where Chilkat River salmon comprise 90 percent of the production.

2/ Estimate includes 3,000 native personal use fish.

3/ Estimate includes 2,000 native personal use fish.
Table 6b.—Age composition of Alaska chum salmon by region and statistical area for recent years. (Samples taken from commercial catches.)

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<th>Percentage age composition</th>
<th>Number in sample</th>
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Table 6b.--Age composition of Alaska chum salmon by region and statistical area for recent years. (Samples taken from commercial catches.) (Continued)

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Table 6b.--Age composition of Alaska chum salmon by region and statistical area for recent years. (Samples taken from commercial catches)(Continued)

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Table 7.--Average body lengths and body weights, by sex and age group, of chum salmon in INPFRC racial study samples from Alaska in recent years. (Cont.)

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The following samples from Southeastern Alaska were taken for purposes other than racial studies. In several cases, sample sizes and average weights are missing:

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Table 7.--Average body lengths and body weights, by sex and age group, of chum salmon in INPFC racial study samples from Alaska in recent years. (Cont.)

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Table 7.—Average body lengths and body weights, by sex and age group, of chum salmon in TNPFC racial study samples from Alaska in recent years. (Cont.

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Table 7. Average body lengths and body weights, by sex and age group, of chum salmon in INPFC racial study samples from Alaska in recent years. (Cont.)

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Table 7.—Average body lengths and body weights, by sex and age group, or chum salmon in INPFC racial study samples from Alaska in recent years. (Cont.)

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Table 7.--Average body lengths and body weights, by sex and age group, of chum salmon in INPFC racial study samples from Alaska in recent years. (Cont.)

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1/ From Fisheries Research Institute, University of Washington, Seattle, Washington.
Table 9.—Average body lengths and weights, by sex, of pink salmon in INPFC racial study samples from Alaska in recent years.

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Table 9.—Average body lengths and weights, by sex, of pink salmon in INPFC racial study samples from Alaska in recent years.

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Table 9.--Average body lengths and weights, by sex, of pink salmon in INPFC racial study samples from Alaska in recent years. (Continued)

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