PROPOSED CRUISE PLANS OF JAPANESE RESEARCH VESSELS FOR
SALMON AND MARINE MAMMALS IN THE NORTH PACIFIC OCEAN, 1991

Fisheries Agency of Japan

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Ten Japanese salmon research vessels are scheduled to conduct the following research in the western north Pacific, Bering Sea and Gulf of Alaska in 1991. As to the research in the U.S. 200 miles zone, Japan had to give up the research in this area since 1990 because the U.S. Government did not permit that research despite the recommendation made by the Salmon sub-committee. Therefore, all gillnet research in the U.S. 200 miles zone was excluded in 1991 from the planning stage except the cruise plan for the Oshoro maru.

The Hokusin maru, Kaiun maru and Iwaki maru will conduct research with gillnets from early June to mid-July in the area west of 177°W. The Hokuho maru will conduct research with gillnets and longlines from early June to mid-July in the area between 165°E and 180° and south of 47°N, and the Etsuzan maru will conduct research with longlines during the same period in the area between 161°E and 176°E and south of 47°N. The Shin riasu maru will conduct a fishing survey using gillnet and longline gear and a study of salmon behaviour using ultrasonic tags in the northwestern Pacific and the Bering Sea. The Hokko maru will conduct research with gillnet and longline gear as a part of the Japan-U.S.S.R. cooperative surveys from late June to mid-July in the area between 49° and 51°N. The Wakatake maru will conduct research with gillnets, longlines, small midwater trawls and squid jigging from early May to mid-July along the longitudinal line of 180° in the area between 38° and 59°N.

The Oshoro maru will conduct oceanographic observations and research with gillnet and longline gear along the longitudinal line of 180°, and conduct research with gillnets in the eastern Bering Sea. After anchoring at Dutch Harbour, the Oshoro maru will conduct oceanographic observations and research with gillnet and longline gear in the northern part of the Gulf of Alaska, and will anchor at Kodiak. Then, the vessel will conduct research with trawl gear in the eastern area of the Chukchi Sea and after that the vessel will return to Hakodate. The Hokusai maru will conduct three cruises for oceanographic observations and research with gillnets as in the past.

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Figure 8. 1st, 2nd and 3rd cruises of Hokusei maru

June 1 (Hakodate) - June 15 (Hakodate)
June 20 (Hakodate) - July 4 (Hakodate)
July 10 (Hakodate) - Aug. 10 (Hakodate)

○: Stations of oceanographical observation
●: Stations of gillnet operation and oceanographical observation
Figure 7. Cruise of Oshoro maru

June 3 (Hakodate) - Aug. 18 (Hakodate)

- : Oceanographical observation
○ : Oceanographical observation & gillnet research
+: Recovery & setting of sediment trap & oceanographical observation
\ : Longline research
■■: Trawling net research area
Figure 6. Cruise of Wakatake maru

June 4 (Hakodate) - July 26 (Hakodate)

- Stations of gillnet, longline, small trawl and jigging operation
- Stations of longline, small trawl and jigging operation
Figure 5. Cruise of Hoko maru

June 23 (Kushiro) - July 23 (Kushiro)

◎: Stations of gillnet & longline operation
Figure 4. Cruise of Shin Riasu maru

June 9 (Miyako) – July 23 (Kushiro)

⊙: Stations of gillnet & longline operation
□: Area for salmon tracking survey
Figure 3. Cruise of Estuzan maru

June 1 (Misaki) - July 15 (Kushiro)

○: Stations of longline operation
Figure 2. Cruise of Hokuho maru

June 6 (Kushiro) - July 20 (Kushiro)

○: Stations of gillnet & longline operation
Figure 1. Cruises of Hokushin maru, Iwaki maru, and Kaiun maru

Line A: Hokushin maru  June 1 (Kushiro) - June 30 (Kushiro)
Line B: Iwaki maru  June 1 (Onahama) - July 10 (Kushiro)
Line C: Kaiun maru  June 2 (Hachinohe) - July 11 (Kushiro)

● Stations of gillnet operation
■ Stations of gillnet duplicate operation
Summary table


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<td>Hakodate - Hakodate</td>
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</tbody>
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U.S. port call : Oshoro maru : Dutch Harbor (June 26-29)
Kodiak       (July 16-20)