

NPAFC
Doc. 1557
Rev. —

**Proposed Cruise Plans of Japanese Research Vessels for Salmon in the North
Pacific Ocean in 2015**

by

Shigehiko Urawa, Shunpei Sato, and Toru Nagasawa

Hokkaido National Fisheries Research Institute, Fisheries Research Agency
2-2 Nakanoshima, Toyohira-ku, Sapporo 062-0922, Japan

Submitted to the

NORTH PACIFIC ANADROMOUS FISH COMMISSION

by

JAPAN

March 2015

THIS PAPER MAY BE CITED IN THE FOLLOWING MANNER:

Urawa, S., S. Sato, and T. Nagasawa. 2015. Proposed cruise plans of Japanese research vessels for salmon in the North Pacific Ocean in 2015. NPAFC Doc. 1557. 4 pp. Hokkaido National Fisheries Research Institute, Fisheries Research Agency. (Available at www.npafc.org)

Proposed Cruise Plans of Japanese Research Vessels for Salmon in the North Pacific Ocean in 2015

Shigehiko Urawa, Shunpei Sato, and Toru Nagasawa

Hokkaido National Fisheries Research Institute, Fisheries Research Agency (FRA)

2-2 Nakanoshima, Toyohira-ku, Sapporo 062-0922, Japan

Abstract: Two Japanese research vessels are scheduled to conduct high-seas salmon surveys. The FRA research vessel *Hokko maru* will carry out a summer monitoring survey for salmon and their habitat in the central Bering Sea. The Hokkaido University research vessel *Oshoro maru* will accomplish a salmon research in the western North Pacific Ocean in the middle May of 2015.

Keywords: Japanese cruise plan, high-seas salmon, monitoring survey, Bering Sea, western North Pacific Ocean, 2015

According to the national research plan (Doc. 1311), two Japanese research vessels are scheduled to conduct scientific salmon research in the North Pacific Ocean and Bering Sea in 2015 (Table 1).

- (1) The *Hokko maru* will carry out salmon research with a surface/midwater trawl and hook-and-line to obtain information on the distribution, abundance, and other biological characteristic of Pacific salmon in the Bering Sea from late July to early August (Fig. 1).
- (2) The *Oshoro maru* will carry out salmon research with gillnets, longline, and hook-and-line to obtain biological data on the distribution and ecology of salmon and other pelagic fishes in the western North Pacific Ocean in May (Fig. 2). In case of gillnet operation, gillnets less than 2.5 km in length at sea will be used.

Table 1. Proposed cruise plan of Japanese research vessels for salmon in the North Pacific in 2015

Vessel	Period	Survey area	Research objects	Gear equipped
<i>Hokko maru</i>	July 24 - August 16	Bering Sea	Salmon abundance and distribution	Surface/midwater trawl, hook-and-line
<i>Oshoro maru</i>	May 8 - May 19	Western North Pacific Ocean	Fish community	Gillnets, longline, hook-and-line, jigging

Reference

Fisheries Agency of Japan. 2011. Japanese salmon research under the NPAFC Science Plan 2011-2015. NPAFC Doc. 1311. 3 pp. (Available at www.npafc.org).

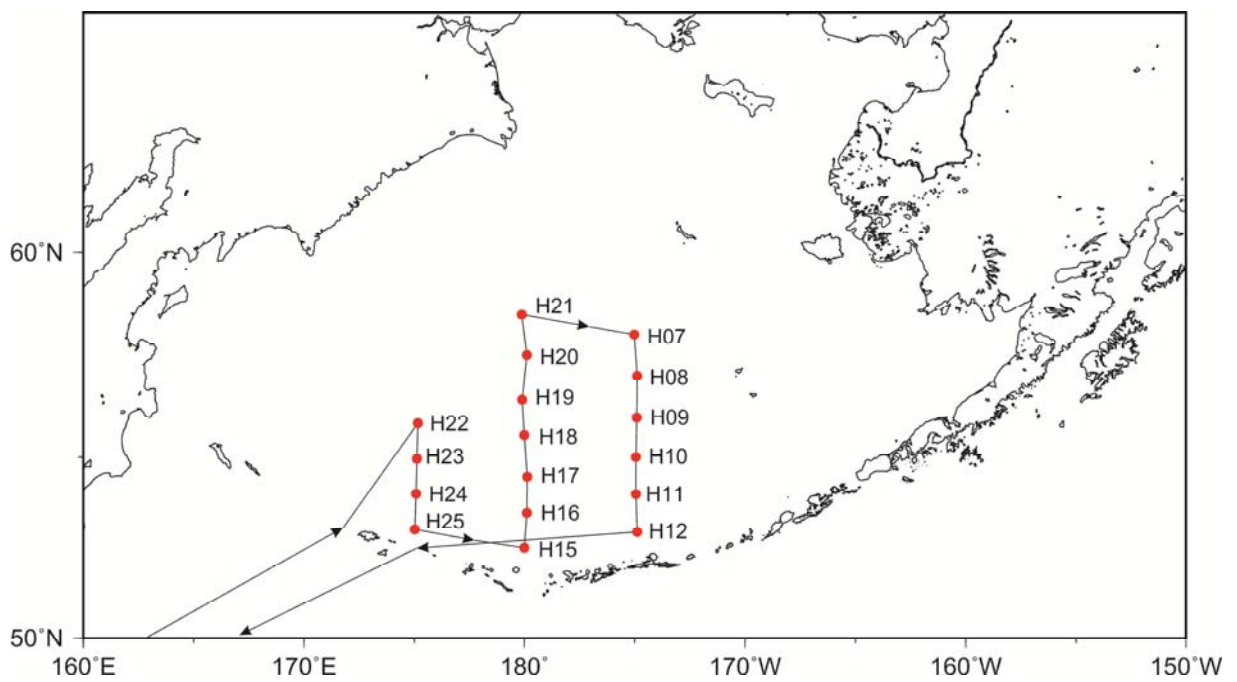


Fig. 1. A map showing 17 sampling stations in the Bering Sea by the R/V *Hokko maru*, July 24 (Kushiro) – August 16 (Kushiro), 2015.

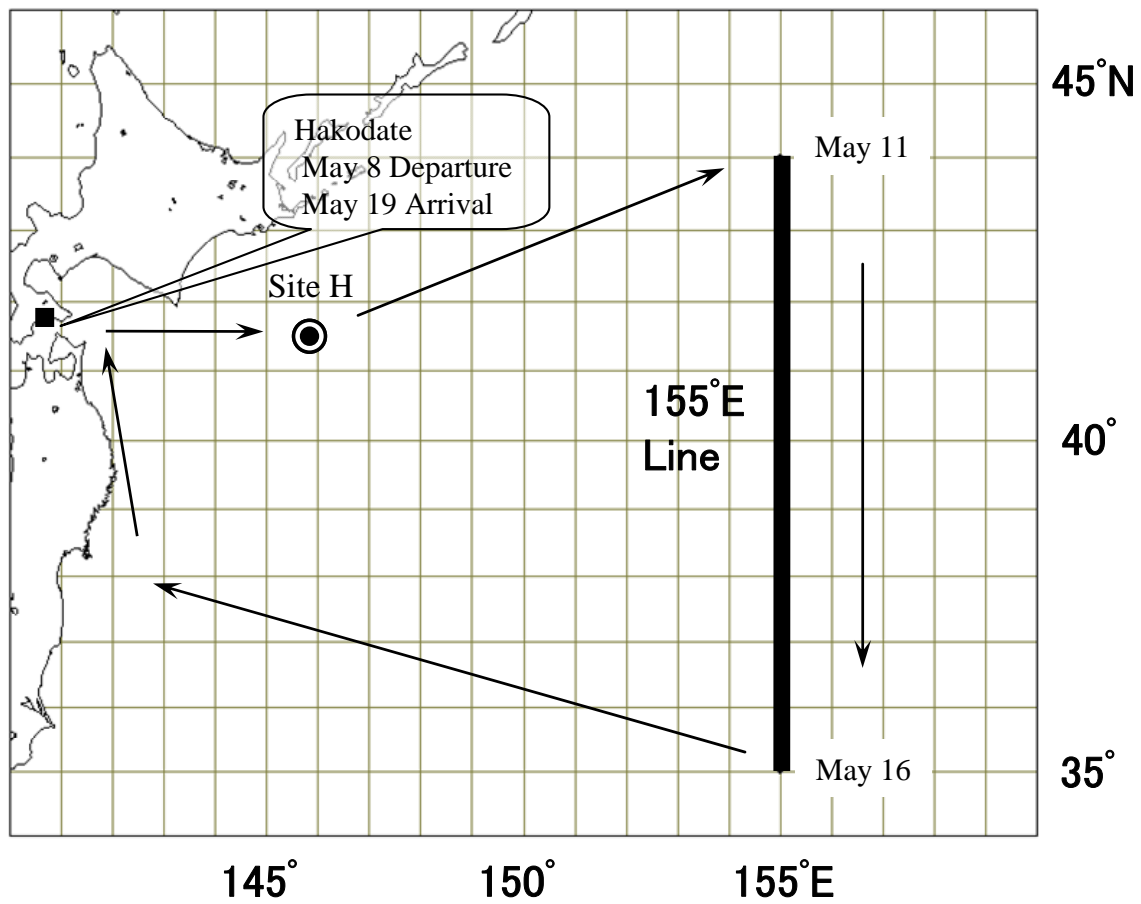


Fig. 2. Research area of the R/V *Oshoro maru* in the western North Pacific Ocean, May 8 (Hakodate) – May 19 (Hakodate), 2015.

Appendix Table. List of Japanese research vessels scheduled for high-seas salmon surveys in 2015.

Party	Vessel's name	Call sign	Gear equipped	Other available information
Hokkaido National Fisheries Research Institute, FRA	<i>Hokko maru</i>	JEBB	Trawl, hook-and-line	INMARSAT telephone: +872-7634-443-93, Length: 64.73 m, Gross tonnage: 902
Hokkaido University	<i>Oshoro maru</i>	7JRM	Gillnet, longline, hook-and-line	VSAT telephone: 0345406625, Length: 78.27 m, Gross tonnage: 1,998