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**Proposed Cruise Plans of Japanese Research Vessels for
Salmon in the North Pacific Ocean in 2011**

by

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Three Japanese salmon research vessels have been tentatively scheduled to conduct the following scientific research in the North Pacific and Bering Sea in 2011 (Table 1). In case of gillnet operation, gillnets less than 2.5 km in length at sea will be used.

(1) The *Hokko maru* will conduct research with a surface/midwater trawl and hook-and-line to obtain information on the distribution, abundance and some biological characteristic of summering salmon in the Bering Sea from late July to early August (Fig. 1).

(2) The *Oshoro maru* will conduct research with gillnets, longline, and hook-and-line to obtain data on the distribution and ecology of salmon and other pelagic fishes in the western North Pacific in May and from late July to early August (Figs. 2 and 3).

(3) The *Kaiun maru* will conduct research with gillnets to obtain data on the distribution and ecology of neon flying squid, salmon and other pelagic fishes in the western and central North Pacific from late June to early August (Fig. 4).

Table 1. Proposed cruise plan of Japanese research vessels for salmon in the North Pacific in 2011

Vessel	Period	Survey area	Research objects	Gear equipped
<i>Hokko maru</i>	July 20 - August 10	Bering Sea	Salmon abundance, and distribution	Surface/midwater trawl, hook-and-line
<i>Oshoro maru</i>	May 12 - May 24	Western North Pacific	Fish community	Gillnets, longline, hook-and-line, squid jigging
	July 22 - August 6	Western North Pacific	Fish community	Gillnets, longline, hook-and-line, jigging, trawl
<i>Kaiun maru</i>	June 25 - August 3	Central and western North Pacific	Stock assessment of neon flying squid	Gillnets

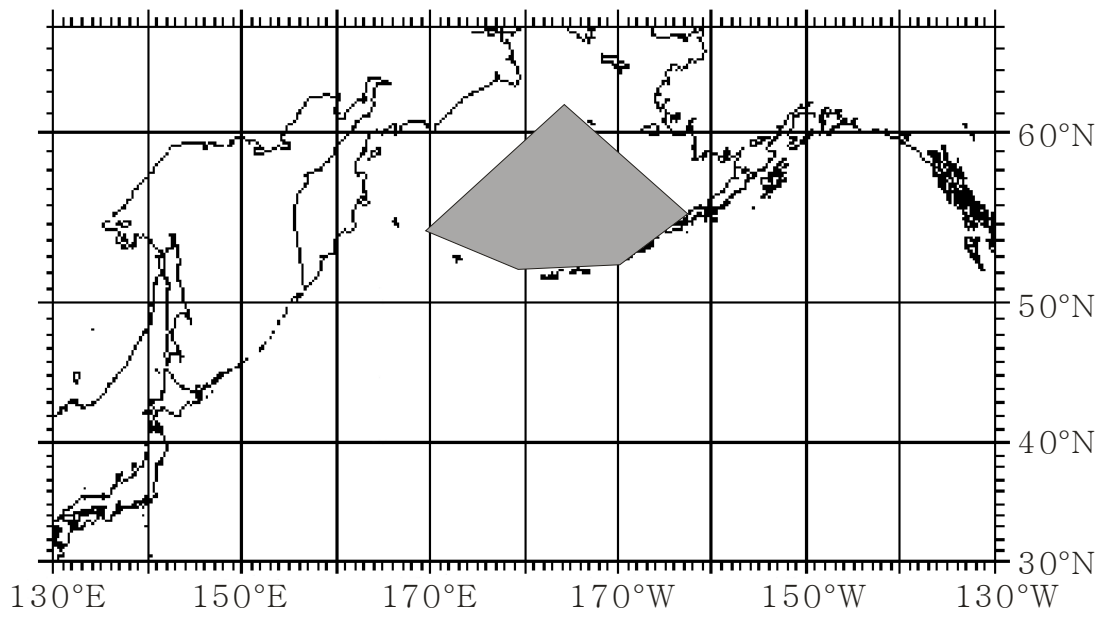


Fig. 1. Research area of the *Hokko maru* in the Bering Sea, July 20 (Kushiro) – August 10 (Kushiro).

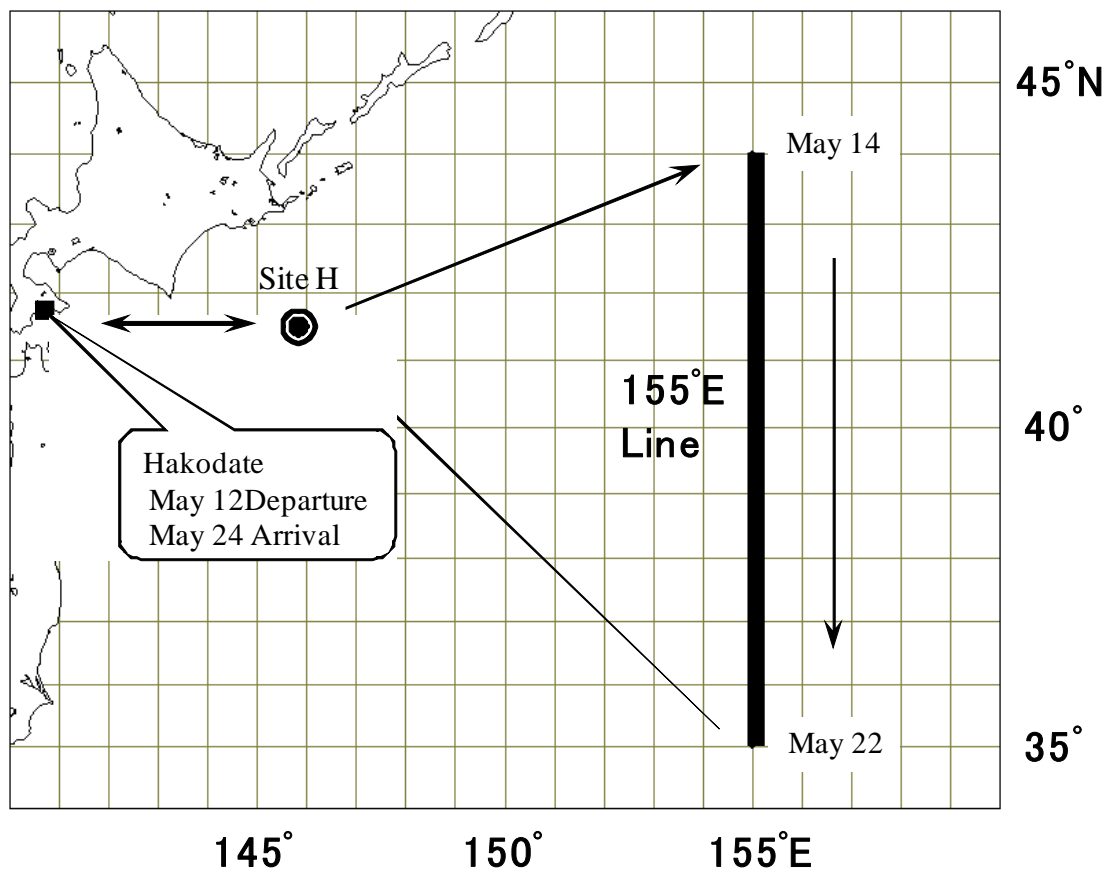


Fig. 2. Research area of the *Oshoro maru* in the western North Pacific, May 12 (Hakodate) – May 24 (Hakodate).

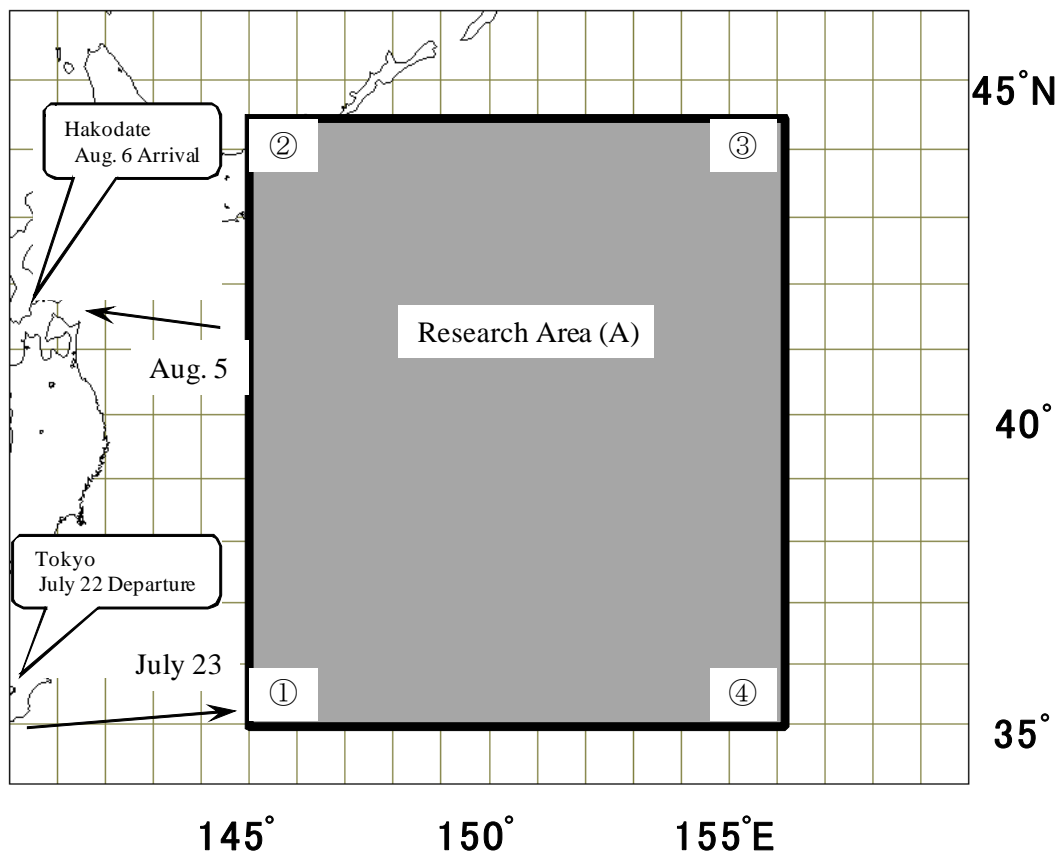


Fig. 3. Research area of the *Oshoro maru* in the western North Pacific (excluding Russian 200 NMZ), July 22 (Tokyo) – August 6 (Hakodate).

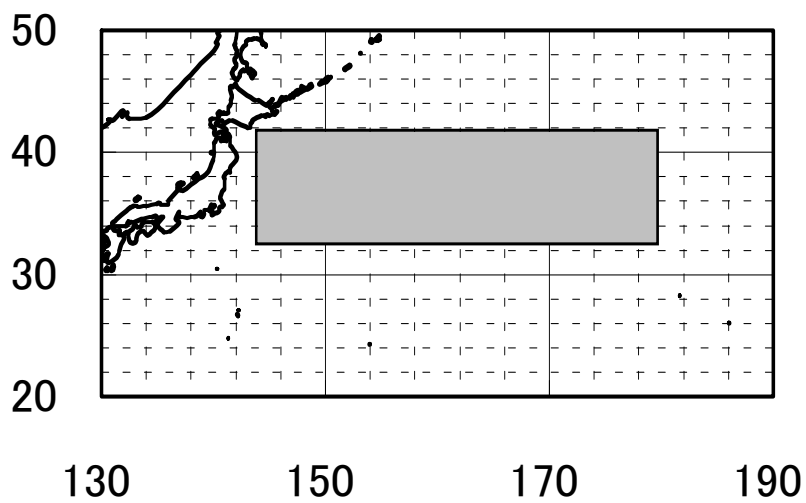


Fig. 4. Survey area of the *Kaiun maru* research cruise (excluding Russian 200NMZ). June 25 (Hachinohe) – August 3 (Hachinohe).

Appendix Table 2. List of Salmon Research Vessels Scheduled for 2011 by Japanese Party

Party	Vessel's name	Call sign	Gear equipped	Other available information
FRA Kushiro	Hokko maru	JEBB	Trawl, hook-and-line	INMARSAT telephone: +872-7634-443-93, Length: 64.73 m, Gross tonnage: 902
Hokkaido University	Oshoro maru	JDVA	Gillnet, longline, hook-and-line	INMARSAT telephone: +872-3431-025-10, Length: 72.85 m, Gross tonnage: 1,779
FRA Shimizu	Kaiun maru	JRFC	Gillnet	INMARSAT telephone: +872-6431-610-10, Length: 45.50 m, Gross tonnage: 208