

NPAFC
Doc. 1810
Rev.

**Cruise Plans of Japanese Research Vessels
Involving Incidental Takes of Anadromous Fish
in the North Pacific Ocean in 2019**

by

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Submitted to the

NORTH PACIFIC ANADROMOUS FISH COMMISSION

by

Japan

March 2019

THIS PAPER MAY BE CITED IN THE FOLLOWING MANNER:

Japan Fisheries Research and Education Agency. 2019. Cruise plans of Japanese research vessels involving incidental takes of anadromous fishes in the North Pacific Ocean in 2019. NPAFC Doc. 1810. 3 pp. Japan Fisheries Research and Education Agency (Available at <https://npafc.org>).

Cruise Plans of Japanese Research Vessels Involving Incidental Takes of Anadromous Fish in the North Pacific Ocean in 2019

Abstract: Japanese research vessels (Appendix table) are scheduled to conduct eight surveys for pelagic fishes and squids in the North Pacific Ocean in 2019 (Table 1). These surveys have a possibility of incidental salmon catch during the fishing operations with driftnets or trawl net. In the case of driftnet operation, the length of driftnets will be less than 2.5 km at the sea.

Key words: Japanese research cruise plan, pelagic fish, squid, incidental salmon catch, North Pacific Ocean, 2019

Table 1. Cruise plans of Japanese research vessels involving incidental catches of anadromous fishes in the North Pacific Ocean in 2019.

Vessel	Cruise period	Survey area	Research objects	Gear
<i>Hokushin maru</i>	May 13(Kushiro) – May 20(Kushiro)	Western North Pacific (38° - 43°N, 142° - 148°E) excluding Russian 200 NMZ	Abundance of chub mackerel, blue mackerel, Japanese sardine, and Japanese anchovy	Surface trawl
<i>Hokushin maru</i>	June 19 (Kushiro) – June 28 (Kushiro)	Western North Pacific (38° - 43°N, 142° - 148°E) excluding Russian 200 NMZ	Abundance of chub mackerel, blue mackerel, Japanese sardine, and Japanese anchovy	Driftnets
<i>Hokushin maru</i>	August 28 (Kushiro) – Spetember 6 (Kushiro)	Western North Pacific (38° - 43°N, 142° - 148°E) excluding Russian 200 NMZ	Abundance of chub mackerel, blue mackerel, Japanese sardine, and Japanese anchovy	Driftnets
<i>Hokushin maru</i>	October 16 (Kushiro) – October 28 (Kushiro)	Western North Pacific (38° - 43°N, 142° - 148°E) excluding Russian 200 NMZ	Abundance of Pacific saury	Surface trawl
<i>Hokuho maru</i>	June 4 (Hakodate) – July 21(Hakodate)	Central and western North Pacific (30° - 50°N, 140°E - 160°W) excluding Russian 200 NMZ	Abundance of Pacific saury	Surface trawl
<i>Hokko maru</i>	June 14 (Kushiro) – July 11 (Kushiro)	Western North Pacific (36° - 47°N, 142° - 165°E) excluding Russian 200 NMZ	Abundance of Pacific saury	Surface trawl
<i>Kaiun maru</i>	June 21 (Hachinohe) - August 1 (Hachinohe)	Central and western North Pacific (30° - 46°N, 144°E - 176°E) excluding Russian 200 NMZ	Stock assessment of neon flying squid	Driftnets
<i>Hokuho maru</i>	Sep. 8 (Hakodate) – Oct.7 (Hakodate)	Western North Pacific (36° - 50°N, 140° - 175°E) excluding Russian 200 NMZ	Abundance of small pelagic fishes	Mid-water trawl

Appendix Table. List of research vessels scheduled for pelagic fish and squid surveys involving incidental catches of anadromous fishes in the North Pacific Ocean by Japanese Party. FRA, Japan Fisheries Research and Education Agency; HNFRI, Hokkaido National Fisheries Research Institute; HRO, Hokkaido Research Organization; NRIFS, National Research Institute of Fisheries Science; TNFRI, Tohoku National Fisheries Research Institute; AITC, Aomori Prefectural Industrial Technology Research Center.

Party	Vessel name	Call sign	Gears equipped	Other available information
HRO Kushiro Fish. Res. Inst.	<i>Hokushin maru</i>	7JSX	Driftnets & Surface trawl	INMARSAT telephone: +870-773193232 Length: 43.71 m, Gross tonnage: 255
FRA Kushiro (HNFRI)	<i>Hokko maru</i>	JEEB	Surface trawl	INMARSAT telephone: +872-763444393 Length: 64.73 m, Gross tonnage: 902
AITC Fish. Res. Inst.	<i>Kaiun maru</i>	7JVI	Driftnets	INMARSAT telephone: +870-773193323 Length: 44.53 m, Gross tonnage: 199
FRA Hachinohe (TNFRI) FRA Yokohama (NRIFS)	<i>Hokuho maru</i>	JLRE	Surface & mid-water trawl	INMARSAT telephone: +870-773193218 Length: 63.60 m, Gross tonnage: 664