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**Cruise Plans of Japanese Research Vessels Involving Incidental Takes of
Anadromous Fish in the North Pacific Ocean in 2020**

by

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Cruise Plans of Japanese Research Vessels Involving Incidental Takes of Anadromous Fish in the North Pacific Ocean in 2020

Abstract: Japanese research vessels (Appendix table) are scheduled to conduct seven surveys for pelagic fishes and squids in the North Pacific Ocean in 2020 (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.

Keywords: Japanese research cruise plan, pelagic fish, squid, incidental salmon catch, North Pacific Ocean, 2020

Table 1. Cruise plans of Japanese research vessels involving incidental catches of anadromous fishes in the North Pacific Ocean in 2020.

Vessel	Cruise period	Survey area	Research objects	Gear
<i>Hokushin maru</i>	May 12 (Kushiro) – May 18 (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 17 (Kushiro) – June 26 (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>	September 1 (Kushiro) – September 10 (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>Kaiun maru</i>	June 23 (Hachinohe) – August 2 (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>	September 10 (Hakodate) – October 10 (Hakodate)	Western North Pacific (36°–50°N, 140°–175°E) excluding Russian 200 NMZ	Abundance of small pelagic fishes	Mid-water trawl
<i>No.6 Kaiyo maru</i>	June 29 (Shiogama) – July 24 (Kushiro)	Western North Pacific (34°–44°N, 140°–160°E) excluding Russian 200 NMZ	Abundance of Japanese Common Squid and Pacific saury	Surface 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; HRO, Hokkaido Research Organization; AITC, Aomori Prefectural Industrial Technology Research Center; NRIFS, National Research Institute of Fisheries Science.

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
AITC Fish. Res. Inst.	<i>Kaiun maru</i>	7JVI	Driftnets	INMARSAT telephone: +870-773193323 Length: 44.53 m Gross tonnage: 199
FRA Yokohama (NRIFS)	<i>Hokuho maru</i>	JLRE	Mid-water trawl	INMARSAT telephone: +870-773193218 Length: 63.60 m Gross tonnage: 664
FRA Yokohama (NRIFS)	<i>No.6 Kaiyo maru</i>	JQIQ	Surface trawl	INMARSAT telephone: +870-773940718 Length: 48.90 m Gross tonnage: 443