

NPAFC
Doc. 1819
Rev.

**Incidental Catches of Anadromous Fishes by Japanese Research Vessels
in the North Pacific Ocean in 2018**

by

Shunpei Sato, Kengo Suzuki, and Shigehiko Urawa

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

Submitted to the

NORTH PACIFIC ANADROMOUS FISH COMMISSION

by

Japan

March 2019

THIS PAPER MAY BE CITED IN THE FOLLOWING MANNER:

Sato, S., K. Suzuki, and S. Urawa. 2019. Incidental catches of anadromous fishes by Japanese research vessels in the North Pacific Ocean in 2018. NPAFC Doc. 1819. 2 pp. Hokkaido National Fisheries Research Institute, Japan Fisheries Research and Education Agency (Available at <https://npafc.org>).

Incidental Catches of Anadromous Fishes by Japanese Research Vessels in the North Pacific Ocean in 2018

Shunpei Sato, Kengo Suzuki, and Shigehiko Urawa

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

Keywords: Japanese research vessels, pelagic fish, squid, incidental salmon catch, North Pacific Ocean, 2018

Japanese research vessels conducted scientific fishing operations to assess the stock status of Pacific saury, and other pelagic fishes and squids using surface and midwater trawls, and drift gillnets in the western and central North Pacific Ocean (Japan Fisheries Research and Education Agency 2018). A total of 378 salmon including 181 chum, 151 pink, one sockeye, 40 coho, four Chinook salmon, and one steelhead trout was incidentally caught during the research surveys between June and September 2018 (Table 1).

Reference

Japan Fisheries Research and Education Agency. 2018. Cruise plans of Japanese research vessels involving incidental takes of anadromous fishes in the North Pacific Ocean in 2018. NPAFC Doc. 1742. 3 pp. Japan Fisheries Research and Education Agency, Yokohama, Japan (Available at <https://npafc.org>).

Table 1. Number of incidental catches of anadromous fish during research surveys for pelagic fishes and squids onboard Japanese research vessels in the North Pacific Ocean in 2018.

Vessel	Cruise period	Survey area	Research objects	Gear	Sampling period	Number of catches						
						Chum	Pink	Sockeye	Coho	Chinook	Steelhead	Total
<i>Hokushin maru</i>	May 14 (Kushiro) – May 17 (Kushiro)	Western North Pacific (38° - 50°N, 142° - 165°E) excluding Russian 200 NMZ	Abundance of chub mackerel, blue mackerel, Japanese sardine, and Japanese anchovy	Surface trawl	May 15 - May 16	0	0	0	0	0	0	0
<i>Hokushin maru</i>	June 22 (Kushiro) – June 28 (Kushiro)	Western North Pacific (38° - 50°N, 142° - 165°E) excluding Russian 200 NMZ	Abundance of chub mackerel, blue mackerel, Japanese sardine, and Japanese anchovy	Driftnets	June 22 - June 27	0	0	0	0	0	0	0
<i>Hokushin maru</i>	July 6 (Kushiro) – July 15 (Kushiro)	Western North Pacific (38° - 50°N, 142° - 165°E) excluding Russian 200 NMZ	Abundance of Pacific saury	Surface trawl	July 9 - July 14	3	21	0	0	0	0	24
<i>Hokushin maru</i>	August 28 (Kushiro) – September 3 (Kushiro)	Western North Pacific (38° - 50°N, 142° - 165°E) excluding Russian 200 NMZ	Abundance of chub mackerel, blue mackerel, Japanese sardine, and Japanese anchovy	Driftnets	August 29 - September 3	1	0	0	0	0	0	1
<i>Hokushin maru</i>	October 16 (Kushiro) – October 22 (Kushiro)	Western North Pacific (38° - 50°N, 142° - 165°E) excluding Russian 200 NMZ	Abundance of Pacific saury	Surface trawl	October 16 - October 22	0	0	0	0	0	0	0
<i>Hokuho maru</i>	June 6 (Hakodate) – July 23 (Hakodate)	Central and western North Pacific (30° - 50°N, 140°E - 160°W) excluding Russian 200 NMZ	Abundance of Pacific saury	Surface trawl	June 10 - July 11	121	21	1	6	4	1	154
<i>Hokko maru</i>	June 17 (Kushiro) – July 13 (Kushiro)	Western North Pacific (36° - 47°N, 142° - 165°E) excluding Russian 200 NMZ	Abundance of Pacific saury	Surface trawl	June 17 - July 9	35	82	0	0	0	0	117
<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	July 5 - August 10	11	27	0	34	0	0	72
<i>Hokuho maru</i>	Sep. 8 (Hakodate) – Oct.9 (Hakodate)	Western North Pacific (36° - 50°N, 140° - 175°E) excluding Russian 200 NMZ	Abundance of small pelagic fishes	Mid-water trawl	September 16 - September 30	10	0	0	0	0	0	10
Total						181	151	1	40	4	1	378