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Proposed Cruise Plans of Japanese Research Vessels
for Salmon in the North Pacific Ocean
in 1998/99 fiscal year

by

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by

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THIS PAPER MAY BE CITED IN THE FOLLOWING MANNER:

Fisheries Agency of Japan. 1997. Proposed cruise plans of Japanese research vessels for salmon in the North Pacific Ocean in 1998/99 fiscal year. (NPAFC Doc. 273, Rev.1). Fisheries Agency of Japan, Tokyo 100, Japan. 6 p.

Four Japanese salmon research vessels are tentatively scheduled to conduct the following scientific research in the western North Pacific, Bering Sea, and Gulf of Alaska in 1998/99 fiscal year (Table 1). In case of gillnet operation, gillnets less than 2.5km in length at sea will be used.

(1) The *Hokko maru* will conduct research with gillnets and to obtain information on the distribution and stock abundance of Asian salmon at the stations along 165° E longitude in July (Fig. 1).

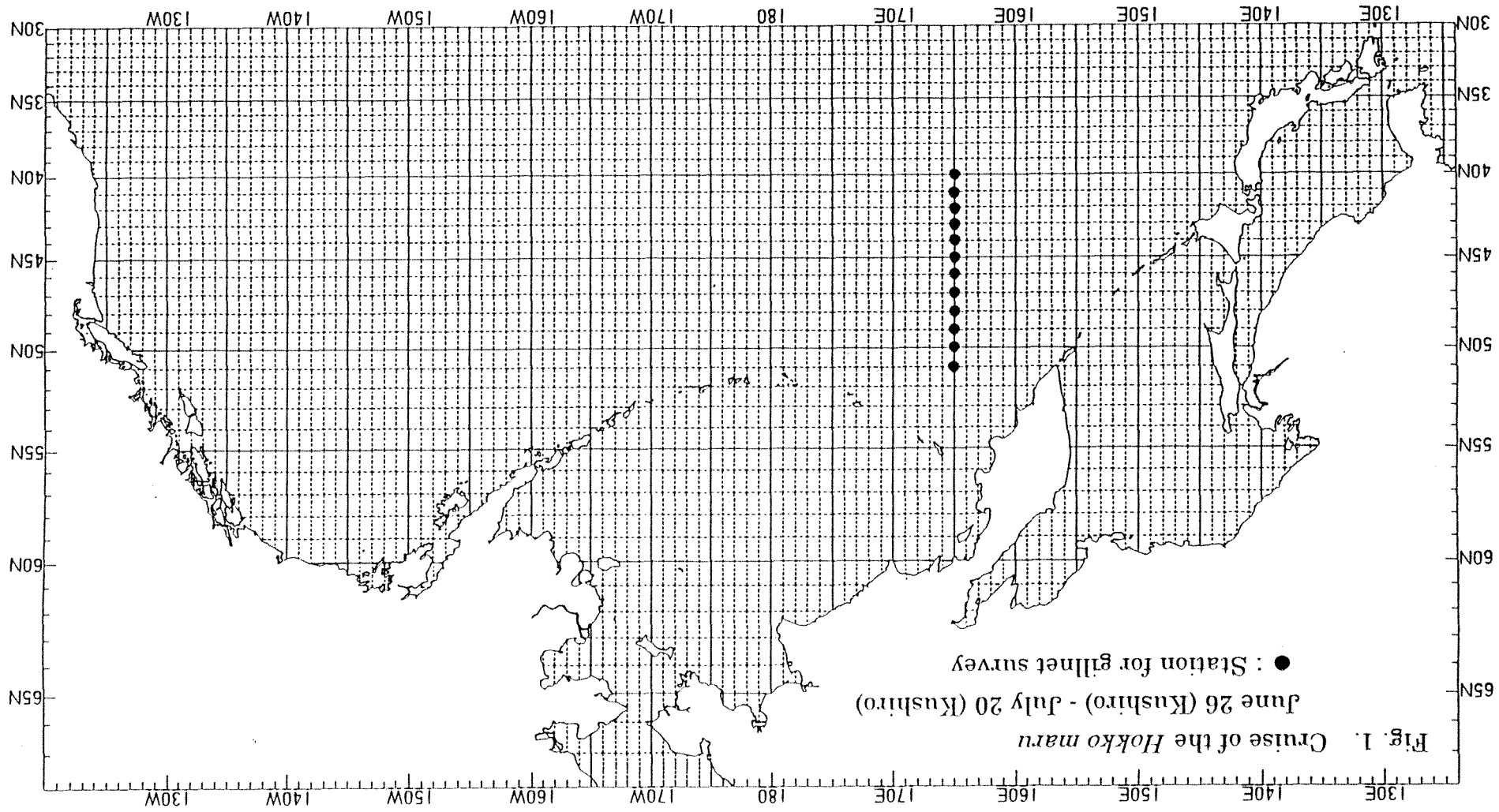
(2) The *Wakatake maru* will conduct research with gillnets and longlines to obtain data on the distribution and stock abundance of salmon along 179° 30'W longitude in the North Pacific and Bering Sea from early June to late July (Fig. 2).

(3) The *Oshoro maru* will conduct research with gillnets, longlines, and small trawl to obtain data on the distribution and ecology of salmon and other pelagic fishes in the North Pacific, Bering Sea, and Gulf of Alaska from early June to mid-August (Fig. 3).

(4) The *Hokusei maru* will conduct three cruises for oceanographic observations and research with gillnets to obtain data on the distribution and ecology of salmon and other pelagic fishes in the western North Pacific Ocean from June to August (Fig. 4).

Table 1. Proposed cruise plan of Japanese research vessels for salmon in the North Pacific in 1998/99 fiscal year.

Vessel	Period	Survey area	Research objects	Gear equipped	Figure
<i>Hokko maru</i>	June 26 - July 20	Western North Pacific	Stock assessment	Gillnets	1
<i>Wakatake maru</i>	June 10 - July 26	Central North Pacific Bering Sea	Stock assessment	Gillnets and longlines	2
<i>Oshoro maru</i>	June 3 - Aug. 19	Central North Pacific Bering Sea Gulf of Alaska	Fish community	Gillnets, longlines, and trawl net	3
<i>Hokusei maru</i>	June 1 - June 15	Western North Pacific	Fish community	Gillnets	4
	June 22 - July 6	Western North Pacific	Fish community	Gillnets	4
	July 18 - Aug. 18	Western North Pacific	Fish community	Gillnets	4



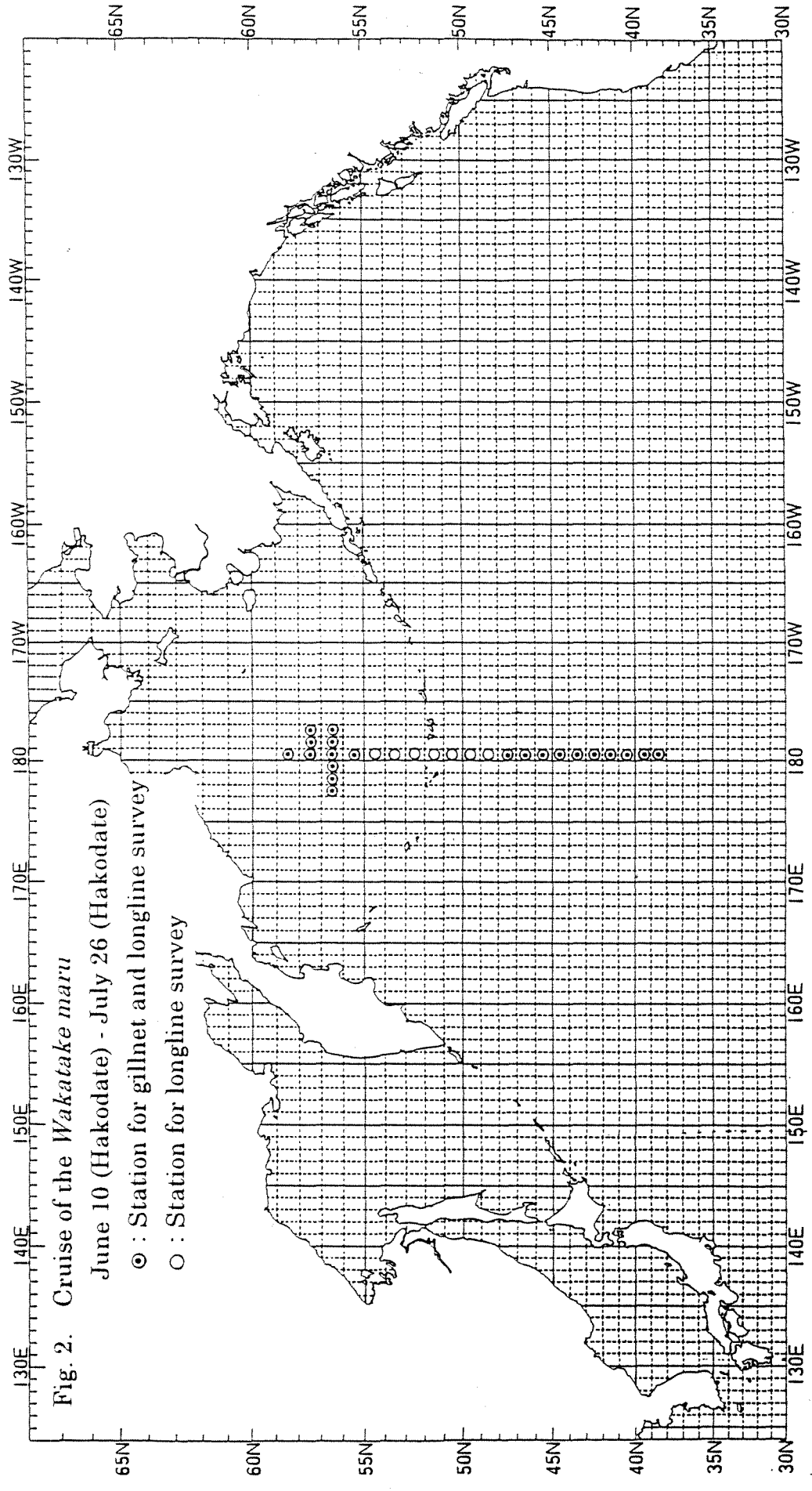


Fig. 2. Cruise of the *Wakatake maru*
 June 10 (Hakodate) - July 26 (Hakodate)
 ⊙ : Station for gillnet and longline survey
 ○ : Station for longline survey

CRUISE PLAN OF THE OSHORO MARU IN SUMMER 1998

Fig. 3. Cruise of the *Oshoro maru*
June 3 (Hakodate) - Aug. 19 (Hakodate)

