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**Proposed Cruise Plans of Japanese Research Vessels for
Salmon in the North Pacific Ocean in 1996/7 Fiscal Year**

by

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by

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Six Japanese salmon research vessels are tentatively scheduled to conduct the following scientific research in the Sea of Okhotsk, western North Pacific, Bering Sea, and Gulf of Alaska in 1996/97 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 sockeye, chum, and pink salmon at the stations along 165° E longitude in July (Fig. 1).

2) The *Wakashio maru* will conduct research with small mesh-sized gillnets to obtain data on the distribution and ecology of Japanese origin chum salmon and Sakhalin origin pink salmon juveniles in the Sea of Okhotsk and western North Pacific from mid-July to mid-August (Fig. 2).

3) 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. 3).

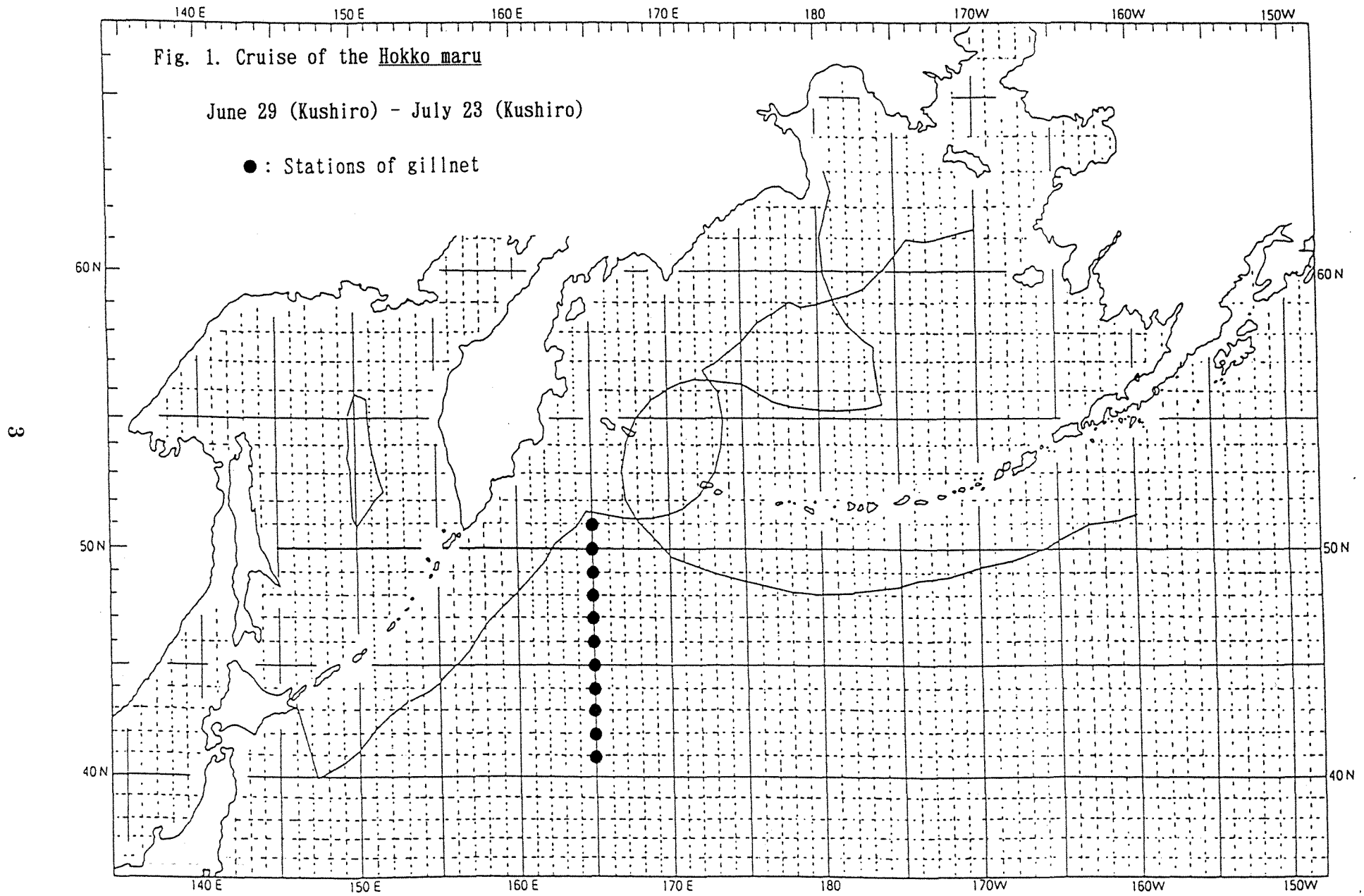
4) The *Oshoro maru* will conduct research with gillnets, longlines, and small trawl to obtain data on the distribution and ecology of salmon and other pelagic fishes in the North Pacific, Bering Sea, and Gulf of Alaska from early June to mid-August (Fig. 4).

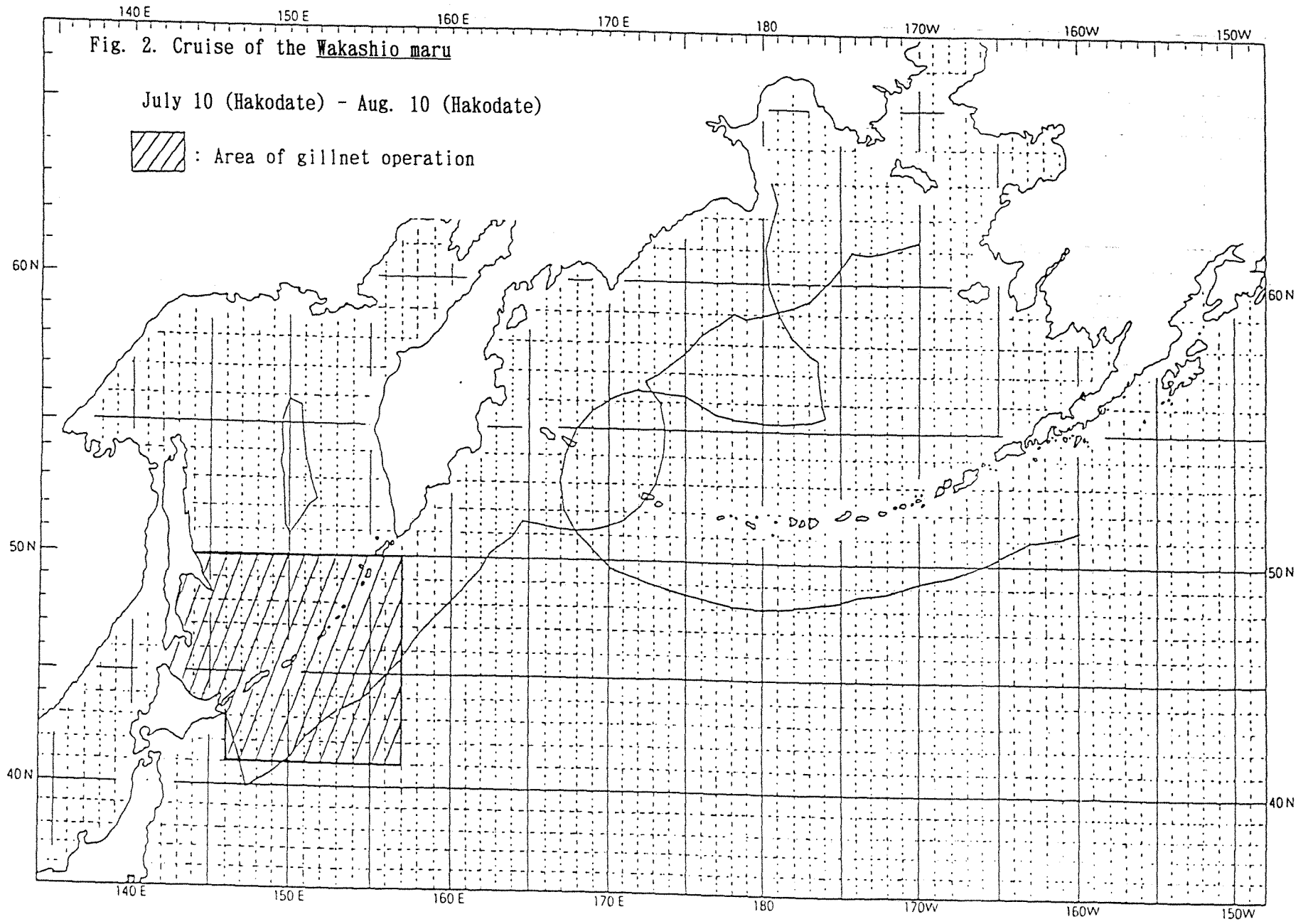
5) The *Hokusei maru* will conduct three cruises for oceanographic observations and research with gillnets to obtain data on the distribution and ecology of salmon and other pelagic fishes in the western North Pacific Ocean from June to August (Fig. 5). The *Hokusei maru* will also conduct a cruise for 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 in October (Fig. 6).

6) The *Kaiyo maru* will conduct research with surface trawl to obtain data on the distribution and ecology of juvenile salmon in the Sea of Okhotsk and western North Pacific in October and November, 1996 (Fig. 7).

Table 1. Proposed cruise plan of Japanese research vessels for salmon in the North Pacific in 1996/97 fiscal year.

| Vessel | Period | Survey area | Research objects | Gear equipped | Figure |
|----------------------|-------------------|---|---------------------|--------------------------------------|--------|
| <u>Hokko maru</u> | June 29 - July 23 | Western North Pacific | Stock assessment | Gillnets | 1 |
| <u>Wakashio maru</u> | July 10 - Aug. 10 | Around Kuril Islands Western North Pacific Sea of Okhotsk | Migrating juveniles | Gillnets | 2 |
| <u>Wakatake maru</u> | June 9 - July 25 | Central North Pacific Bering Sea | Stock assessment | Gillnets and longlines | 3 |
| <u>Oshoro maru</u> | June 3 - Aug. 15 | Central North Pacific Bering Sea Gulf of Alaska | Fish community | Gillnets, longlines and trawl net | 4 |
| <u>Hokusei maru</u> | June 1 - June 15 | Western North Pacific | Fish community | Gillnets | 5 |
| | June 20 - July 4 | Western North Pacific | Fish community | Gillnets | 5 |
| | July 10 - Aug. 10 | Western North Pacific | Fish community | Gillnets | 5 |
| | Oct. 11 - Oct. 30 | Western North Pacific | Fish community | Gillnets | 6 |
| <u>Kaiyo maru</u> | Oct. 4 - Nov. 22 | Western North Pacific Sea of Okhotsk | Juvenile salmon | Surface trawl | 7 |





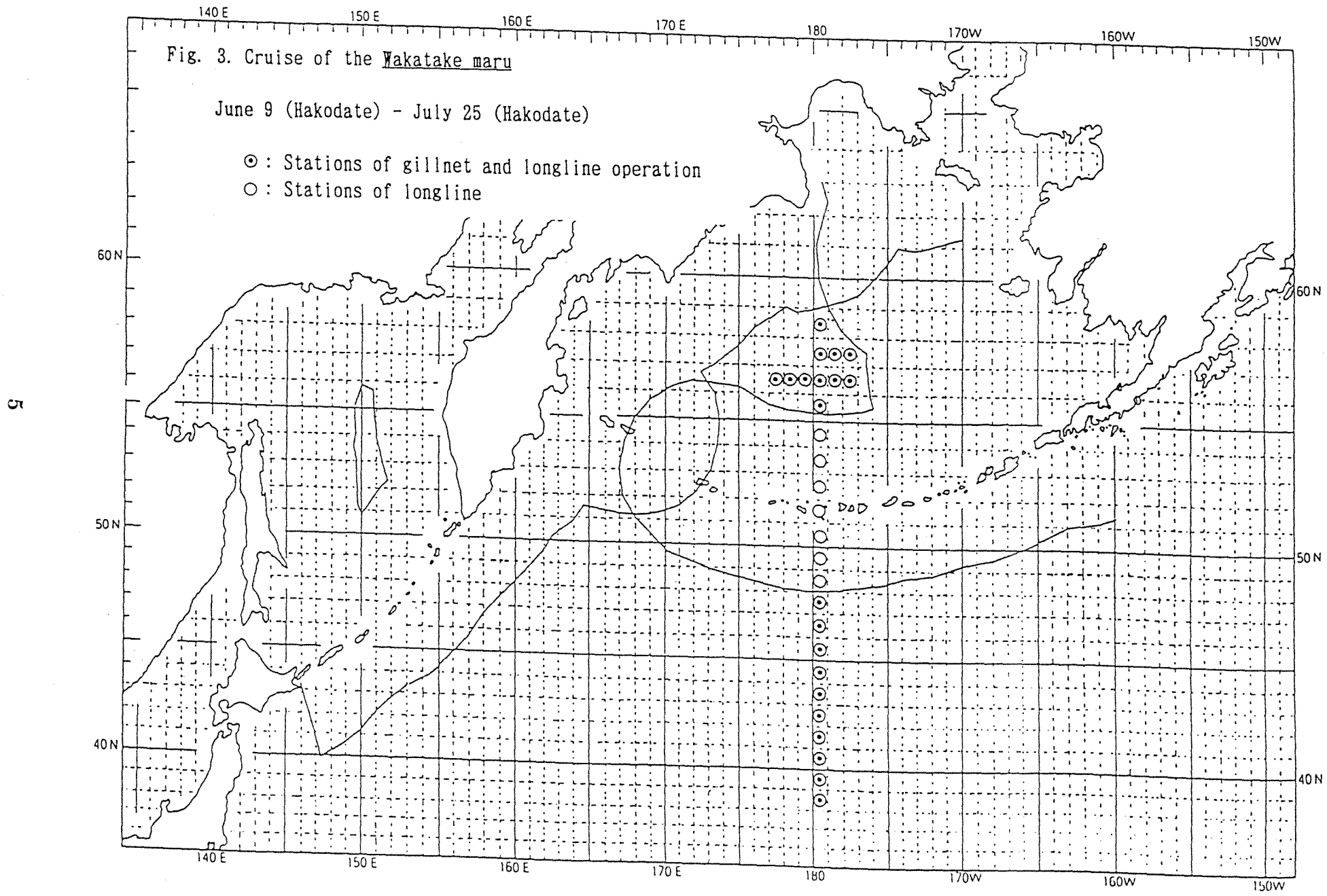


Fig. 4. Cruise of the Oshoro maru

June 3 (Hakodate) - Aug. 15 (Hakodate)

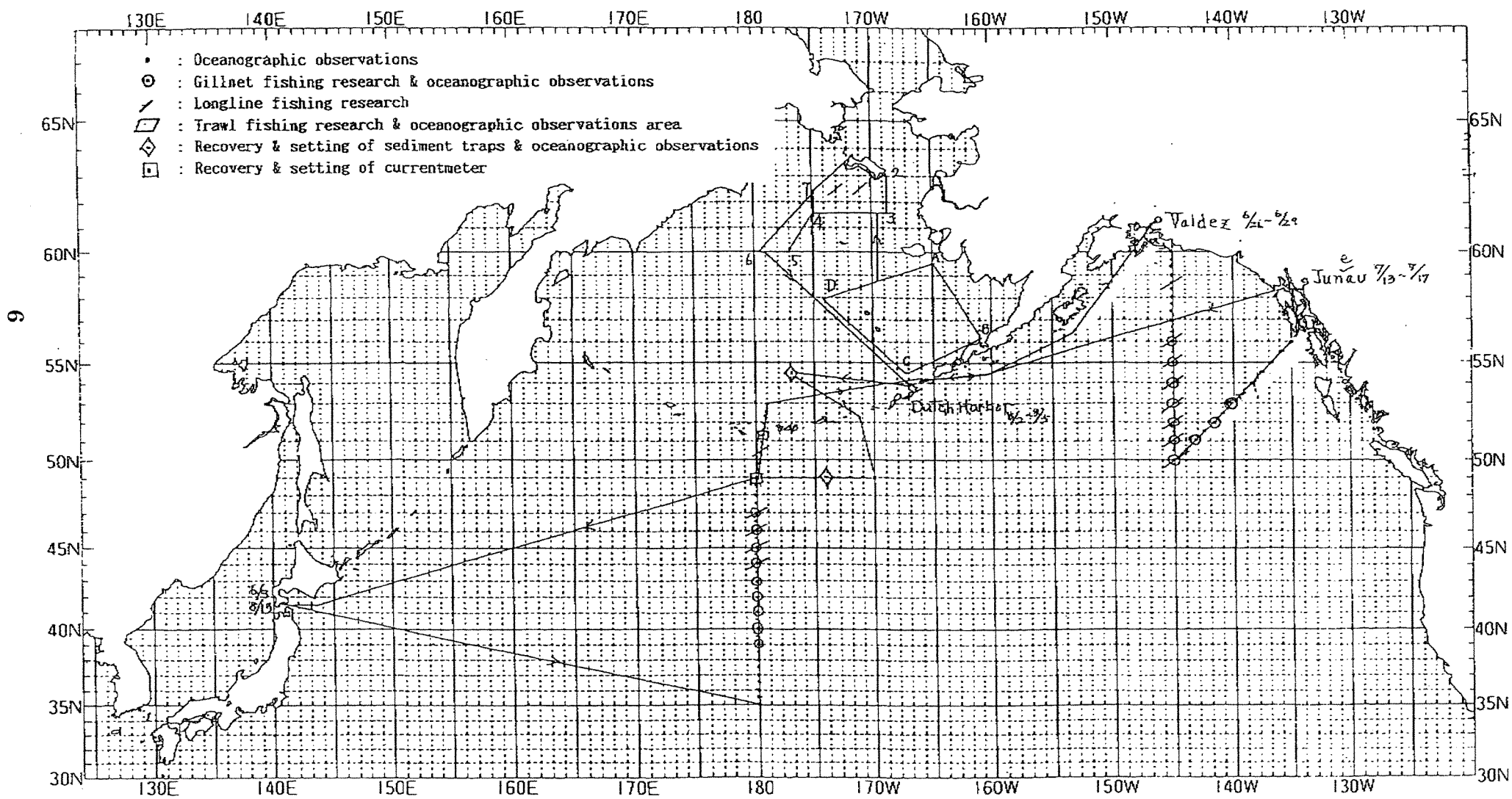


Fig. 5. 1st, 2nd and 3rd cruises of the Hokusei maru

- June 1 (Hakodate) - June 15 (Hakodate)
- June 20 (Hakodate) - July 4 (Hakodate)
- July 10 (Hakodate) - Aug. 10 (Hakodate)

○ : Stations of oceanographical observation
 ● : Stations of gillnet operation and oceanographical observation

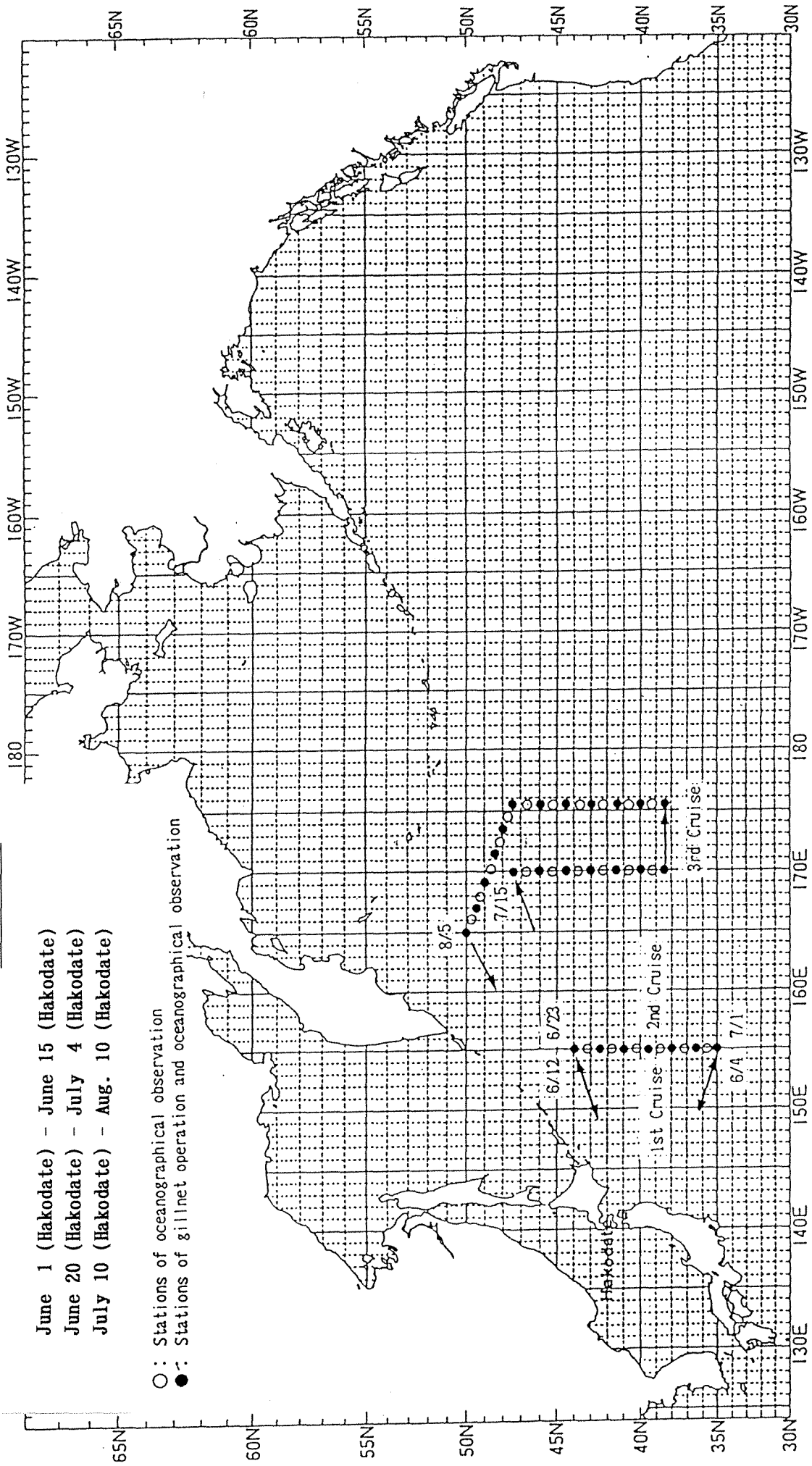
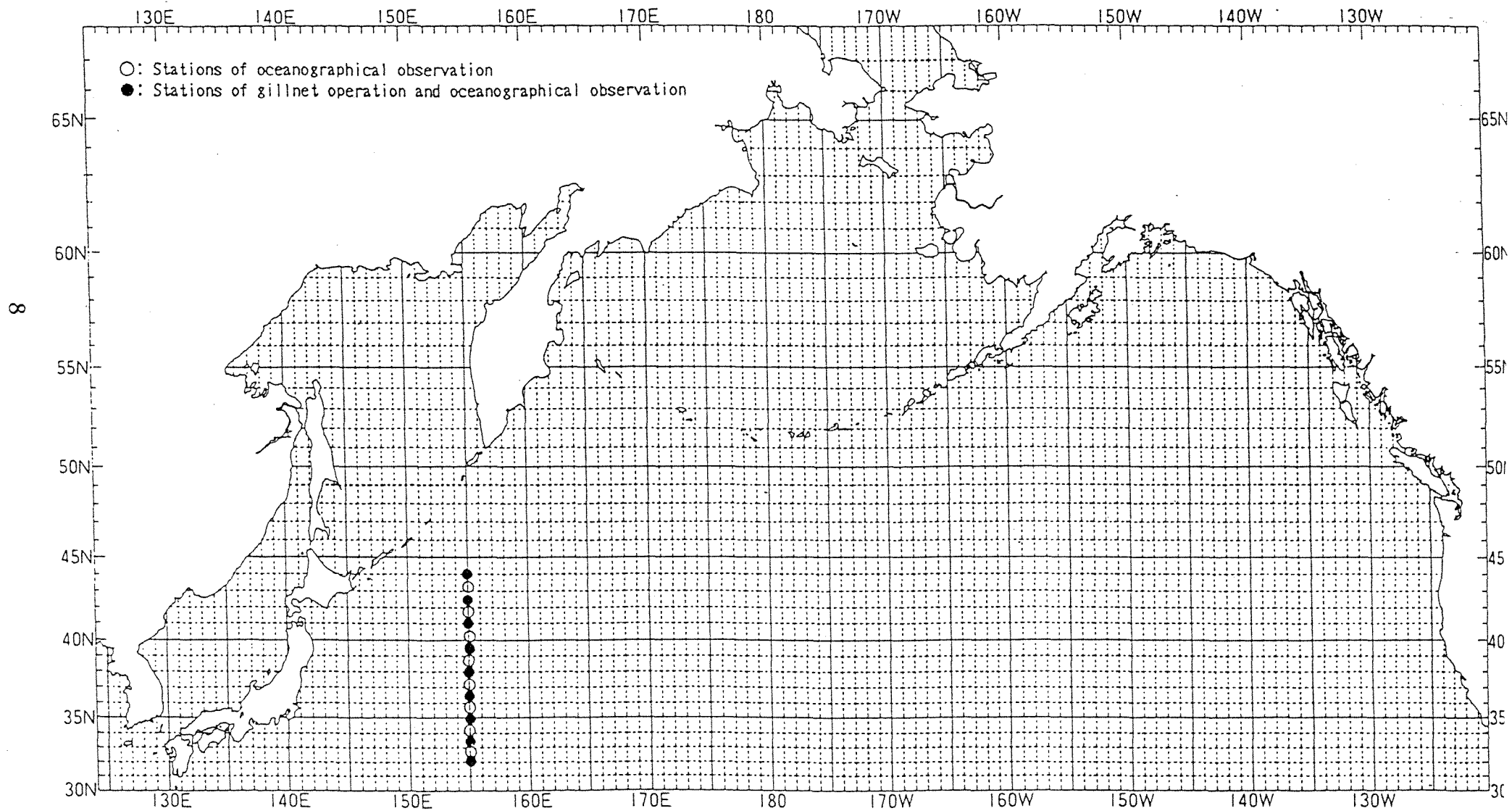


Fig. 6. Cruise of the Hokusei maru

Oct. 11 (Hakodate) - Oct. 30 (Hakodate)



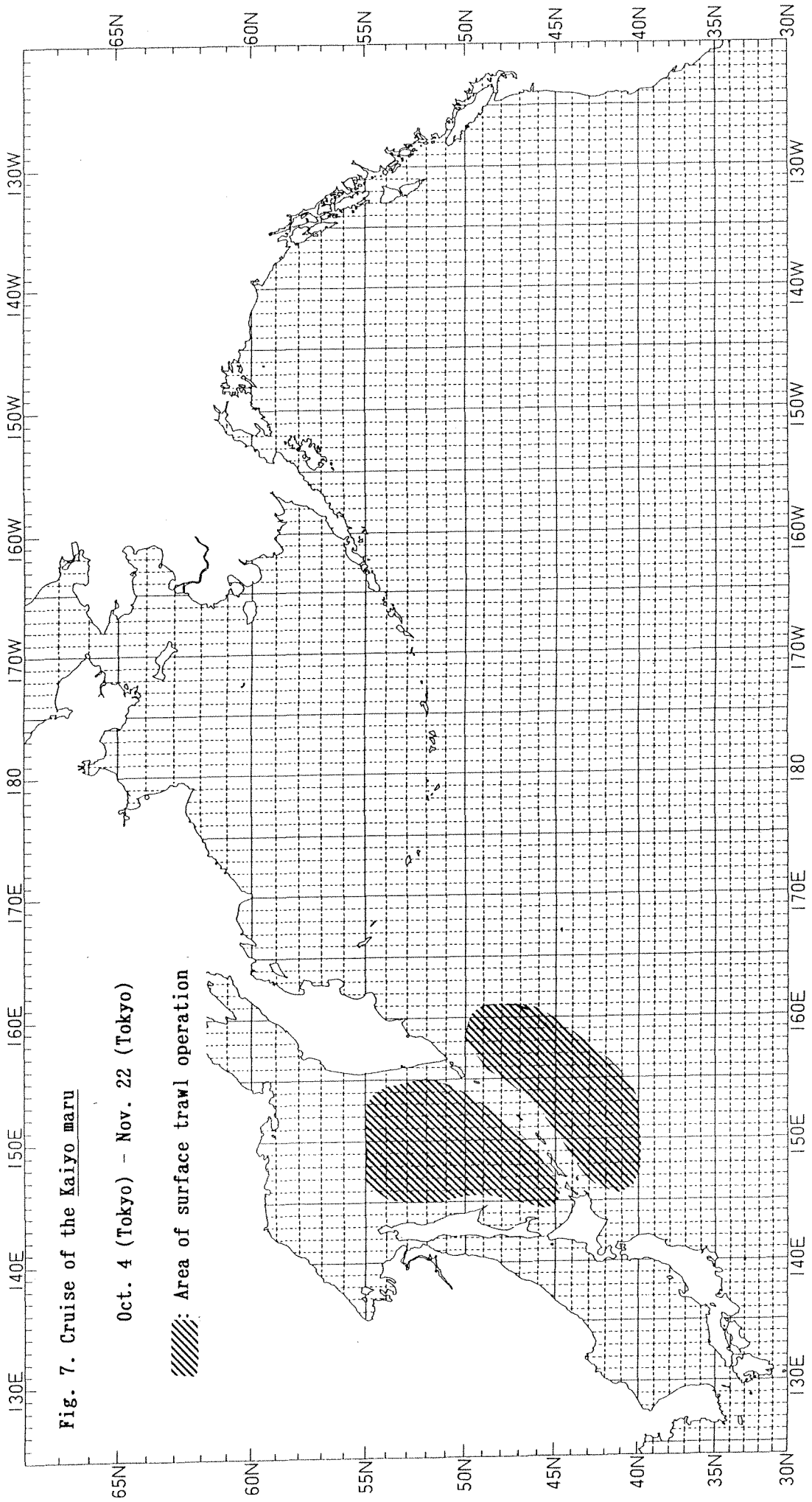


Fig. 7. Cruise of the Kaiyo maru

Oct. 4 (Tokyo) - Nov. 22 (Tokyo)

▨: Area of surface trawl operation