



19th Conference of the IHO Hydrographic Commission on Antarctica

National Report (Republic of Korea)

Agenda item 07.2A

HCA-19, Venice, Italy (hybrid), 15 – 18 April 2024

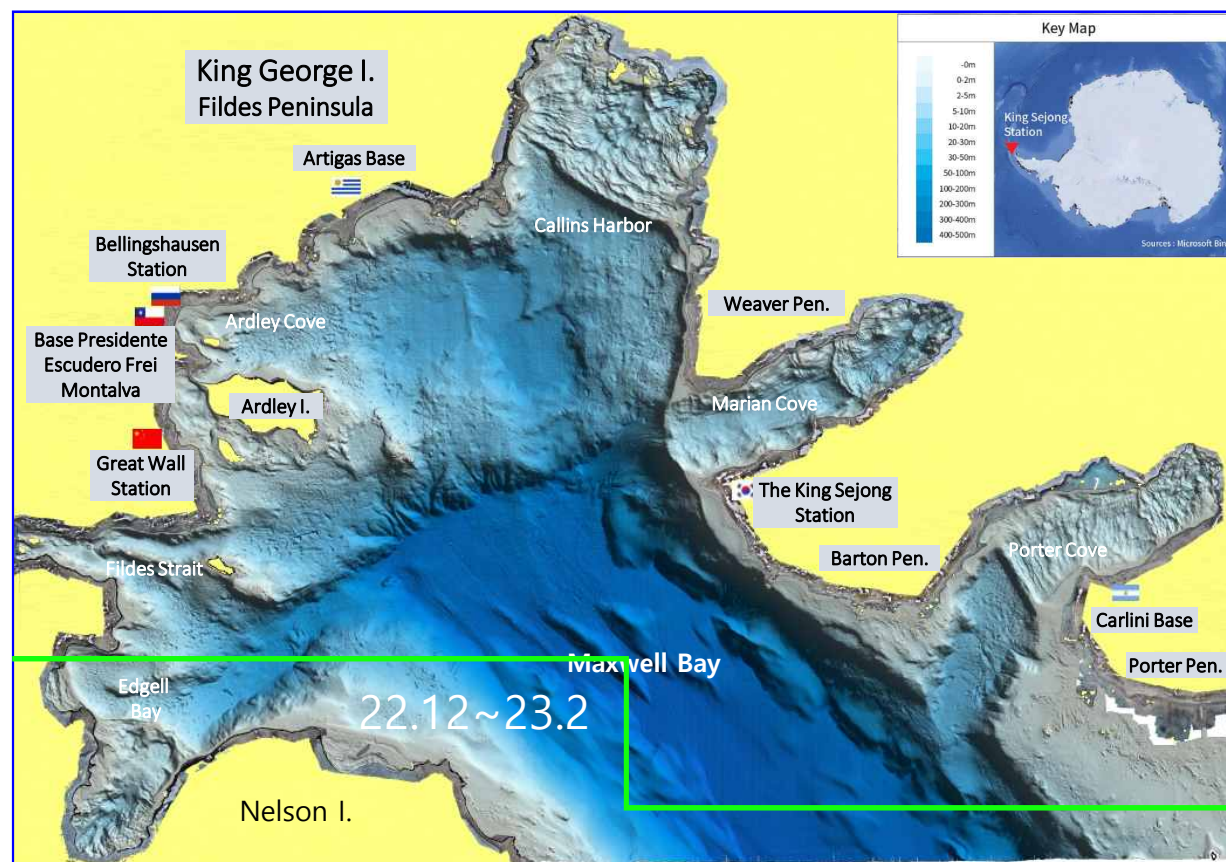


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Surveys and charting progress in Antarctica since HCA-18 (May 2022)

International Hydrographic Organization

- Areas surveyed
 - The Maxwell Bay of King George Island
- Charts produced
 - Paper *Chart*(4 chart) NO.9511~9514 from the Multibeam survey for Dec 2019 to Feb 2023



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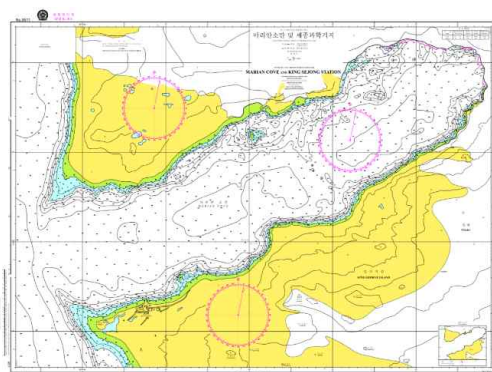
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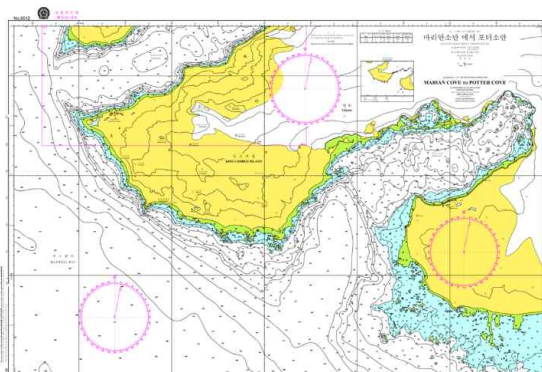
- Tidal data from a tidal gauge installed near the King Sejong station by KHOA

- Kongsberg EM 122 MBES - KOPRI Araon(7,500ton)
- Teledyne Reason Seabat T-50R MBES - KHOA Survey ship(3ton)

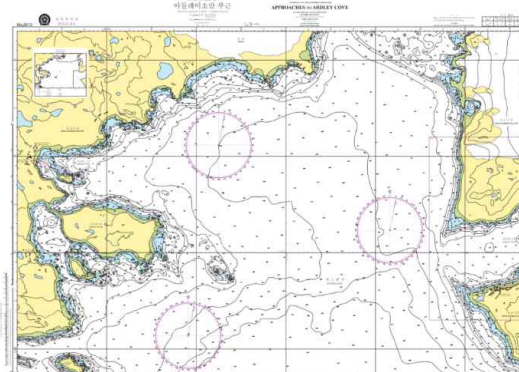
Chart No.	Chart name	Survey Period	Scale
No. 9511	Marian cove and King Sejong station	Dec 2019 to Feb 2020	1:5,000
No. 9512	Marian cove to Potter cove	Dec 2019 to Feb 2020	1:10,000
No. 9513	Approaches to Ardley cove	Dec 2019 to Feb 2022	1:10,000
No. 9514(2023 new)	Approaches to Maxwell bay	Dec 2019 to Feb 2023	1:25,000



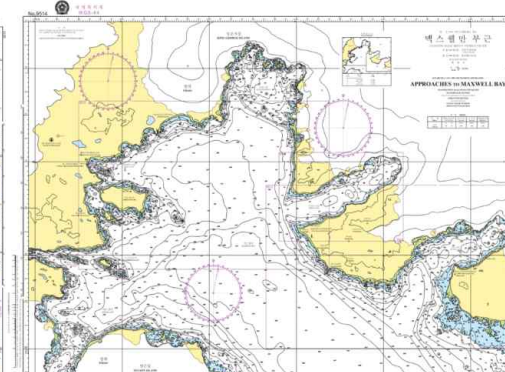
Marian cove and King Sejong station



Marian cove to Potter cove



Approaches to Ardley cove



Approaches to Maxwell bay

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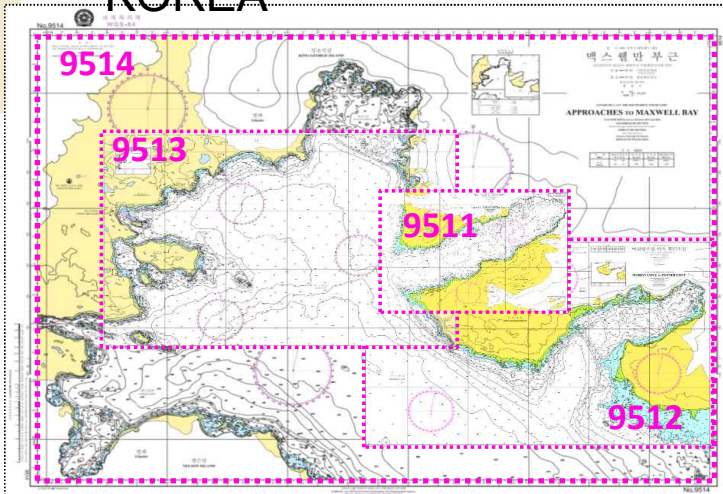


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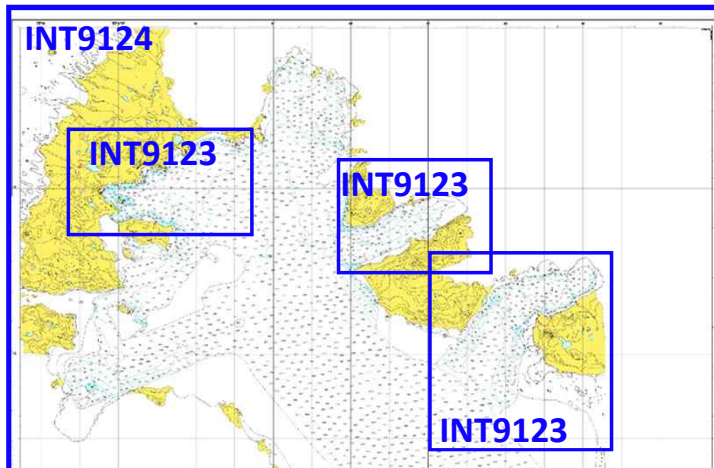
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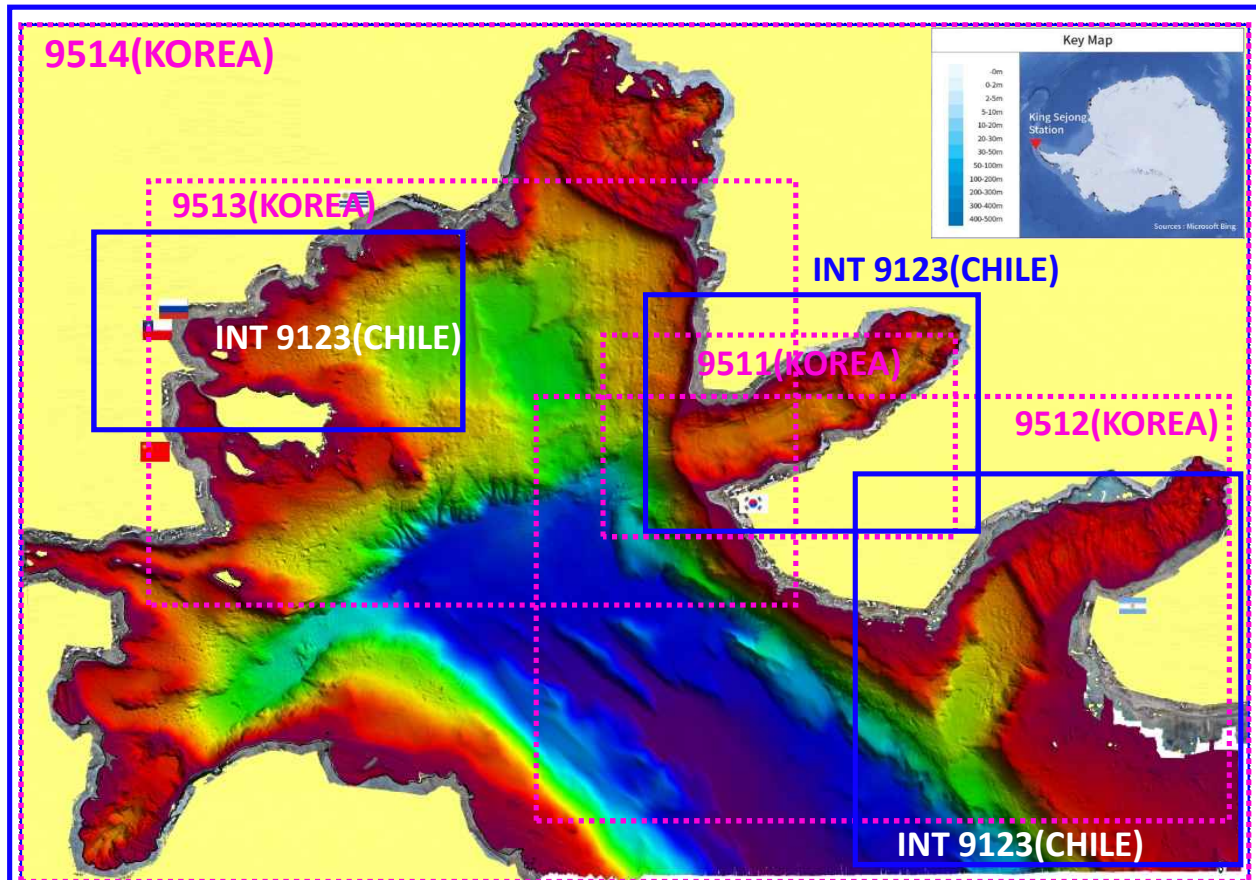
• KOREA



• CHILE



INT9124(CHILE)



ice, Italy (hybrid), 15 – 18 April 2024



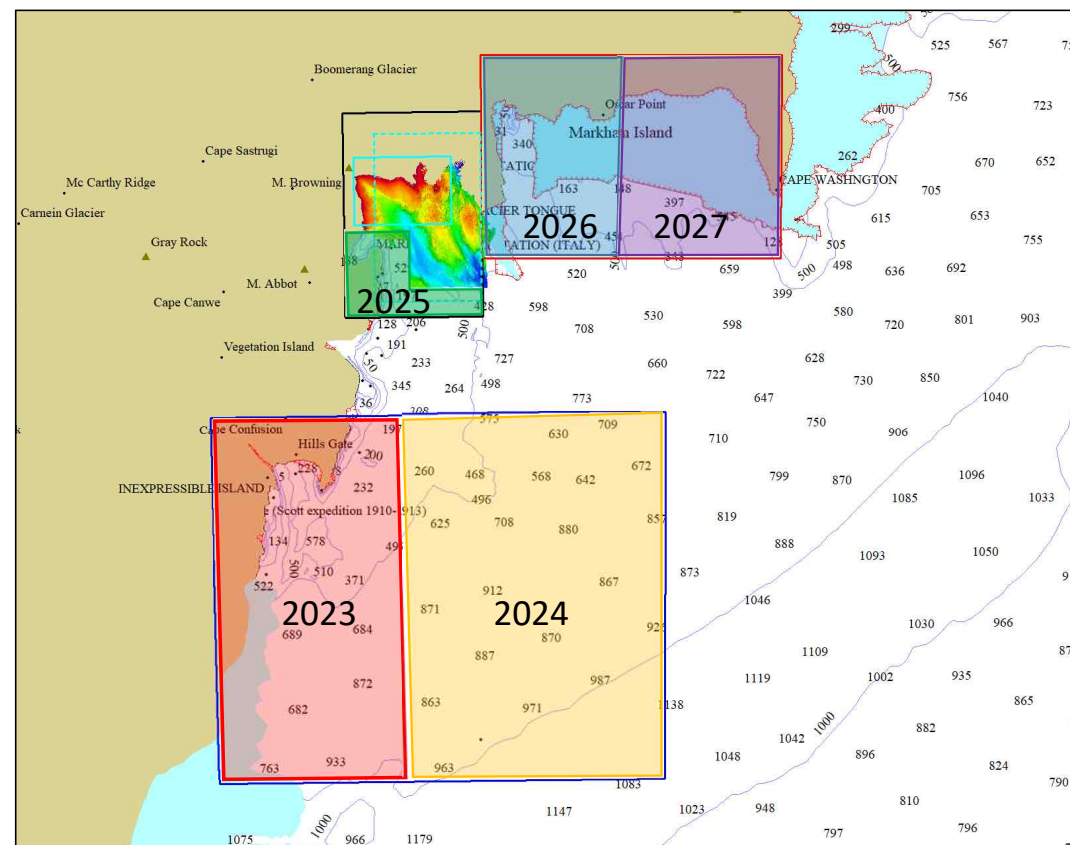
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Planned Activities for 2023-2028

INT 9013(1:10,000), Korea

International
Hydrographic
Organization

- Paper *Chart*(2 charts) NO.9501, 9502 from the Multibeam survey for 2017 to 2018
 - NO. 9501(INT9013), P9502
- New Surveys(2023-2028)
 - Keep working on surveys near the Terr Nava Bay(Ross sea) Survery Vessel is Araon and USV



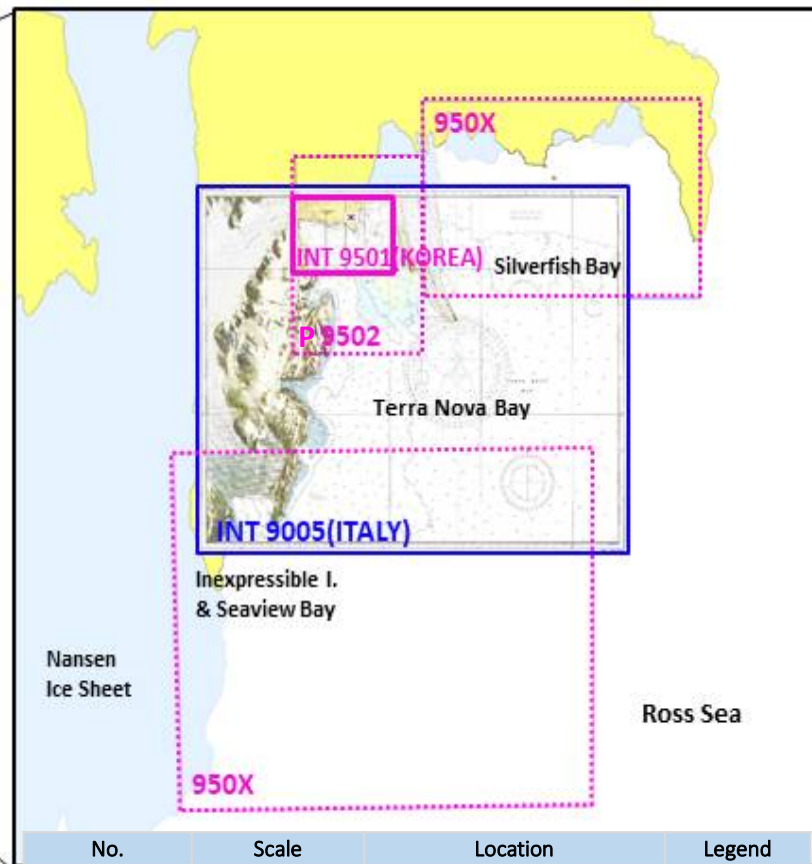
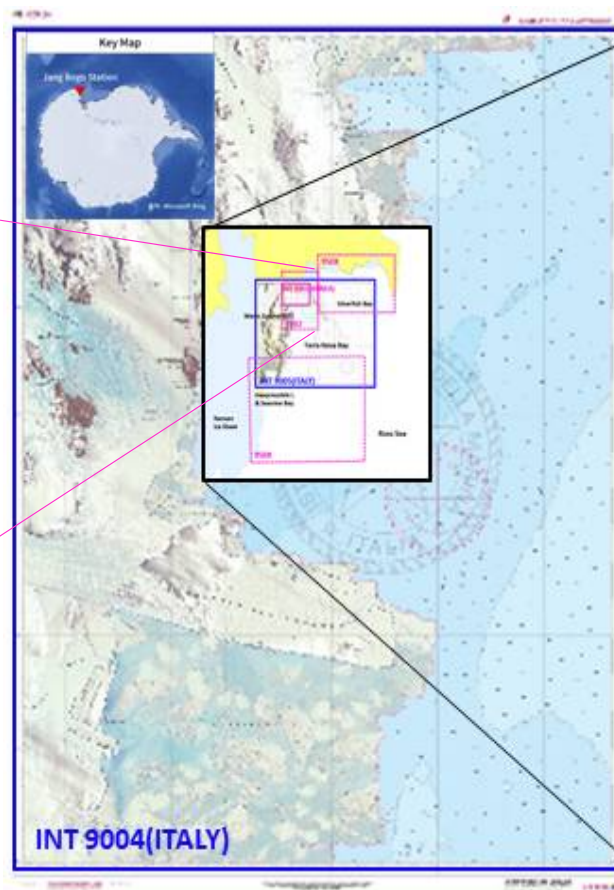
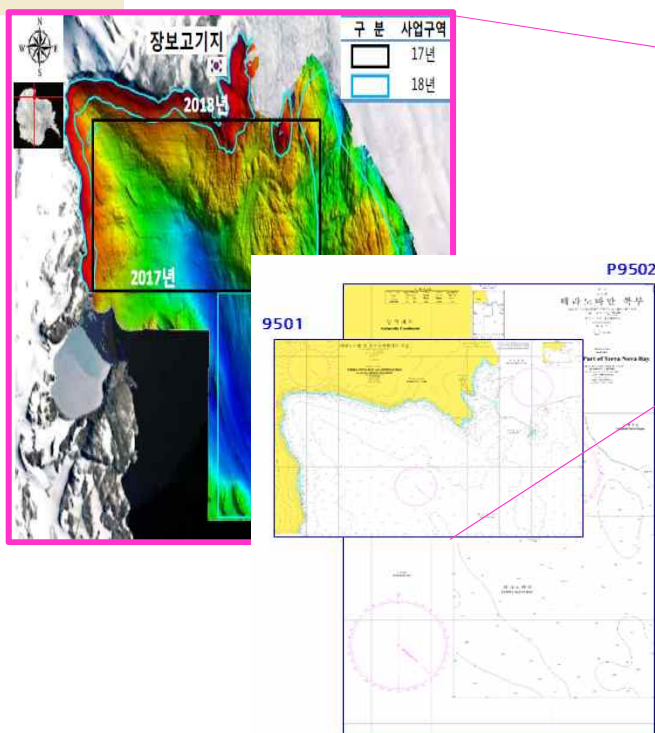
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No.	Scale	Location	Legend
INT 9005	1/50,000	Terra Nova Bay	Italy
INT 9013(9501)	1/10,000	Jang Bogo Station	Korea
(950x)	1/50,000	Inexpressible I.	plan
(P 9502)	1/25,000	Jang Bogo Station	plan
(950x)	1/30,000	Silverfish Bay	plan

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- Scientific and polar institutes
 - KOPRI(Korea Polar Research Institute, KR)
 - KHOA conducts hydrographic survey in the Antarctic using KOPRI's ice breaker Araon
- Hydrographic data received from other organizations
 - NGII(National Geographic Information Institute, KR)
- Hydrographic data provided to other primary charting authorities and/or GEBCO
 - KOPRI provided GEBCO with bathymetric data from 2009 to 2019
- Conducted Maxwell Bay Survey and Provided metadata

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