

## Coastal Navigational Chart of Northern Islands of Sri Lanka

The National Hydrographic Office (NHO) of the National Aquatic Resources Research and Development Agency (NARA) in Sri Lanka conducted a hydrographic survey off the coast of the Jaffna peninsula in Sri Lanka from January to December 2018 to prepare a Coastal Nautical chart of the Northern Island of the country under the National Charting Programme, which was funded by the Government of Sri Lanka.

During the period of 1834 to 1985, the Royal Navy of Great Britain and Indian Navy conducted bathymetric surveys in this area and published the Admiralty chart "Palk Strait and Palk Bay Eastern Part" (BA 2197) in 1987. The scale of this chart is 1:150,000, and the lead line technique was adopted to carry out the survey (see Figure 1).

This sea area lacked updated bathymetric data, and due to the three-decade-long war situation, the NHO could not carry out any hydrographic surveys. After the civil war ended in 2009, the NHO started sporadic hydrographic surveys to address the fisheries sector's requirements. However, the NHO identified the importance of updated bathymetric data in the area to fulfill the requirements for Safety of Navigation.

The systematic hydrographic survey aimed to cover a 650 square kilometer sea area from Kankasanthurai to Mandathiuve Island of the Jaffna peninsula. The data collected under this project will be helpful not only for the preparation of nautical charts but also for researchers, engineers, developers, policymakers, and decision-makers in the maritime, fisheries, and environmental sectors.

Based on the data collected, the NHO has prepared Coastal charts in a printed version at the scale of 1:50,000, Electronic Navigational Charts, and Digital Datasets.

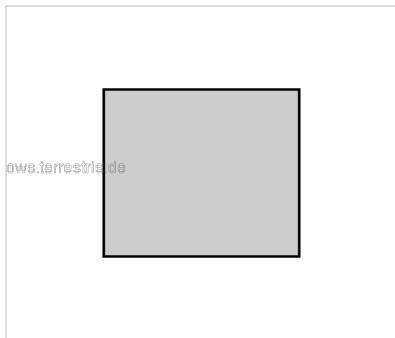
### Simple

Project_No	NCPJF NH001_2018
Date (Creation)	2023-07-29
Edition	1
Purpose	Safety of Navigation
Status	Completed

#### Owner

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<b>Maintenance and update frequency</b>	As needed
<b>Keywords</b>	<ul style="list-style-type: none"> <li>• Navigation</li> <li>• Hydrography</li> <li>• Echo sounder</li> <li>• Single Beam</li> <li>• Side Scan</li> <li>• DGPS</li> <li>• Nautical chart</li> </ul>
<b>Place</b>	<ul style="list-style-type: none"> <li>• Sri Lanka</li> <li>• Jaffna</li> </ul>
<b>Access constraints</b>	Copyright
<b>Use constraints</b>	Copyright
<b>Spatial representation type</b>	Nautical Chart(paper)
<b>Language</b>	English
<b>Character set</b>	UTF8
<b>Topic category</b>	<ul style="list-style-type: none"> <li>• Nautical Charting</li> </ul>
<b>Begin date</b>	2018-01-01
<b>End date</b>	2018-12-31



<b>Navigational_Band</b>	3-Coastal
<b>Methodology</b>	Single beam and Side Scan Sonar
<b>Standard</b>	IHO S44
<b>Horizontal_Datum</b>	WGS84
<b>Projection</b>	Transverse Mecator
<b>Vertical_Datum</b>	LAT
<b>Unit</b>	Meter
<b>Survey_Line_Spacing</b>	50m
<b>Cross_Line_Spacing</b>	250m
<b>Equipment_Used</b>	Kongsburg EA440
<b>Horizontal_Accuracy</b>	+/-0.01
<b>Vertical_Accuracy</b>	+/-0.01
<b>CATZOC</b>	1
<b>Survey_platform</b>	Bar Reef
<b>Survey_Speed</b>	5 knts
<b>Area_coverage</b>	750 sq.km
<b>Total_Line_Distance_Surveyed</b>	15,000 km
<b>DataAcquisitionSoftware</b>	Hypack
<b>Data_Processing_Software</b>	Hypack, Caris
<b>Reference system identifier</b>	WGS 1984

<b>Hierarchy level</b>	Dataset
<b>File identifier</b>	edb26ec8-b955-4b10-a7ec-f59ca35bb4c5 <a href="#">XML</a>
<b>Metadata language</b>	English
<b>Character set</b>	UTF8
<b>Date stamp</b>	2023-07-30T00:16:21
<b>Metadata standard name</b>	ISO 19115:2003/19139
<b>Metadata standard version</b>	1.0

**Point of contact**

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## Overviews

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