

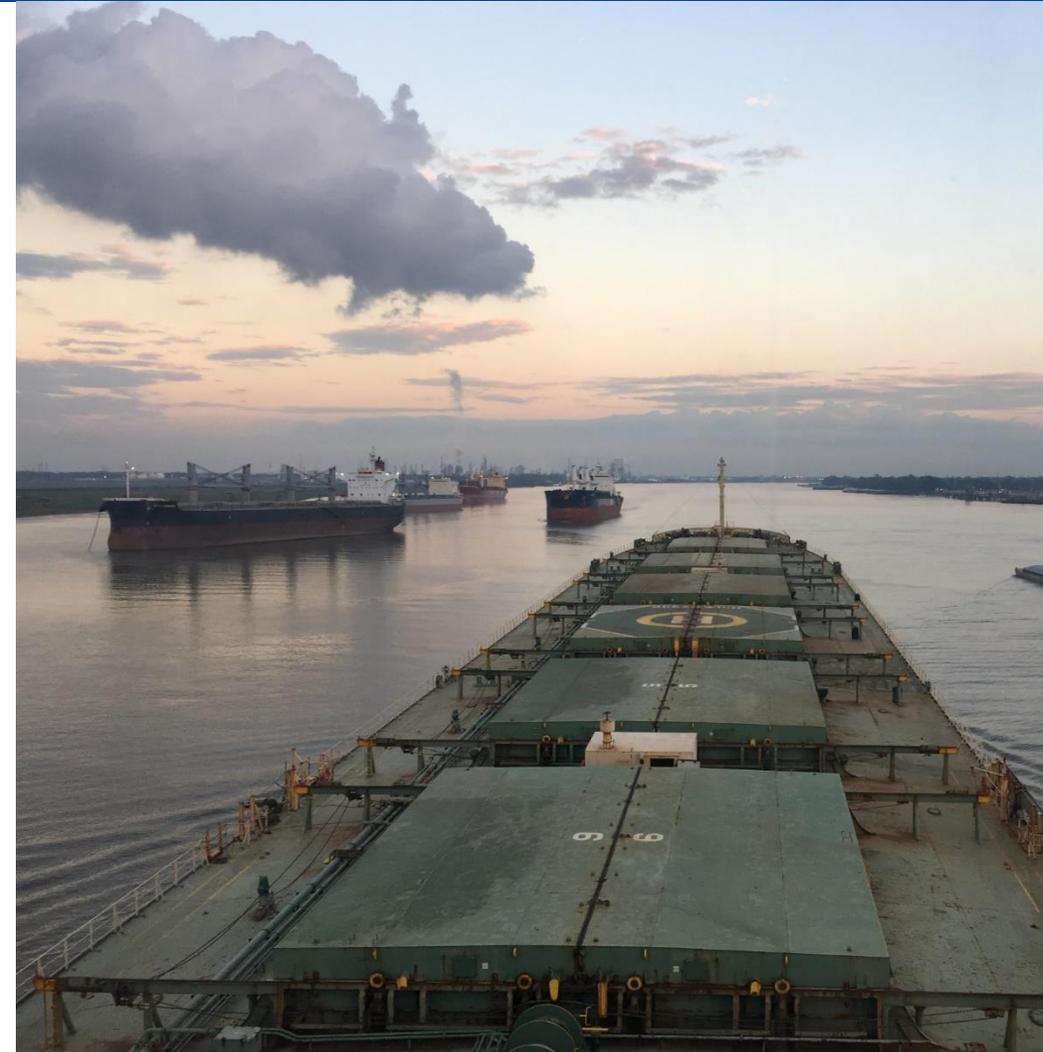
# Sunset of NOAA Raster Charts

NOAA - Office of Coast Survey - Marine Chart Division  
November 4, 2019



# Framework to end NOAA Raster and Paper Nautical Charts

- Communication with major stakeholders(2019-2020)
- Need to work with USCG and NGA on new rulemaking.
- Need to work with POD and other distribution entities on alternatives to raster and paper products and/or raster/paper derived from ENC data.



# Framework to end NOAA Raster and Paper Nautical Charts

## Schedule

2019 - 2020	<ul style="list-style-type: none"><li>• Consult and coordinate with nautical chart data providers,, print-on-demand agents, chart users, and other stakeholders.</li><li>• Complete development of policies and procedures for the orderly cessation of raster chart production.</li></ul>
2020 - 2023	<ul style="list-style-type: none"><li>• Systematically cancel NOAA raster charts.</li></ul>
2024	<ul style="list-style-type: none"><li>• Cancel remaining NOAA raster charts.</li><li>• Make final modifications to the chart production system and documentation for ENC-only production.</li><li>• Make final changes to NOAA websites and other chart related informational and education materials, as required.</li></ul>



# How we end NOAA Raster and Paper Nautical Charts

## What we hope to address through the CMTS

- Regulation changes addressing end of raster/paper charts - important to get started during the communication phase
- Resolving the LNM and NM role post raster/paper chart
- MCD continued progress with ENC re-scheming
- MCD continued improvements to the NOAA custom chart online application

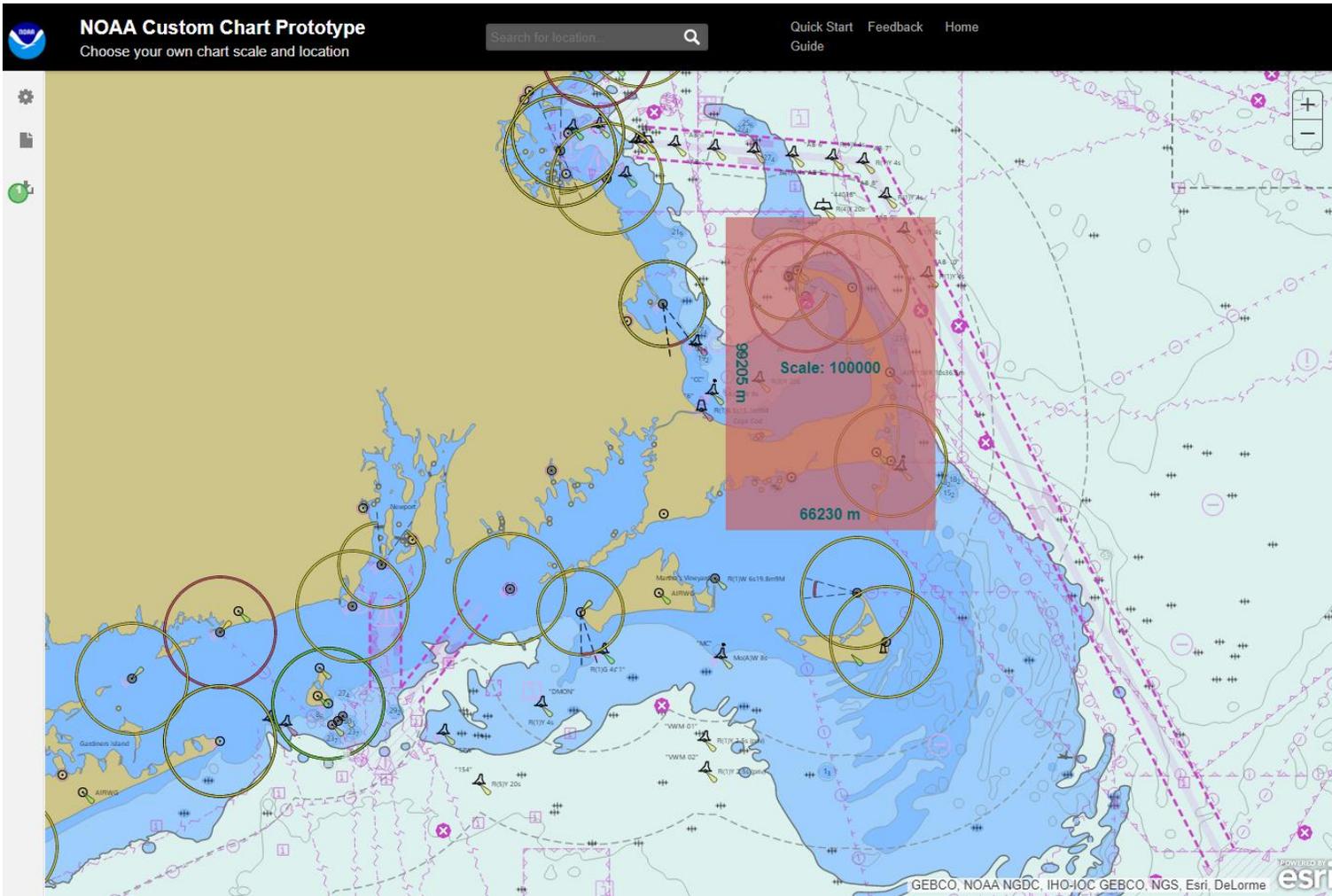


# Framework to end NOAA Raster and Paper Nautical Charts

The screenshot displays the NOAA Custom Chart Prototype web application. At the top left is the NOAA logo. Below it, the text reads "NOAA Custom Chart Prototype" and "Choose your own chart scale and location". A search bar with the placeholder "Search for location..." and a magnifying glass icon is positioned to the right. Further right, a navigation menu includes "Quick Start Guide" (highlighted with a red circle), "Feedback", and "Home". The main area shows a nautical chart of the New York Harbor region, including Staten Island, Brooklyn, Jamaica Bay, and Fire Island. The chart features various navigational symbols such as buoys, lights, and depth soundings. A yellow circle highlights a specific area on the chart. The bottom right corner of the chart area contains the text "NOAA NGDC, NOAA OCS, DeLorme".



# NOAA Raster and Paper Nautical Charts from ENC



Back up paper charts from ENC data with *NOAA Custom Chart* online application

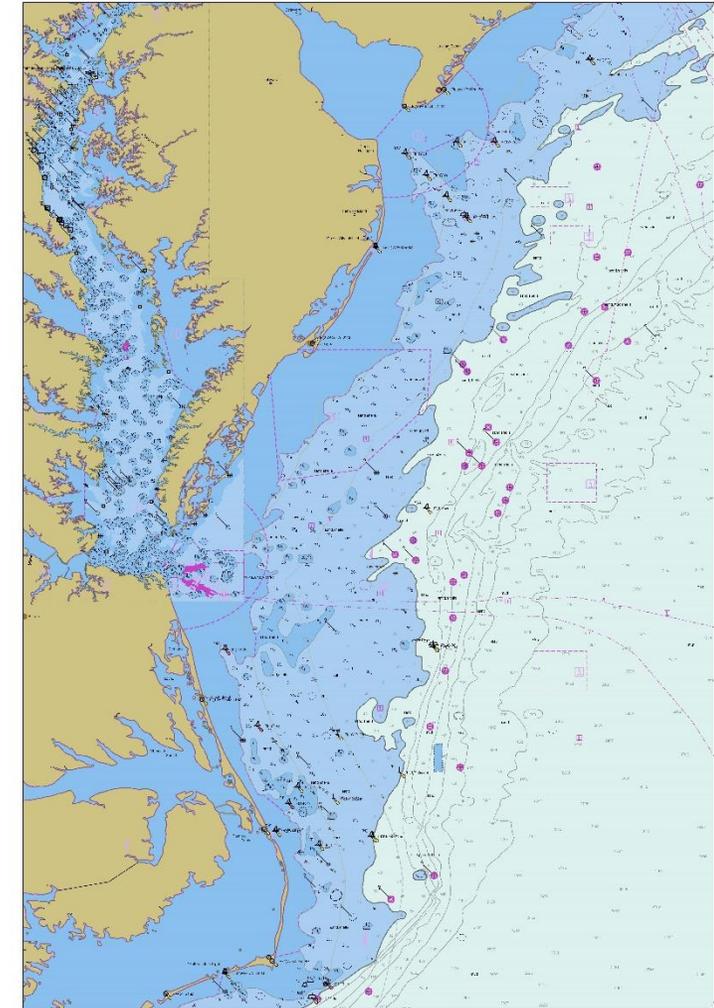
<https://devgis.charttools.noaa.gov/pod>



# As soon as 2020 some NOAA Raster/Paper Nautical Charts will be cancelled

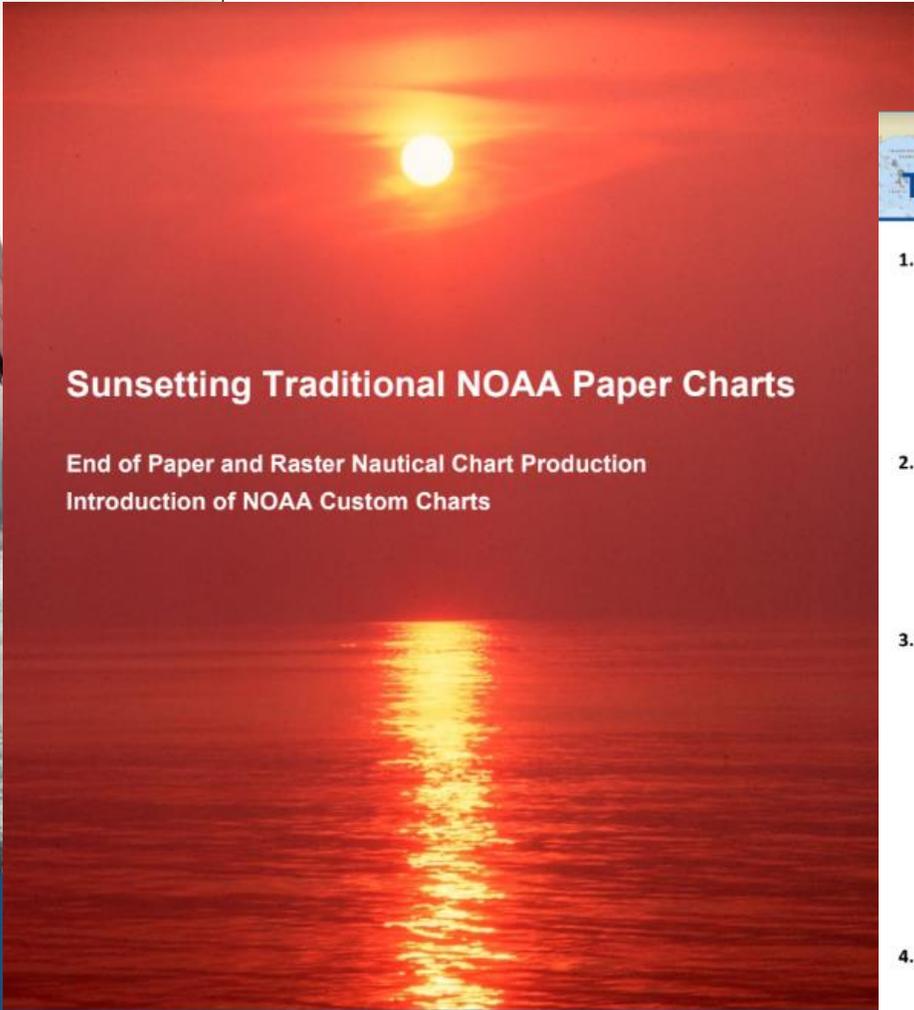
## Criteria for cancelling individual charts

- New larger-scale reschemed ENC coverage is created.
- Compilation of a large amount of new depth or shoreline data is applied to the corresponding ENC.
- Volume of chart sales indicate a low rate of use for a particular chart.
- Some cancelations may be regionally based, especially if all or most of a particular chart's adjoining, similar-scale chart coverage is cancelled.





## Transforming the NOAA ENC<sup>®</sup> Implementing the National Charting Plan



## Sunsetting Traditional NOAA Paper Charts

End of Paper and Raster Nautical Chart Production  
Introduction of NOAA Custom Charts

October 28, 2019



## 5 Things to Know about the End of Traditional NOAA Paper Nautical Chart Production

- 1. A five-year process to end all traditional paper nautical chart production** will shut down all other raster chart products and services associated with traditional NOAA paper nautical charts, including:

Print-on-demand (POD) paper nautical charts	Full-size chart PDFs
NOAA raster navigational charts (NOAA RNC <sup>®</sup> )	BookletChart <sup>™</sup> PDFs
NOAA RNC tile service	Online RNC viewer

The expected cancellation date of these products and services is January 2025.
- 2. NOAA is seeking feedback from chart users** and companies that provide products and services based on NOAA raster and electronic navigational chart (NOAA ENC<sup>®</sup>) products. This information will shape the manner and timing in which the product sunseting process will proceed. Comments may be submitted with the ASSIST feedback tool at <https://nauticalcharts.noaa.gov/customer-service/assist>. A Federal Register Notice soliciting comments will also be released shortly.
- 3. NOAA is undertaking a three-pronged sunseting process** to ease the transition to ENC-based products while continuing to support safe navigation:
  - Improving data consistency and providing larger scale coverage of NOAA's primary chart product, the ENC.
  - Providing access to paper chart products based on ENC data, either through the NOAA Custom Chart web app or third-party commercial data providers.
  - Shutting down all traditional paper and associated raster chart production.Efforts to improve ENCs and develop the NOAA Custom Chart web app have been ongoing for several years now. The cancellation of some paper and raster charts may start as early as mid to late 2020. NOAA does not have the resources to continue maintaining both traditional paper nautical charts and ENCs.
- 4. Paper Charts from ENC data** can now be created with the NOAA Custom Chart web app at <https://devgis.charttools.noaa.gov/pod>. Users can create charts from the latest NOAA ENC data, then download, view, and print the output to get a paper or digital backup for GPS-enabled chart displays or other electronic chart systems.
- 5. Historical editions of nautical charts** - suitable for framing - back to the mid-1800s, may be downloaded for free at <https://historicalcharts.noaa.gov>.