



Nautical Cartography Working Group

NCWG-5, Stockholm, Sweden, 5-8 November 2019

NCWG5-12.5A INF

US Plans for Future of NOAA Paper Charts

Colby Harmon - US (NOAA)

Sunset of NOAA Raster Charts

*5 Year Plan to End (Sunset)
All Traditional Paper and
Raster Nautical Chart
Production by Jan 2025*





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3 parts of the NOAA raster sunset process

1. Rescheme NOAA ENC suite

Improve the consistency and level of detail provided by NOAA's primary chart product, the Electronic Navigational Chart.

2. Provide Alternative ENC-based Paper Charts

Promote use of paper chart products based on ENC data, either through the NOAA Custom Chart (NCC) web app being developed by NOAA or through third-party commercial vendors providing other ENC-based chart products.

3. Gradual End of Traditional Charts

Orderly shutdown of all traditional NOAA paper and other raster nautical chart production (RNC, RNC Tile Service, Traditional POD Charts, etc.)

- Communications Phase
- Chart Cancellation Phase



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Time Line

- **Nov 2017 - NOAA released *National Charting Plan***
 - States that NOAA is reviewing different approaches for making nautical charts more efficiently
- **Nov 2019 - NOAA releases *Sunsetting Traditional NOAA Paper Charts***
 - Describes 3 pronged approach to completely end production of traditional (standard) NOAA paper nautical charts and related raster products
- **Late 2019 - 2020 - Sunset Communications Phase**
 - Seek feedback from mariners, recreational boaters, NOAA Print on Demand (POD) vendors, third-party chart data providers, other US Government partners, and other stakeholders
- **Late 2020 - Jan 2025 - Chart Cancellation Phase**
 - Systematically shutdown all traditional paper and raster nautical chart products and services



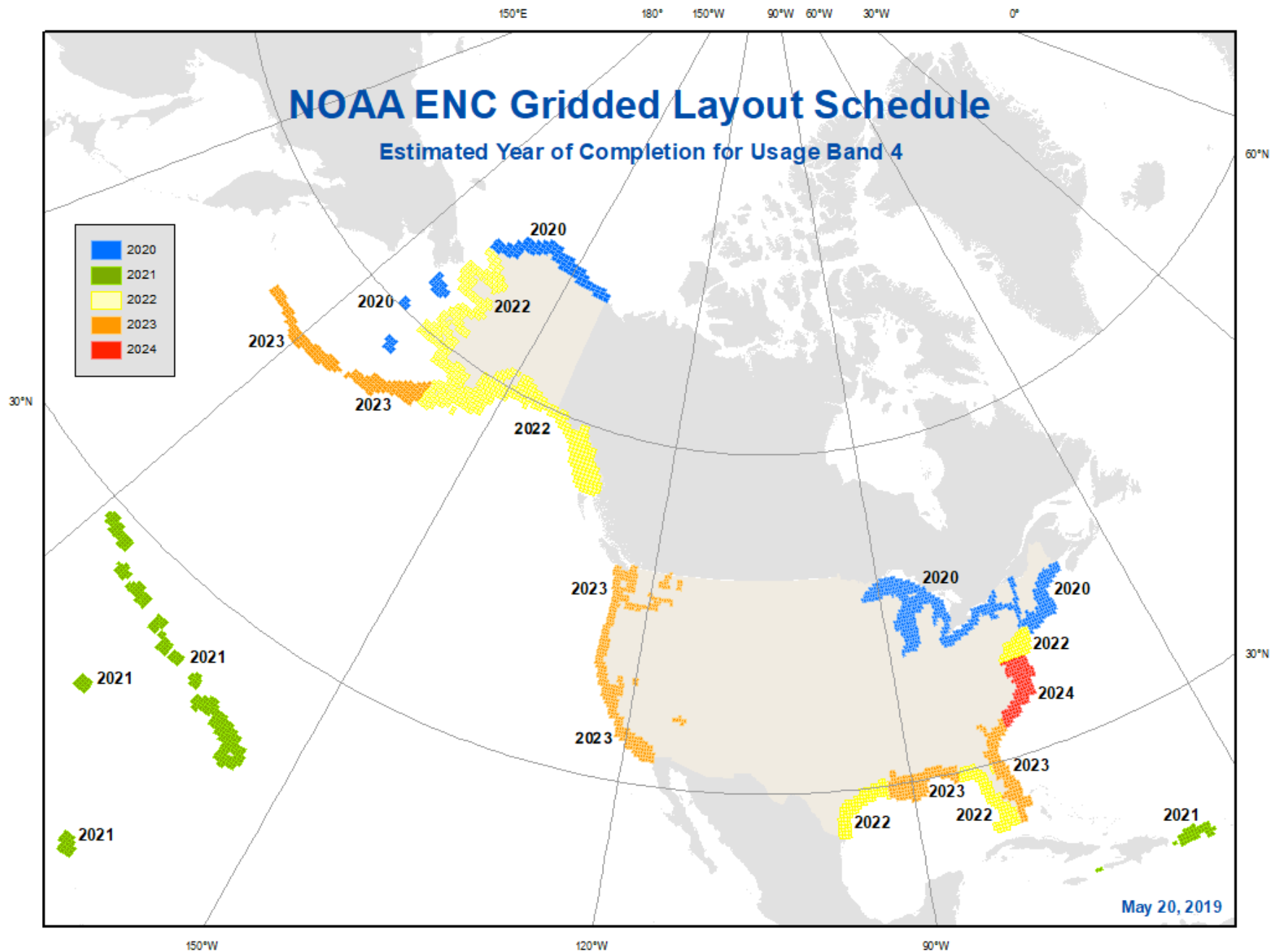
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Communications Phase

- Facilitate paper and raster chart users' transition to ENC-based products
- Discussions with current Print on Demand (POD) vendors and other companies who sell navigational products and services based on NOAA raster chart and ENC products
 - POD vendors will have a role in printing and distributing ENC-Based NOAA Custom Charts
- Regular meetings with US Coast Guard and NGA to plan for:
 - Possible changes to chart carriage requirements
 - Non-chart-based notices for aids to navigation and other change notices
- Information gathered will influence the manner and timing in which the rest of the sunset process will proceed

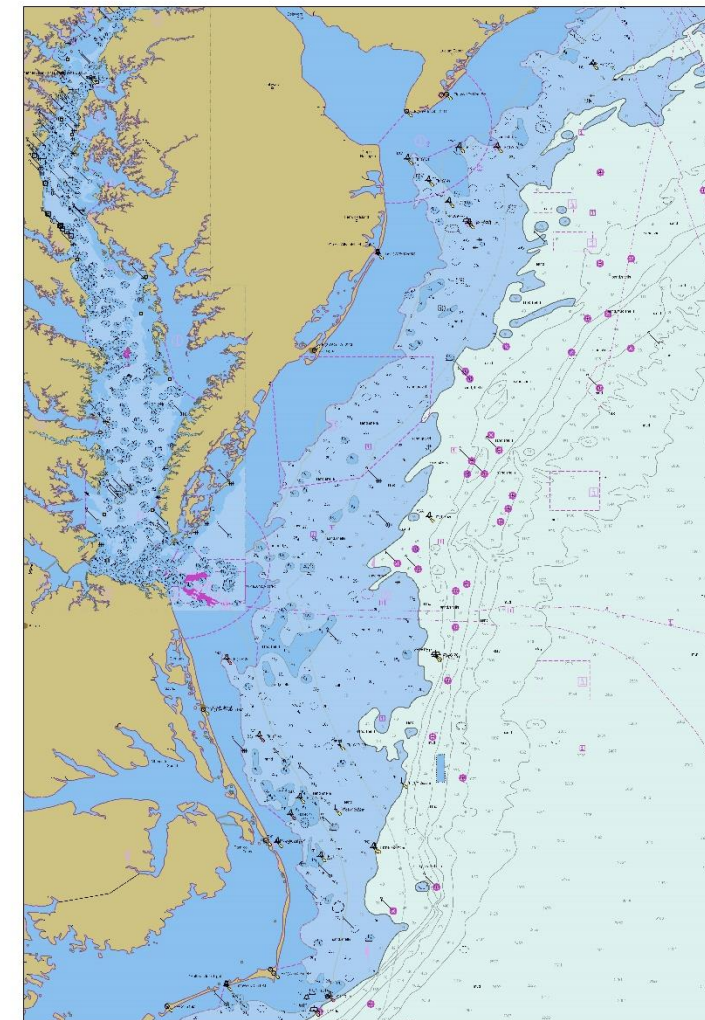


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Criteria for Cancelling Individual Charts

- New larger-scale reschemed ENC coverage is available
- Large amount of new hydrographic, shoreline, or other data is applied to a chart's corresponding ENC
- POD chart sales indicate low rate of use for a particular chart
- Some cancellations may be regionally based, especially if all or most of a particular chart's adjoining, similar-scale chart coverage is cancelled
- Other criteria may be developed as the sunseting process progresses





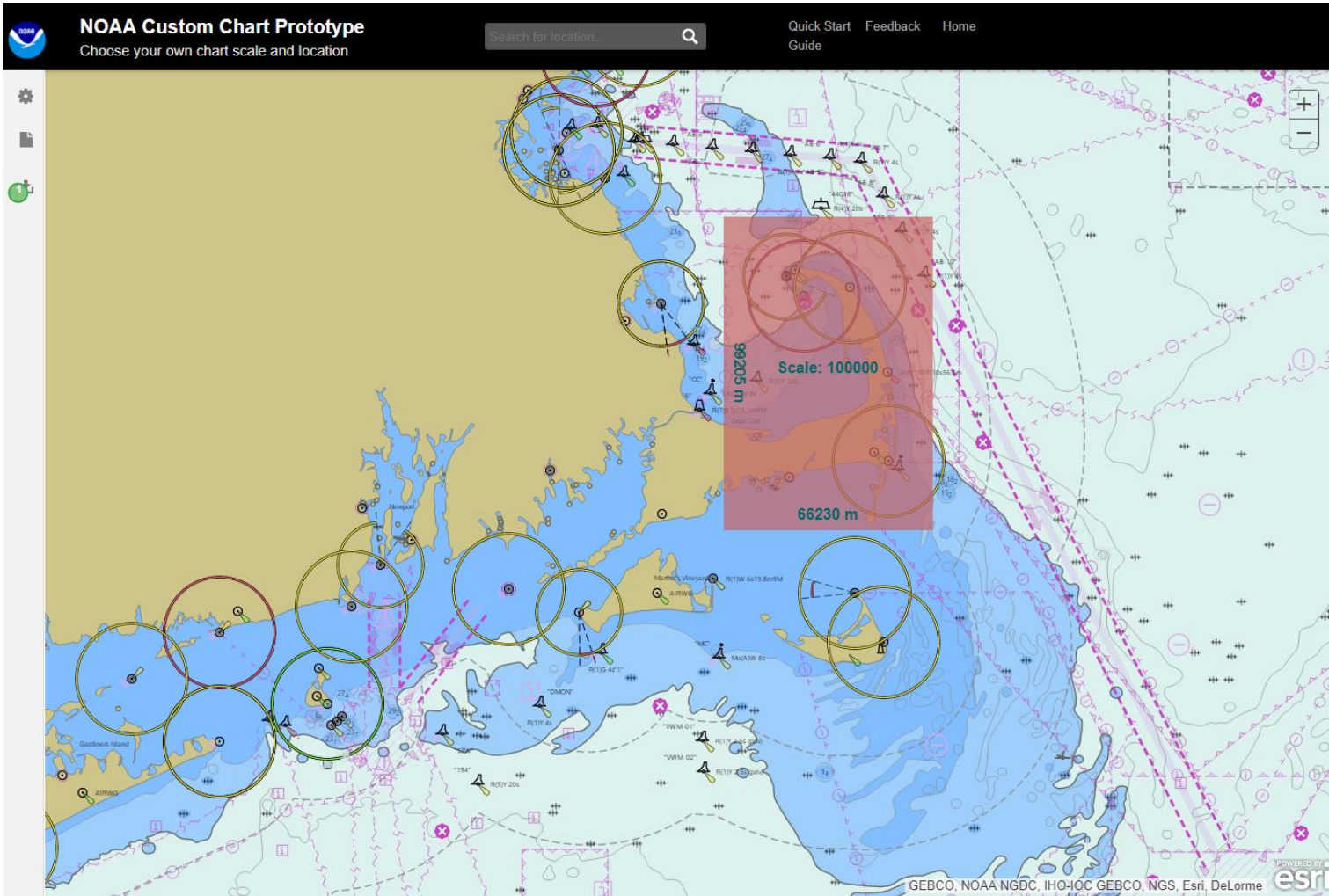
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NCWG5-12.5B INF **NOAA Custom Chart Web Application**

Colby Harmon - US (NOAA)

NOAA Custom Chart Web Application



Back up paper charts
created from ENC data

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





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Partial List of Planned NCC Improvements

- Improving the user interface
- Option to use NOAA symbology for nav aids that is more familiar to US mariners
- Pre-building a set of popular charts based on some existing standard chart footprints
- Keying information about anchorages, restricted areas, and similar features to an icon on the NCC charts and printing related information on the NCC "notes page"
- Placing CATZOC diagrams and other marginalia on the NCC "notes page"



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NOAA Chart 16204 – Port Clarence, Alaska

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