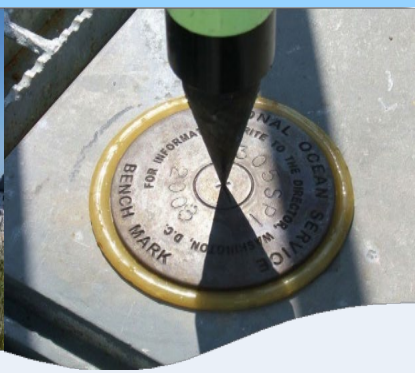
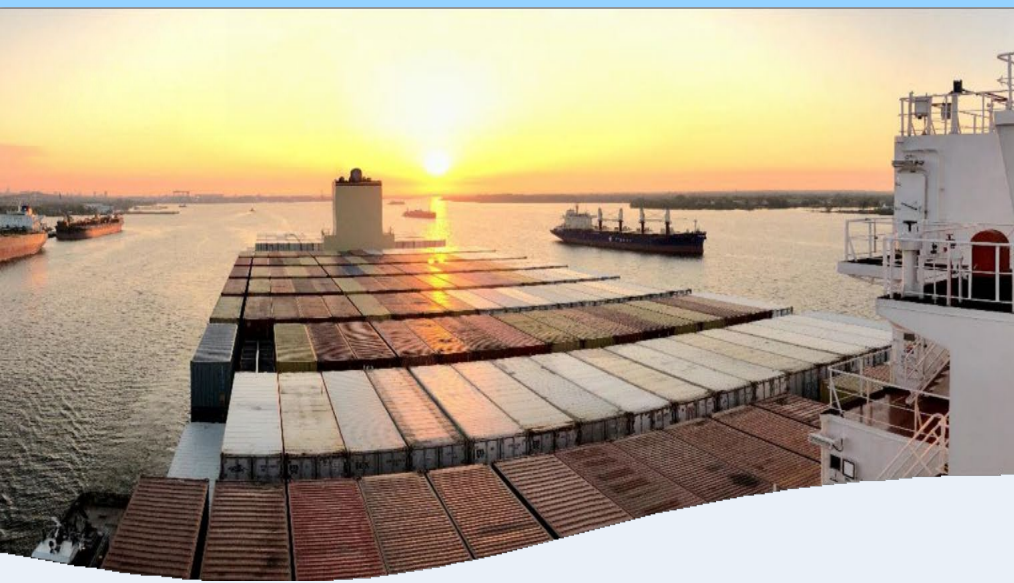




National Ocean Service

TRB Marine Board Update

**Ms. Heather Gilbert,
Office of Coast Survey, NOS, NOAA
November 2, 2022**



Administration Priorities

- Infrastructure Investment and Jobs Act (IIJA)/Bipartisan Infrastructure Law (BIL)
- Addressing the Climate Crisis
 - Future of Build Back Better
- Equity, Racial Justice and Underserved Communities



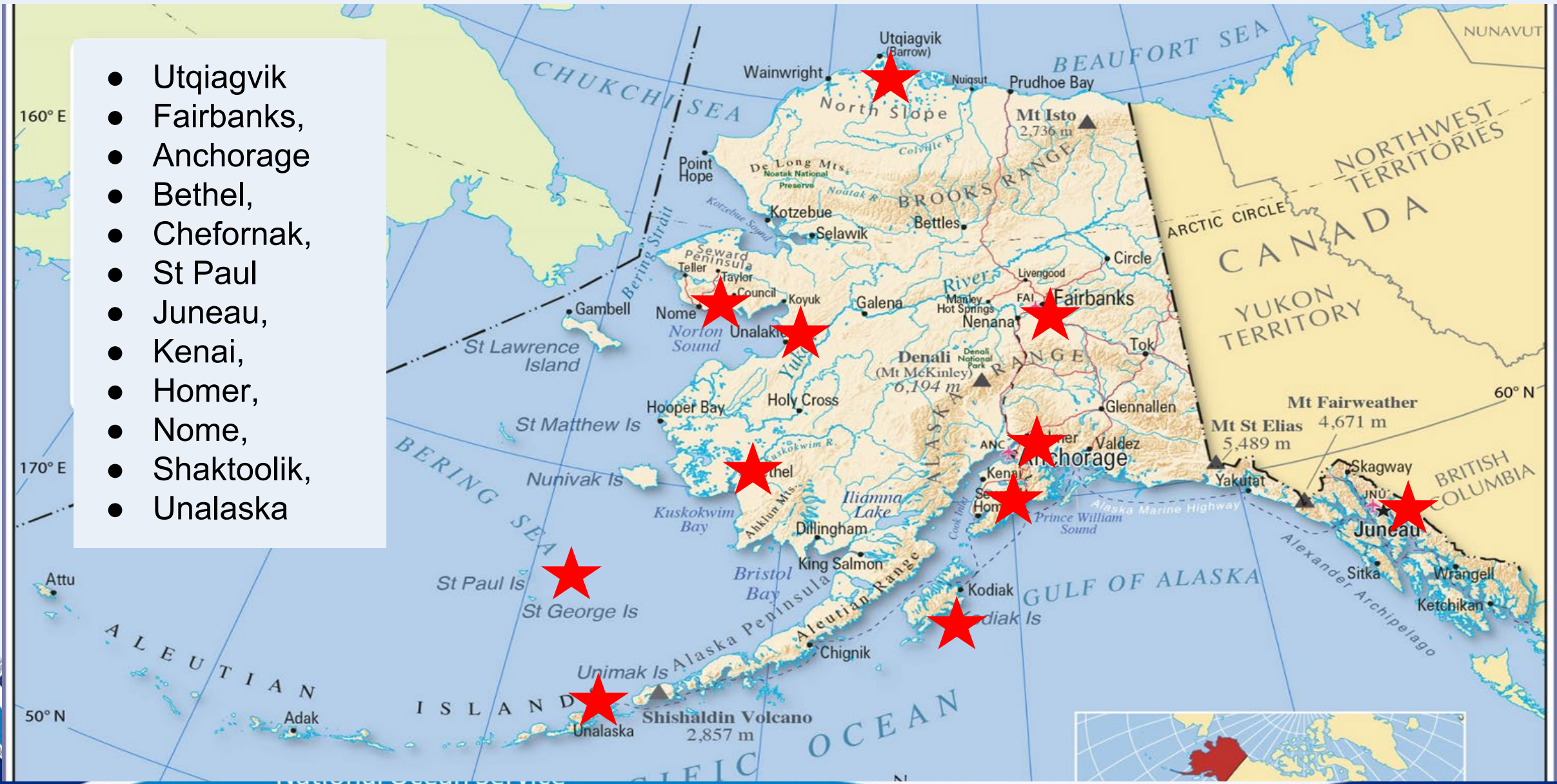
NOAA's Priorities

- Tackling the climate crisis
- Increasing equity and environmental justice
- New Blue Economy: Economic development, sustainability, and partnerships



7 Leadership Trips in August 2022

- Utqiagvik
- Fairbanks,
- Anchorage
- Bethel,
- Chefnak,
- St Paul
- Juneau,
- Kenai,
- Homer,
- Nome,
- Shaktoolik,
- Unalaska



NOAA Leadership Alaska Trip



Marine Exchange of Alaska

Partnerships with IOOS, NWS;
Lightering

USCG District 17

Courtesy meeting; IUU Fishing

National Weather Service

Workforce shortages, recruiting
Alaskans

NOS Navigation Services

Lack of foundational data is #1
equity issue

Inability to provide people what
they need

Time from acquisition to chart;
Navy data

Getting White House interagency
briefings to NOAA Climate
Leadership



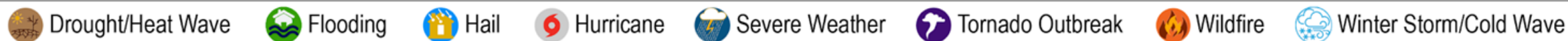
RICHARD Cruise

Rainier Integrates Charting, Hydrography, And Reef Demographics
([RICHARD](#))

- [Reef assessment and habitat mapping in the Marianas](#) (TP - highlighting the importance of the



U.S. 2022 Billion-Dollar Weather and Climate Disasters



This map denotes the approximate location for each of the **15 separate billion-dollar weather and climate disasters** that impacted the United States January – September of 2022.

Hurricane Ian

Extreme Water Levels
During Hurricane Ian

Aerial surveys

Regional Navigation
Managers

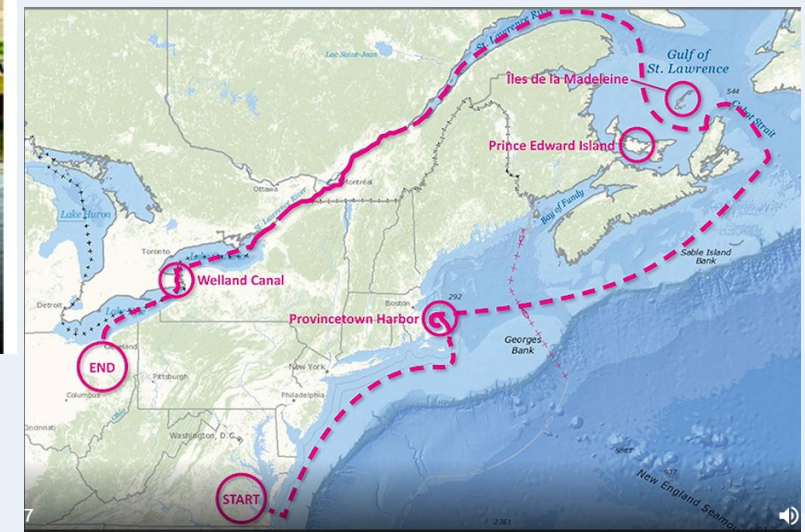
Hurricane Ian Damage
Assessment



Great Lakes Hydrographic Surveys



Great Lakes Hydro
Surveys aboard the
NOAA Ship Thomas
Jefferson



Kitsap PORTS®

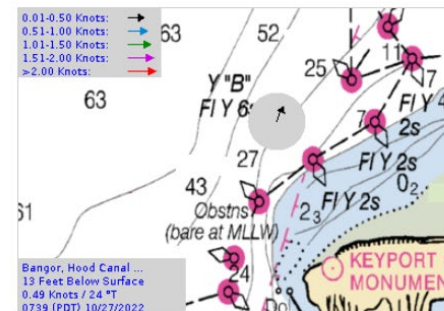
- [Kitsap PORTS](#) -NOAA's 37th system-operational in June 2022
- Partnership between NOAA and U.S. Navy
- Added two current meters and one water level/meteorological station
- Third-largest U.S. Navy installation and provides base operating services to submarines, aircraft carriers, Puget Sound Naval Shipyard and the largest fuel depot in the Continental U.S.



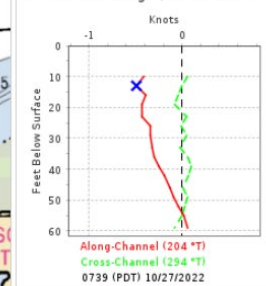
PORTS®: ks0201 Bangor, Hood Canal LB B

Summary Composite All Currents 3 Days Currents

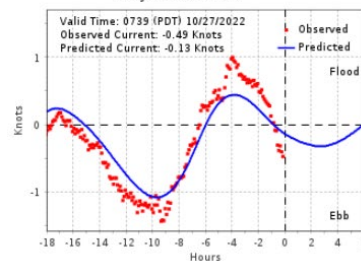
0.01-0.50 Knots: → 63
0.51-1.00 Knots: → 52
1.01-1.50 Knots: → 25
1.51-2.00 Knots: → 11
>2.00 Knots: → 7



Currents at Bangor, Hood Cana...



Currents at Bangor, Hood Canal LB B
Along-Channel (204 *T)

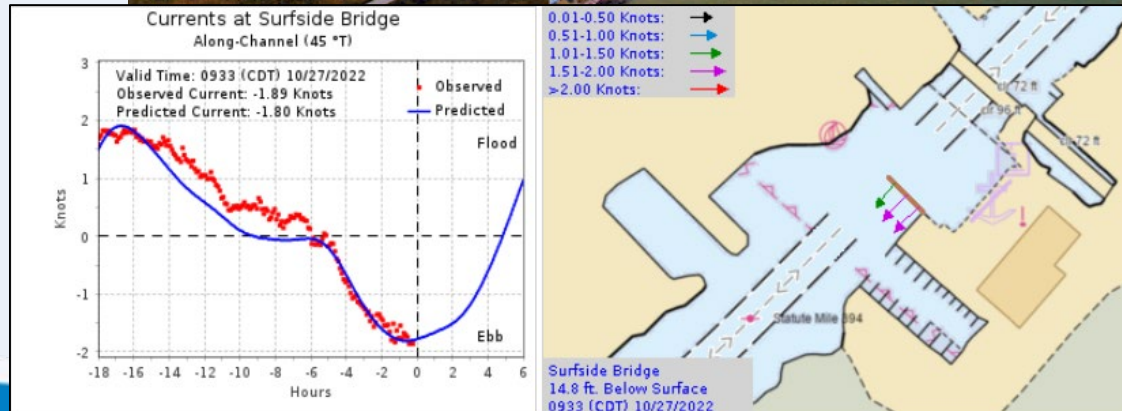


Freeport PORTS®

- [Freeport PORTS](#) -NOAA's 38th system-operational in October 2022
- Partnership between NOAA and Port Freeport
- Added two current meters and integrated one existing NOAA NWLON
- This will greatly increase the navigation safety of vessels entering and exiting Port Freeport
- Large LNG seaport



 PORT FREEPORT



NOAA's Hydrographic Services Review Panel (HSRP)

- The HSRP is a federal advisory committee that advises the NOAA administrator on navigation, physical oceanographic, geospatial, positioning, and coastal and shoreline programs, products, and services.
 - Fall meeting in Oahu, HI from Sept. 20-22
 - Spring meeting is in San Juan, PR from Feb 28 to March 2
- The meeting had updates on NOS's navigation observations and positioning portfolio, and discussions on Pacific mapping, and challenges from flooding and sea level rise.
 - Stakeholder session discussed navigation data, ports, harbors, and the supply chain in Hawaii. Meeting outputs are expected to focus on coastal resilience and public private partnerships.



NOAA Raster Chart Status as of September 1, 2022

Current Status

Canceled 180

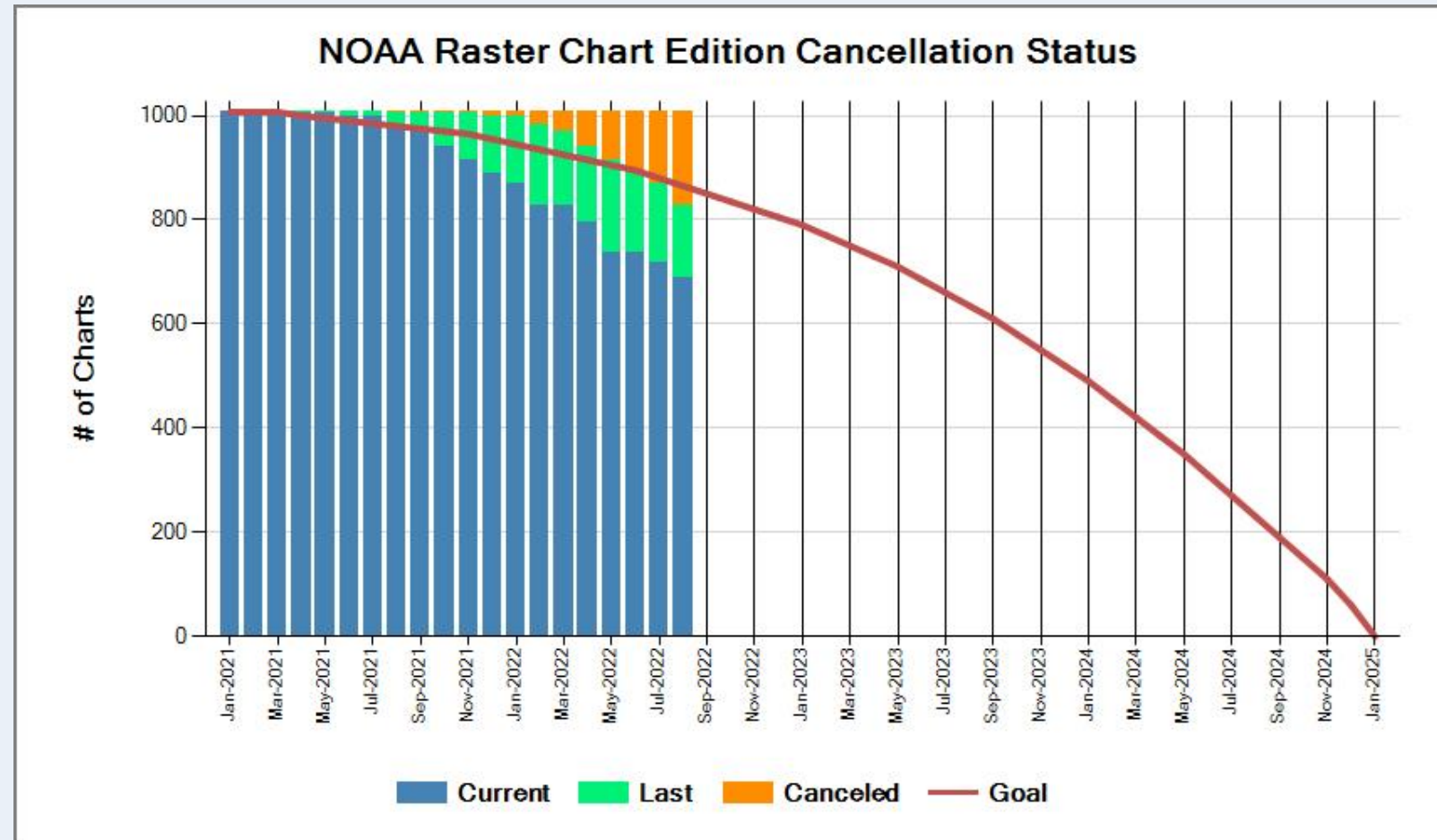
Last Edition + 168

Subtotal 348

Active Charts + 659

Total 1007

18% canceled
17% last editions



659 charts / 21 months = 31 last editions per month through June 2024 to complete sunset by Jan 2025.



Thank You
