

National Geodetic Survey

Director's Update to the HSRP

Juliana Blackwell, Director
National Geodetic Survey

Hydrographic Services Review Panel Virtual Meeting

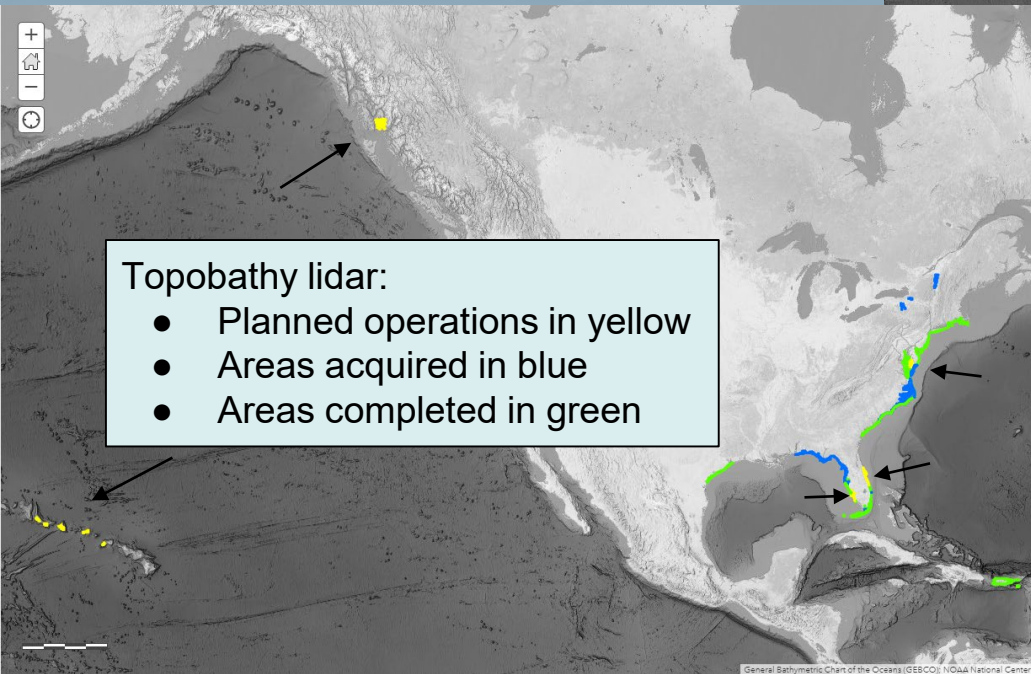
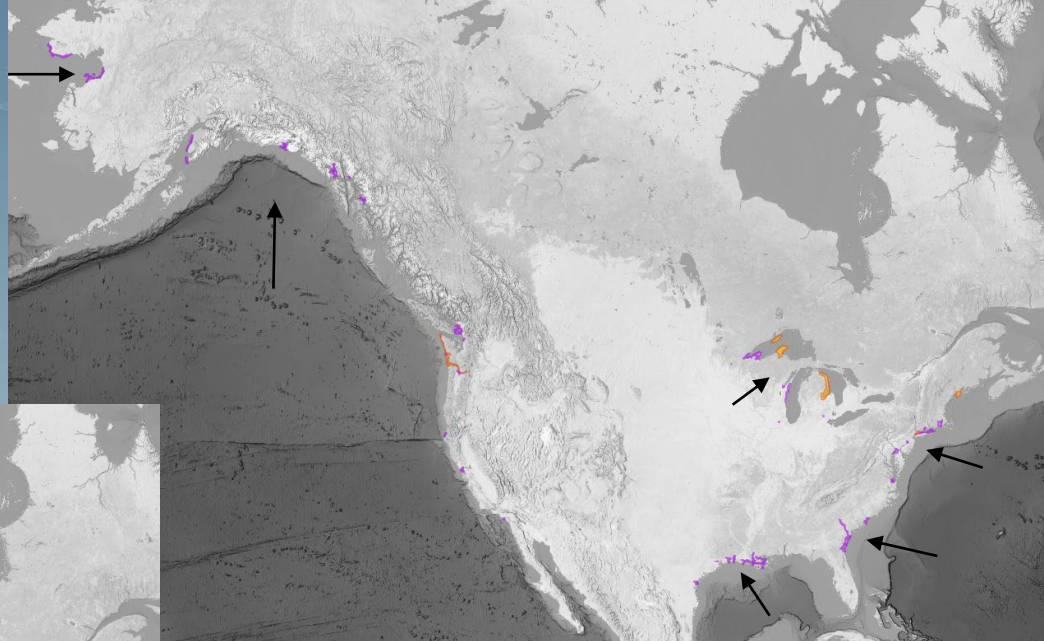
March 9, 2022



Supplemental Funding Opportunities

- Coastal Mapping Program: (Support to NWS/NWC)
 - Shoreline imagery
 - Topobathy lidar surveys
- Additional support for GRAV-D
- Vertical Land Motion: (CO-OPS collaboration)
 - Foundation CORS
 - Deformation Model

FY22 Photogrammetry and Topobathy Lidar Operations



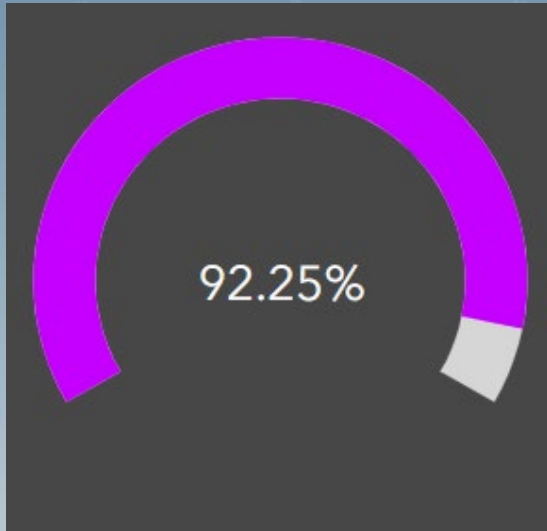
Topobathy lidar:

- Planned operations in yellow
- Areas acquired in blue
- Areas completed in green

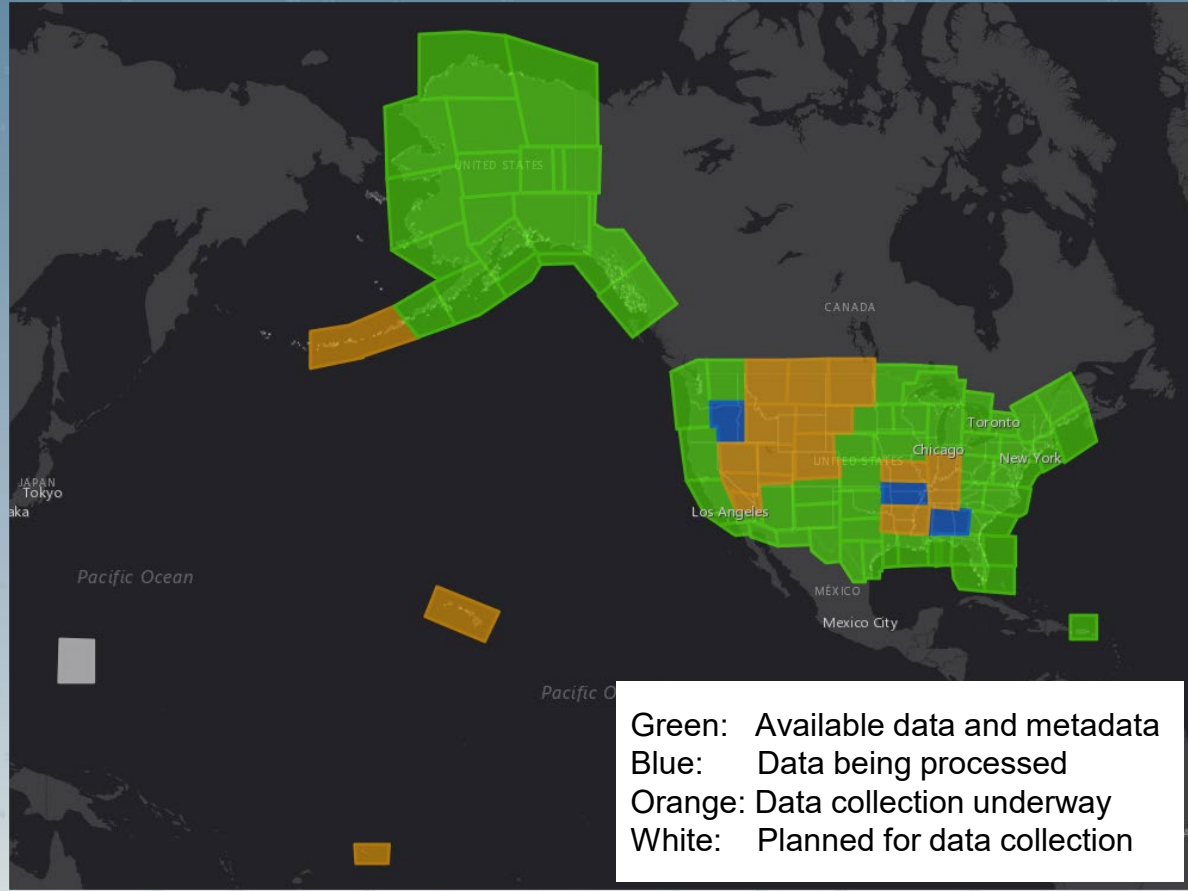
FY22 Photogrammetry:

- Planned operations in purple
- Areas in planning in orange

GRAV-D Update



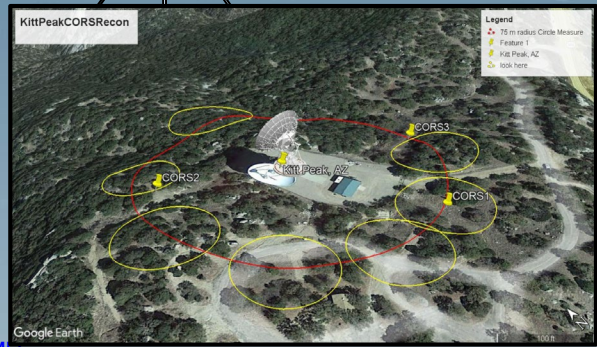
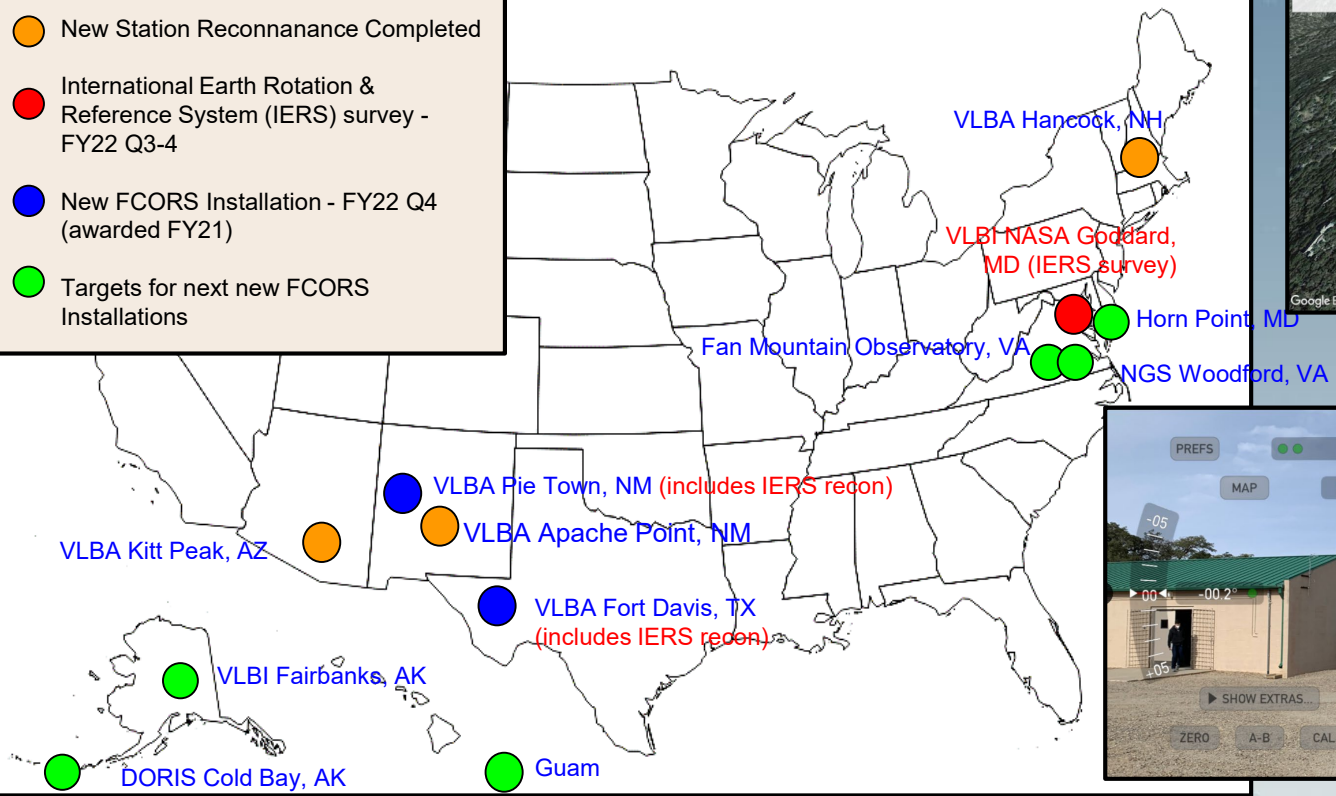
% of Target Area
Collected as of
March 1, 2022



Foundation CORS Update



- New Station Reconnaissance Completed
- International Earth Rotation & Reference System (IERS) survey - FY22 Q3-4
- New FCORS Installation - FY22 Q4 (awarded FY21)
- Targets for next new FCORS Installations



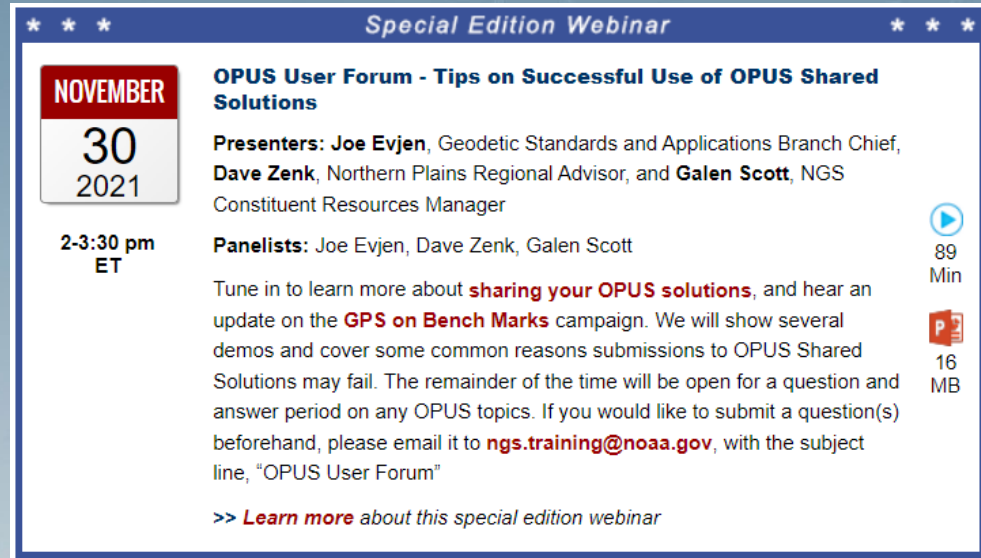
Site Reconnaissance at Very Long Baseline Array (VLBA) Kitt Peak, AZ



OPUS Update

OPUS Projects 4.0 enables users to Bluebook GPS projects. A new User Manual has been released and training material is in development.

A BETA version of OPUS Projects 5.0 is now available for testing. This allows users to add RTK/RTN observations to their Bluebook projects using the new GVX vector exchange file format.



The screenshot shows a webinar registration window with a blue header and a white content area. The header contains three stars and the text 'Special Edition Webinar'. The content area is divided into several sections: a date box for 'NOVEMBER 30 2021', a time box for '2-3:30 pm ET', a title for the webinar, presenter and panelist information, a description of the webinar content, and a link to learn more. On the right side, there are icons for a play button, a document, and a file size of '16 MB'.

Special Edition Webinar

NOVEMBER 30 2021

2-3:30 pm ET

OPUS User Forum - Tips on Successful Use of OPUS Shared Solutions

Presenters: Joe Evjen, Geodetic Standards and Applications Branch Chief, Dave Zenk, Northern Plains Regional Advisor, and Galen Scott, NGS Constituent Resources Manager

Panelists: Joe Evjen, Dave Zenk, Galen Scott

Tune in to learn more about **sharing your OPUS solutions**, and hear an update on the **GPS on Bench Marks** campaign. We will show several demos and cover some common reasons submissions to OPUS Shared Solutions may fail. The remainder of the time will be open for a question and answer period on any OPUS topics. If you would like to submit a question(s) beforehand, please email it to ngs.training@noaa.gov, with the subject line, "OPUS User Forum"

[>> Learn more](#) about this special edition webinar

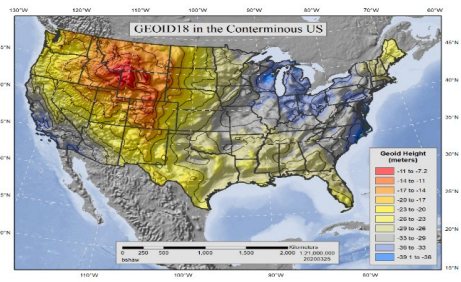
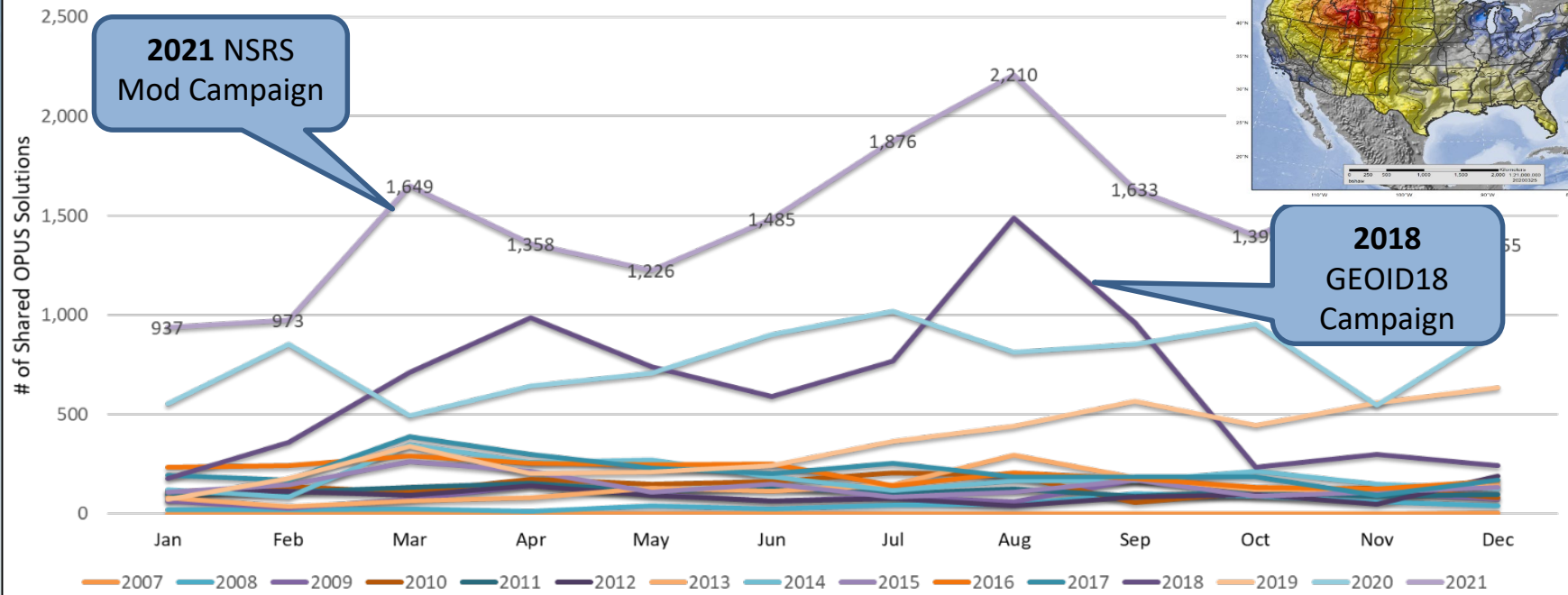
89 Min
16 MB

Next User Forum will focus on using RTN data in OP 5.0

GPS on Bench Marks - Driving a Surge in Shared OPUS Solutions

Modernized NSRS will be realized through shared GNSS data

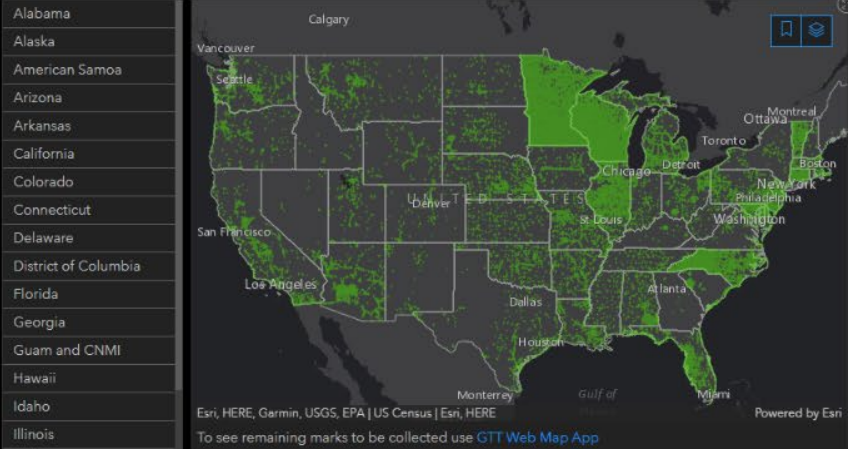
Shared OPUS solutions, by Month & Year



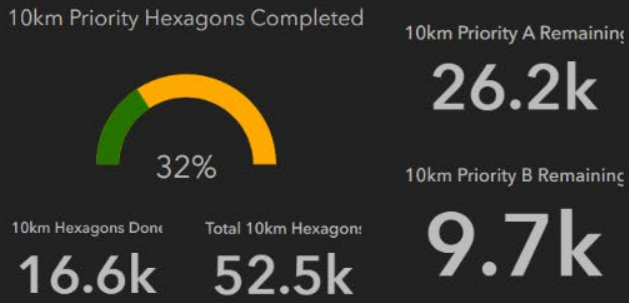
GPSonBM - Transformation Tool Progress Dashboard

tinyurl.com/2s36ebbj

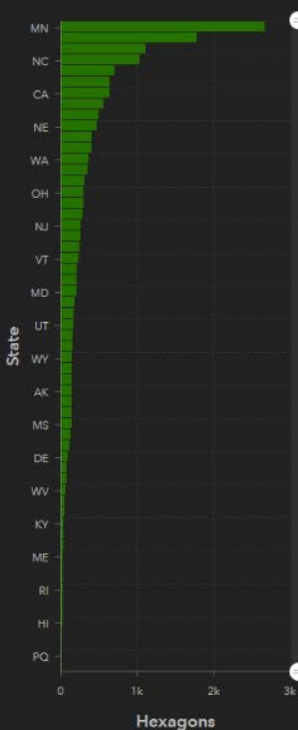
GPS on Bench Marks for the Transformation Tool Progress Dashboard NOAA's National Geodetic Survey



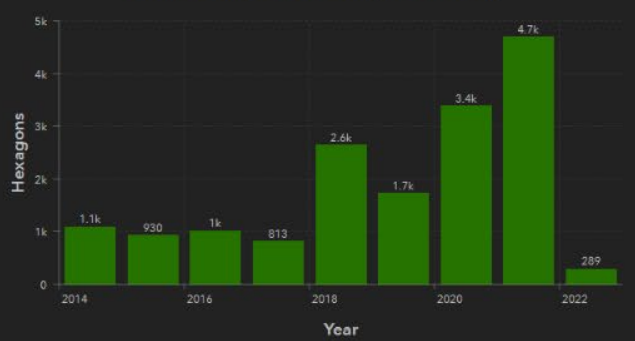
- Alabama
- Alaska
- American Samoa
- Arizona
- Arkansas
- California
- Colorado
- Connecticut
- Delaware
- District of Columbia
- Florida
- Georgia
- Guam and CNMI
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- Kentucky
- Louisiana
- Maine
- Maryland
- Massachusetts
- Michigan
- Minnesota
- Mississippi
- Missouri



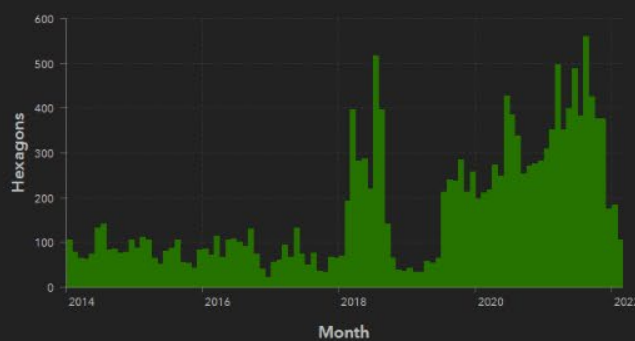
10 km Completed by State



10 km Completed Hexagons Annually



10 km Completed Hexagons Monthly



Selection

10km Indicators 2km Indicators

10km Charts 2km Charts

Stakeholder Feedback

NGS is actively seeking input from customers and stakeholders on the products we provide and those we are developing for the Modernized NSRS.

In email announcements and during presentations we encourage people to let us know what they think via NGS.Feedback@noaa.gov

On our website, geodesy.noaa.gov, we have added a series of Feedback Badges across the site that lead to customized surveys. All feedback is synthesized and discussed with product development teams.

