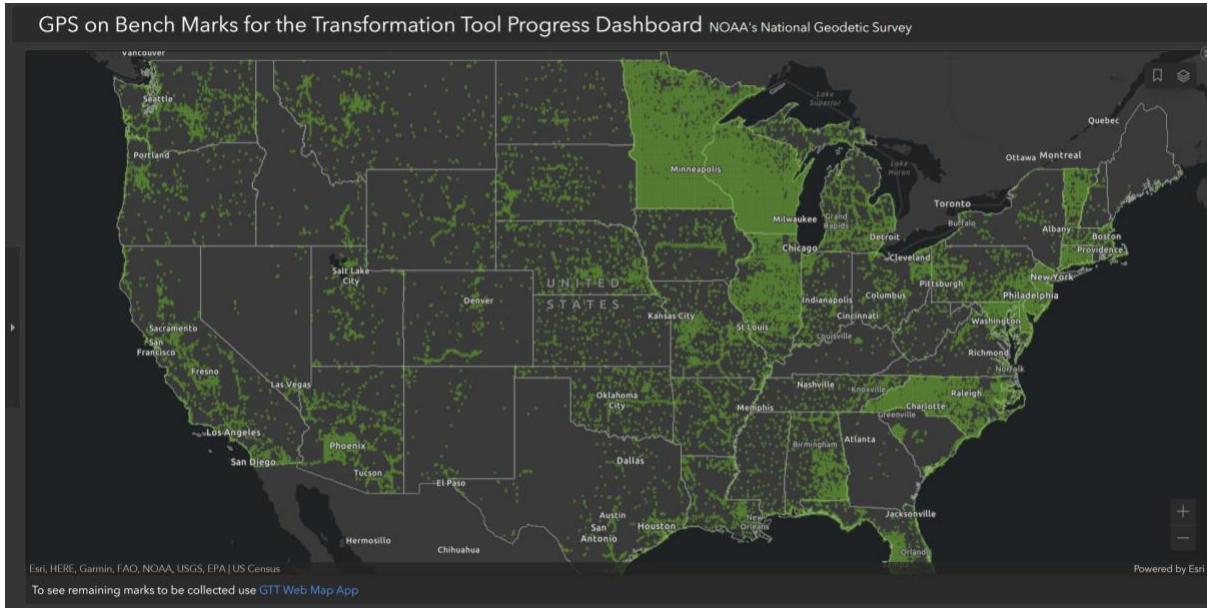


GPS on Benchmark update October 2022



GPS on Benchmarks dashboard showing completed 10km hexagons

California is now at 35% complete on the 10km priority hexagon goals and 42% complete on the 2km hexagon goals. Progress has been picking up lately with Caltrans District 1 submitting a number of observations along the North coast, Caltrans District 8 has started submitting observations, Philip Melcher of Provost & Pritchard continues to be very prolific, Orange County is going to submit some, Ventura County has submitted some and will submit some more, Sacramento County has submitted a good number of observations on benchmarks, with many more surveyors participating.

The Central Coast Chapter of CLSA has had a great volunteer program:

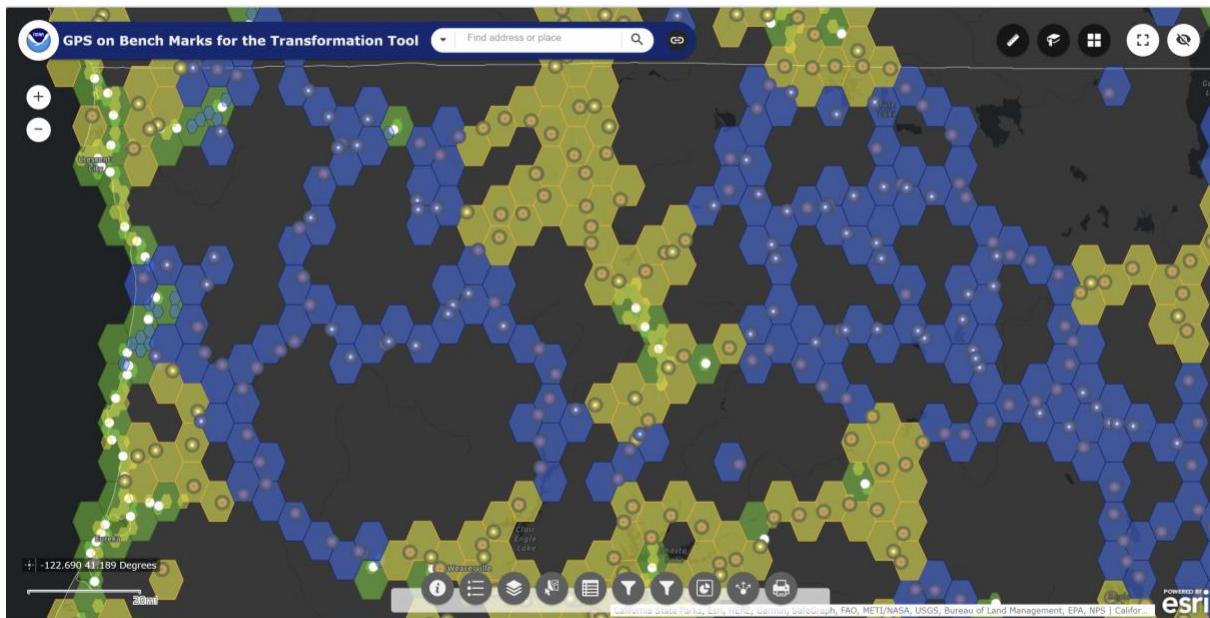
<https://www.centralcoastclsa.org/index.php/gps-on-benchmarks/>

The big news with the GPS on Benchmarks program [GPS on Bench Marks \(noaa.gov\)](https://www.noaa.gov/gps-on-benchmarks) is that the deadline to submit data for inclusion in the NAVD88 to NAPGD2022 Transformation Tool is going to be extended through September of 2023. This decision was pending NGS testing on if the additional data will affect the delivery of the Reference Epoch Coordinate (REC) adjustment. Results indicate that the additional data will not adversely affect achieving goals for publishing the Modernized NSRS in 2025.

Up to recently, I've been concentrating on San Diego County where I used to work. The San Diego Chapter of CLSA had a good start with the GEOID18 program, and Caltrans District 11, the City of San Diego, the County of San Diego and others have contributed to the GPSonBMs for the Transformation Tool current effort. Caltrans D11 surveyor Anthony Leimeister is to be commended for incorporating GPSonBMs priority marks into his regular project control work.



With the 10km hexagon priority marks becoming fewer in number and harder to get in San Diego County, I began picking up more 2km priority marks. With most of those requiring 2 observations, I've decided to branch out and get more 10km priority marks in Riverside/ San Bernardino Counties that require only a single observation to complete the 10km hexagon, so that my efforts can be more productive to the State as a whole.



North portion of the State showing Completed hexagons and Benchmarks (green and white). Population Priority layers showing Priority A in yellow and Priority B in blue.



NGS GPSonBMs map zoomed into the Bay Area showing completed hexagons and benchmarks in the Sacramento area in green (white symbols are completed benchmarks) and many Priority A hexagons with benchmarks requiring one more GPS observation to complete (yellow symbols with red centers).

Steven J. Martin

October 6, 2022