SANDAG 3D Regional Basemap

SDRGC May 2021

SANDAG

LiDAR

- 2014: Regional Imagery Acquisition Partnership, via USGS GPSC contract

- 2015: FEMA via STARR II federal contract

- 2016/2017: SANDAG – County of San Diego / USGS 3DEP grant
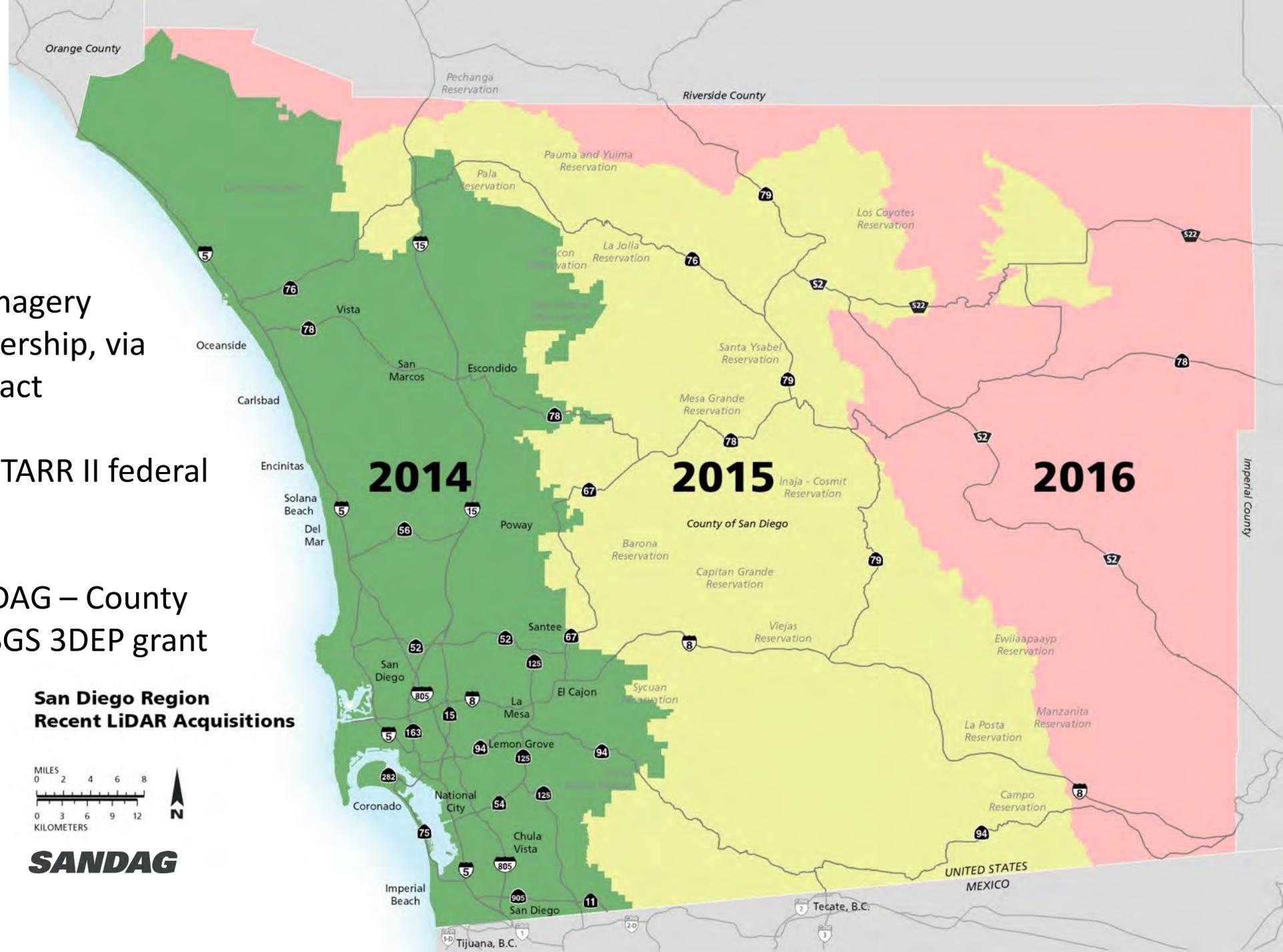
San Diego Region Recent LiDAR Acquisitions
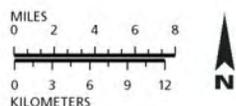
SANDAG

Imagery

- 2017 Regional Imagery Acquisition Partnership

- Regionwide 9" imagery
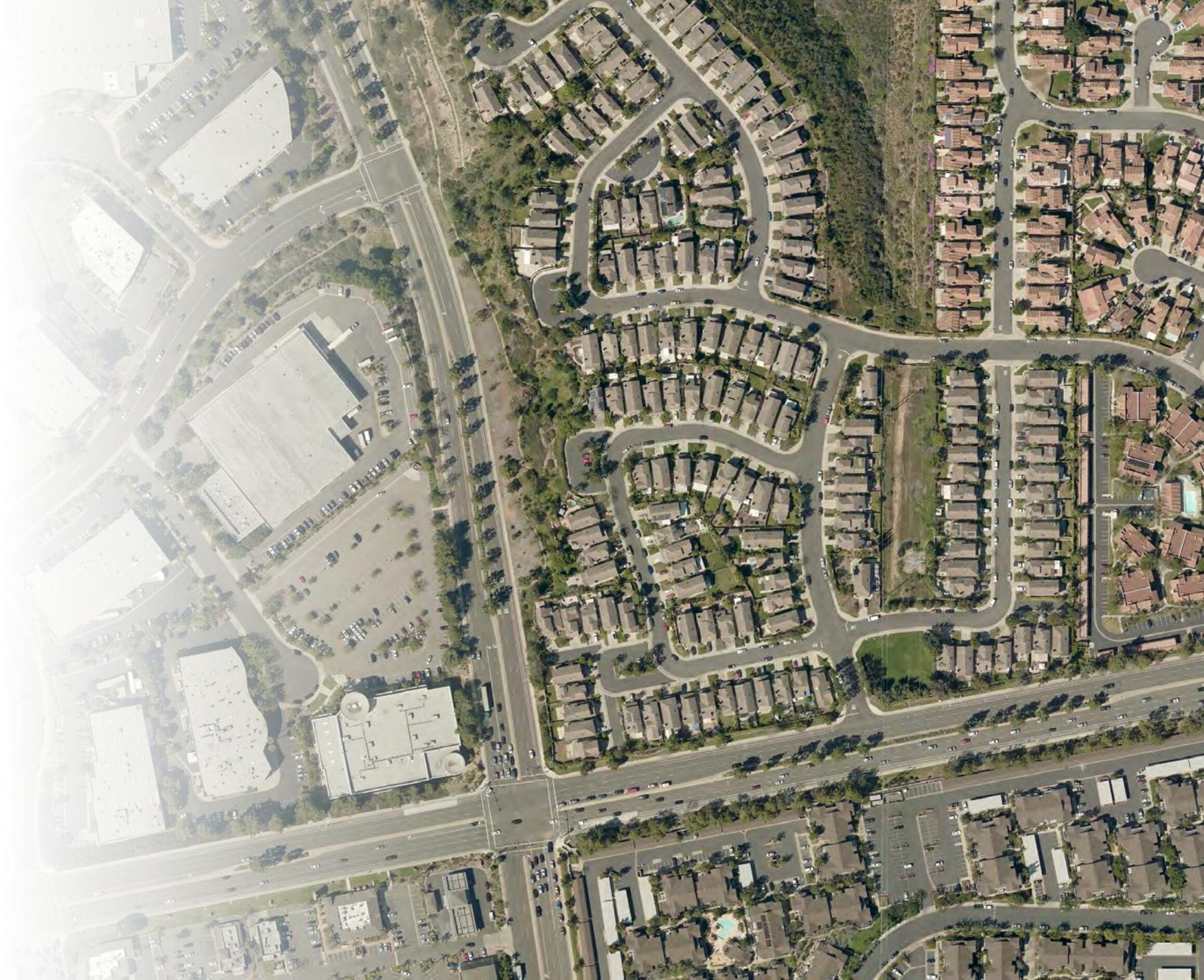
Building Outlines

- SANDAG executed a contract with EagleView/Pictometry to delineate based on 2017 imagery

- Currently using Image Analyst and deep learning modules to produce annual updates based on Nearmap imagery

3D Basemap Creation

- SANDAG contracted with Esri to generate 3D basemap from LiDAR, outlines, and tree canopy inputs

- Processing entire region was resource intensive

- Training on ArcGIS 3D Basemap Solution processing and editing

Next Steps

- Data review and cleanup

- Publicly available in early summer

- Long term: update using new building footprints and future LiDAR acquisitions