

An aerial 3D rendering of a city, showing a dense grid of white buildings and roads. The perspective is from a high angle, looking down on the city. The buildings are represented as simple white blocks, and the roads are shown as dark grey lines. The overall scene is a detailed, top-down view of an urban environment.

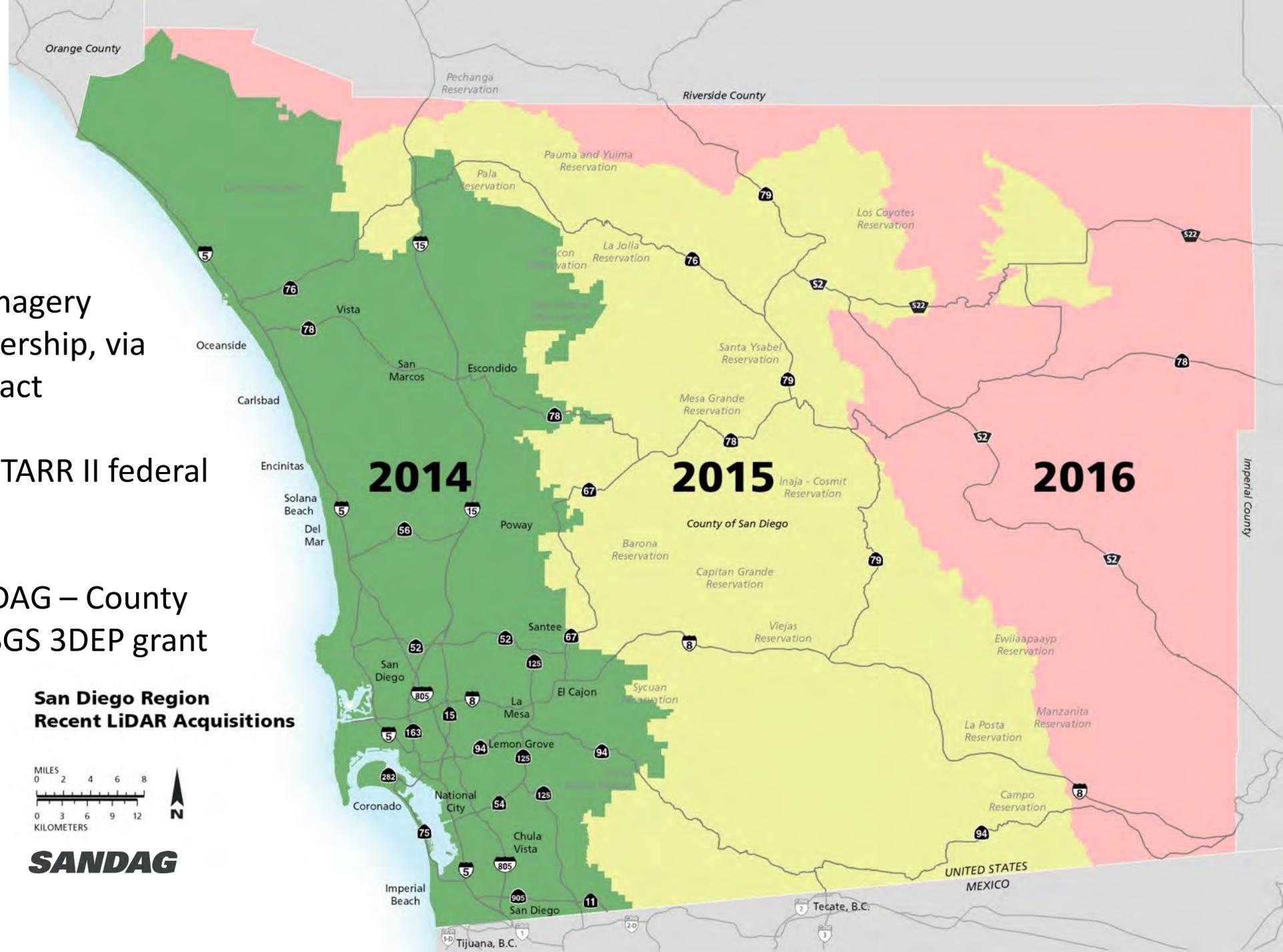
SANDAG 3D Regional Basemap

SDRGC May 2021

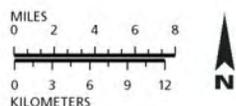
SANDAG

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



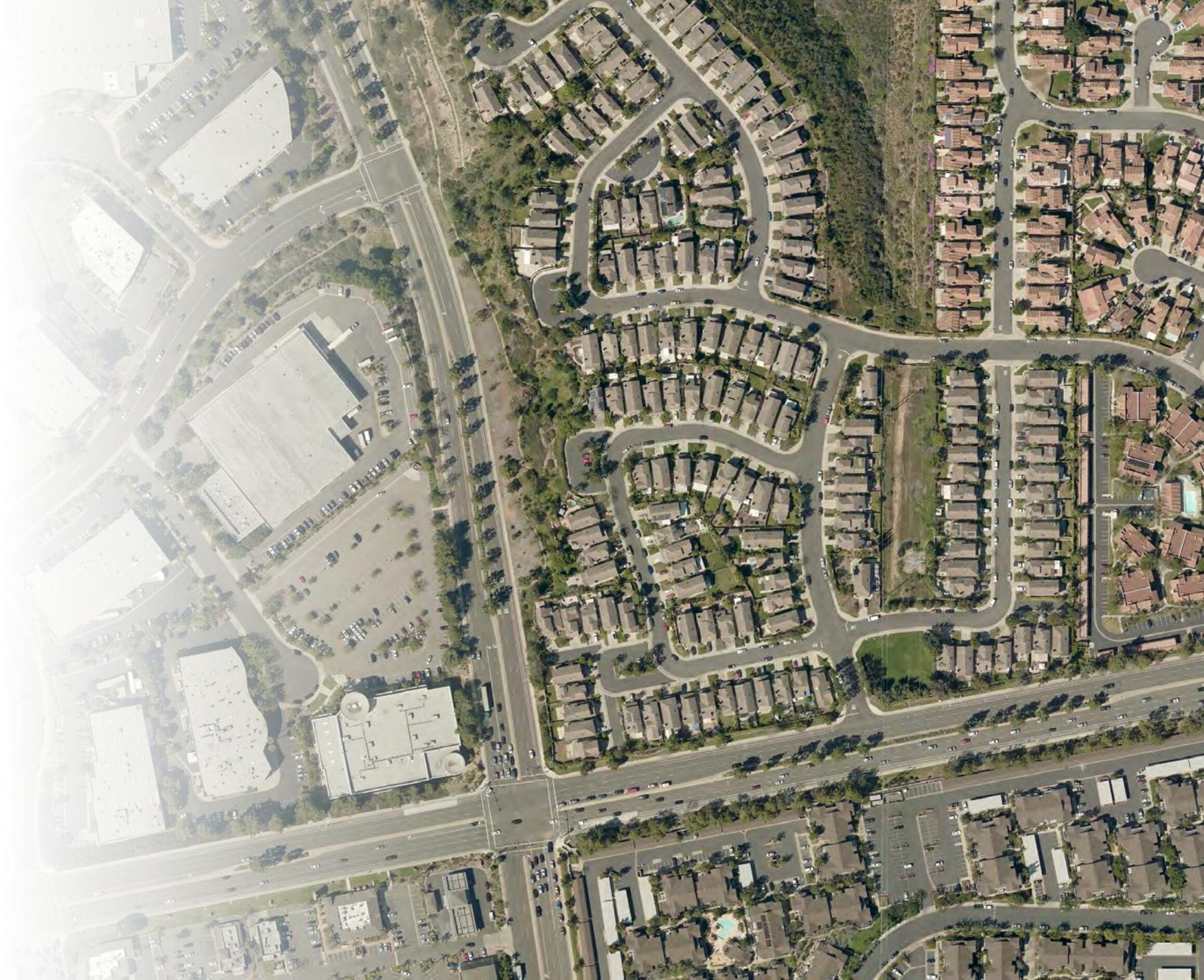
**San Diego Region
Recent LiDAR Acquisitions**



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

