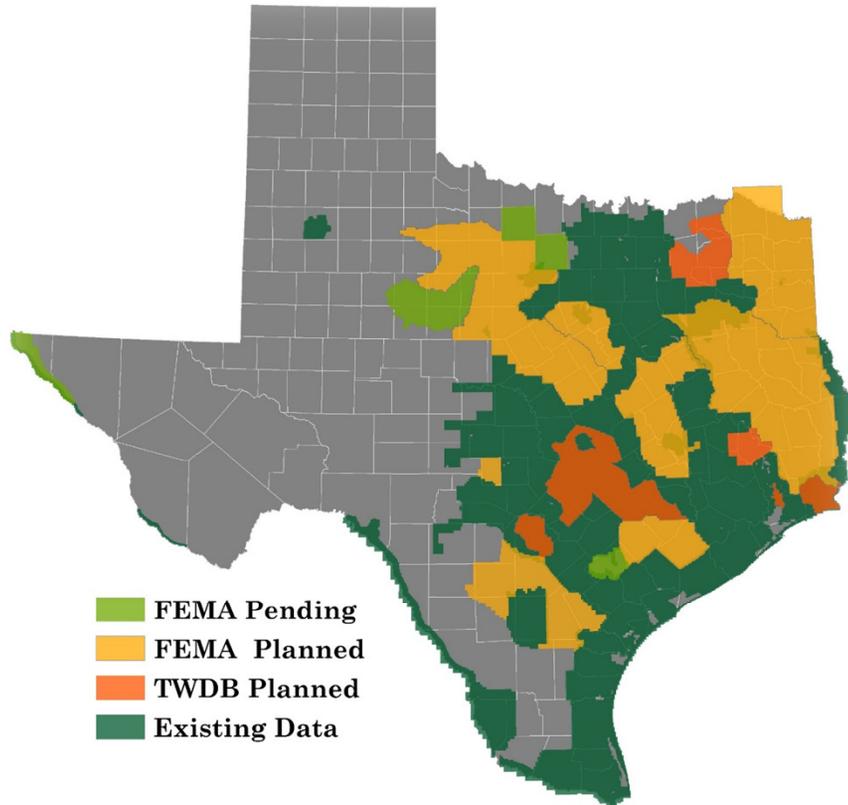


Lidar Initiatives and Coordination in Texas



Texas 2016-2017 Lidar Acquisitions



TWDB and StratMap partners are acquiring 11,000 square miles winter 2016-2017

FEMA is acquiring over 50,000 square miles winter 2016-2017

StratMap Lidar for Texas Winter 2016-2017 Update

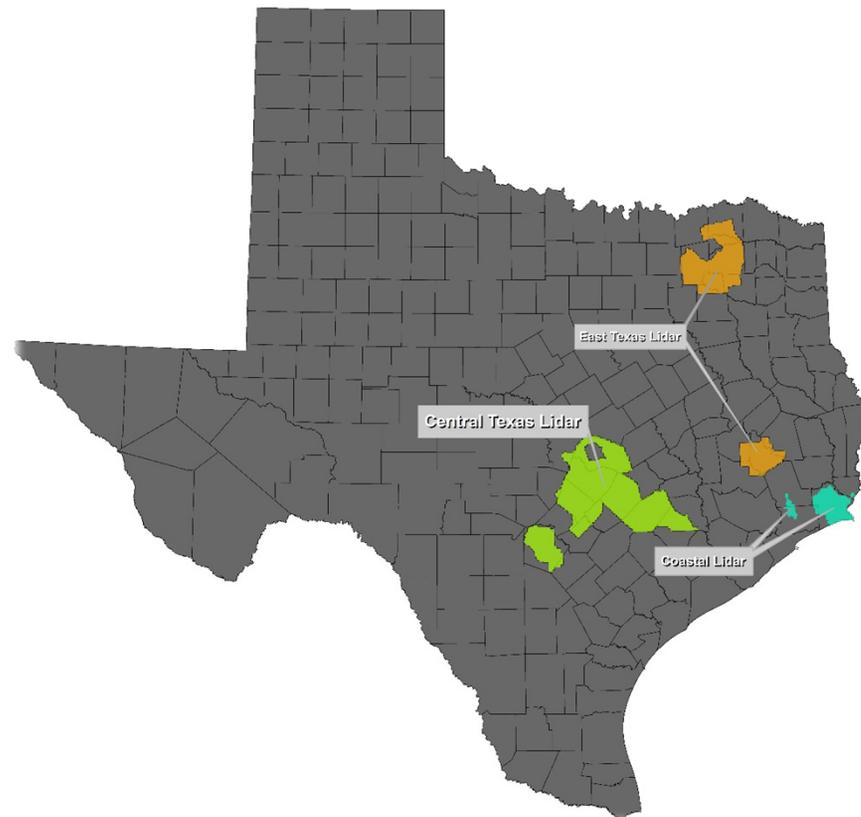
Central and East Texas Projects were awarded grants from the USGS 3-D Elevation Program (3DEP) totaling over \$600,000.00 from federal partners. Projects are currently being acquired.

Coastal Lidar Project proposals have been evaluated and acquisition will occur starting in February.

Delivery is anticipated for Fall-Winter 2017. Data will be publically available via TNRIS.org for free.

StratMap Partners 2016-2017

- Texas Commission on Environmental Quality
- San Antonio River Authority
- Trinity River Authority
- Williamson County
- City of San Marcos
- City of Round Rock
- U.S. Fish and Wildlife Services
- USGS
- Natural Resources Conservation Service



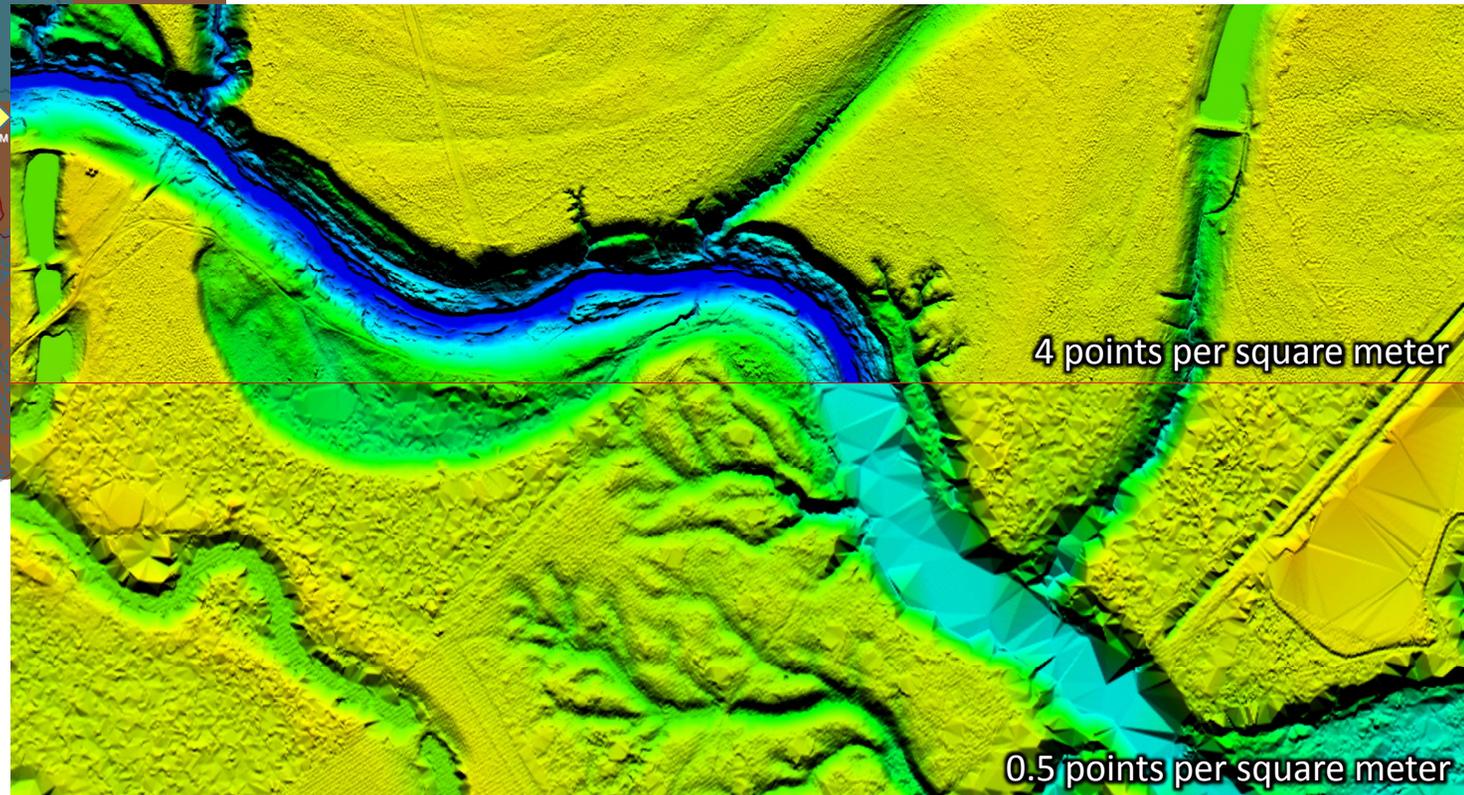
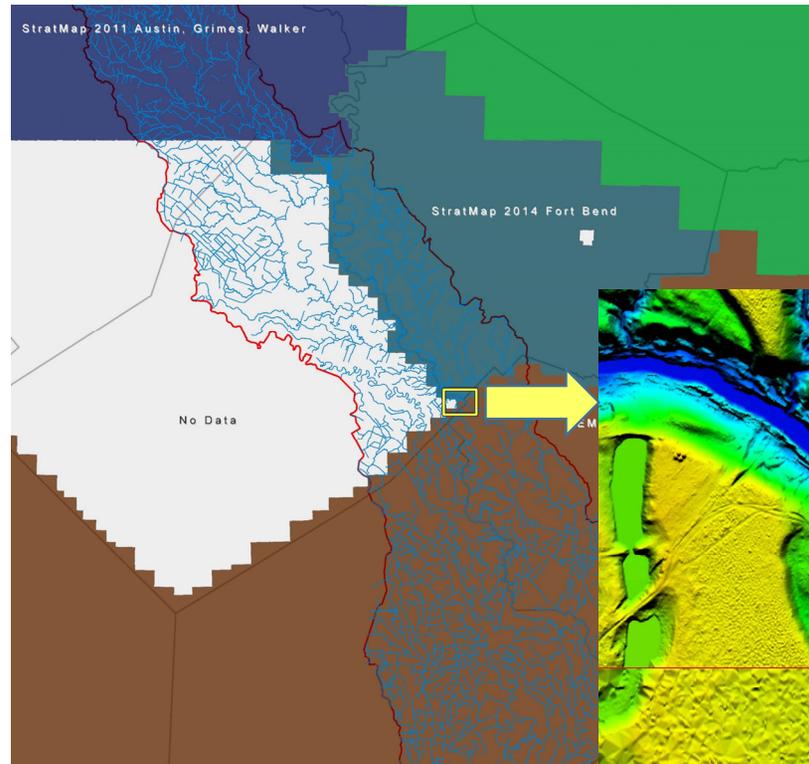
Strat Map Lidar Standards

- Classifications for low/medium/high vegetation, building, water, removed water, bridges and culverts
- Third party QA/QC from start to finish to ensure high quality and accuracy data standards.
- TNRIS is actively working to establish standards for Texas lidar in format and quality to insure collections can be effectively combined for regional studies

TNRIS	USGS QL2
0.5m NPS/4 ppsm	0.71m NPS/ 2 ppsm
RMSEz 10cm (non-vegetated)	RMSEz 10cm (non-vegetated)
Classifications: 1,2,3,4,5,6,7,9,10,13,14	Classifications: 1,2,7,9,10,17,18

The State LiDAR specification is modeled very closely to the USGS LiDAR Specification version 1.2 and the ASPRS Positional Accuracy Standards for Digital Geospatial Data

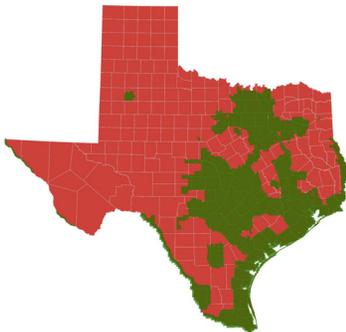
Quality Differences and a Need for Standards



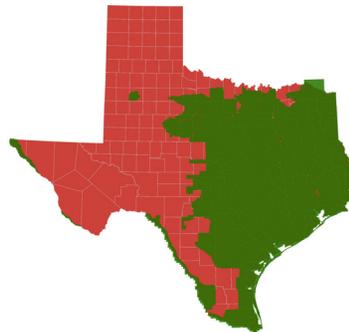
StratMap Lidar for Texas 2017-2018

- Texas currently sits at 50% coverage for lidar data.
- Population of over 1.5 million don't have lidar for their area.
- TWDB is committed to StratMap acquisitions and is actively seeking funding sources to support these efforts
- Planning for the 2017-2018 Winter acquisitions start now. Contact us through our 2017-2018 Lidar Project Page coming at the beginning of February.

2015-2016 coverage



2016-2017 coverage



2017-2018 coverage

