

Geographic Information Officer Report – Richard Wade

- GIO Report overview
- GIS Solution Group
- Community Meetings
- National State Geographic Council (NSGIC) Update
 - Geospatial Maturity Assessment
- TWDB Flood update

Geographic Information Officer Report – Richard Wade

Future Initiatives

- AI/ML - lidar classification
- Historic scanning project
- Low-water crossings

Geographic Information Officer Report



The Texas Geographic Information Landscape

Geographic Information Officer Report

December 1, 2021

Accomplishments

 **Texas Imagery Service**

 **Statewide Elevation Data (Lidar)**

 **National Address Database**

 **Land Parcel Database**

 **Statewide Collaboration**

 **Geospatial Maturity Assessment**

 **Statewide Efficiency**

Statewide Initiatives

Emergency Response And Support

Advanced Planning And Modeling

State Agency Data Coordination

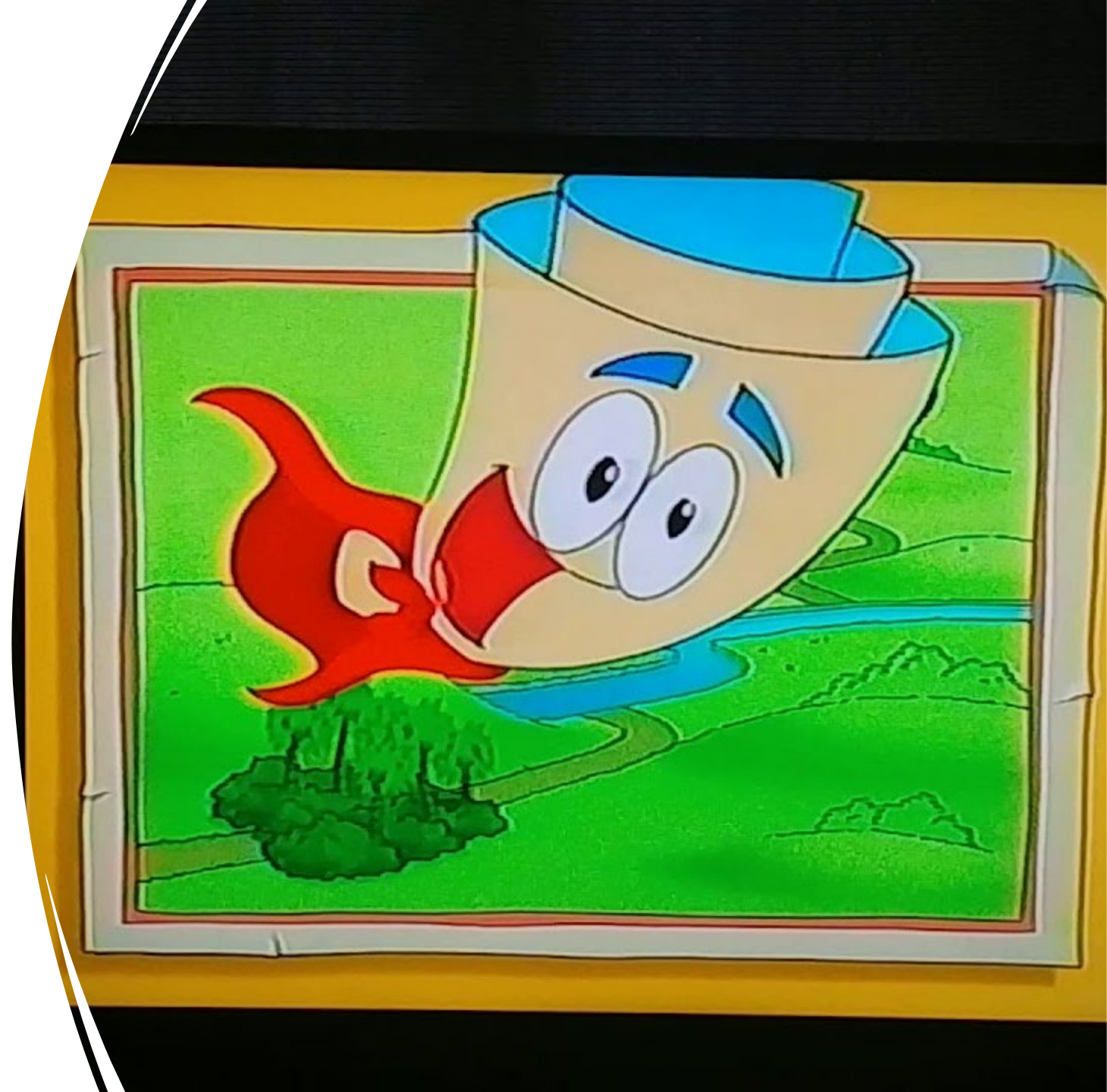
Technology Advances

Workforce Training

GIS Solutions Group

- Next Generation 9-1-1**
- Authoritative Data Catalog**
- Broadband Mapping**
- Enterprise Geocoding Services**

Super Map



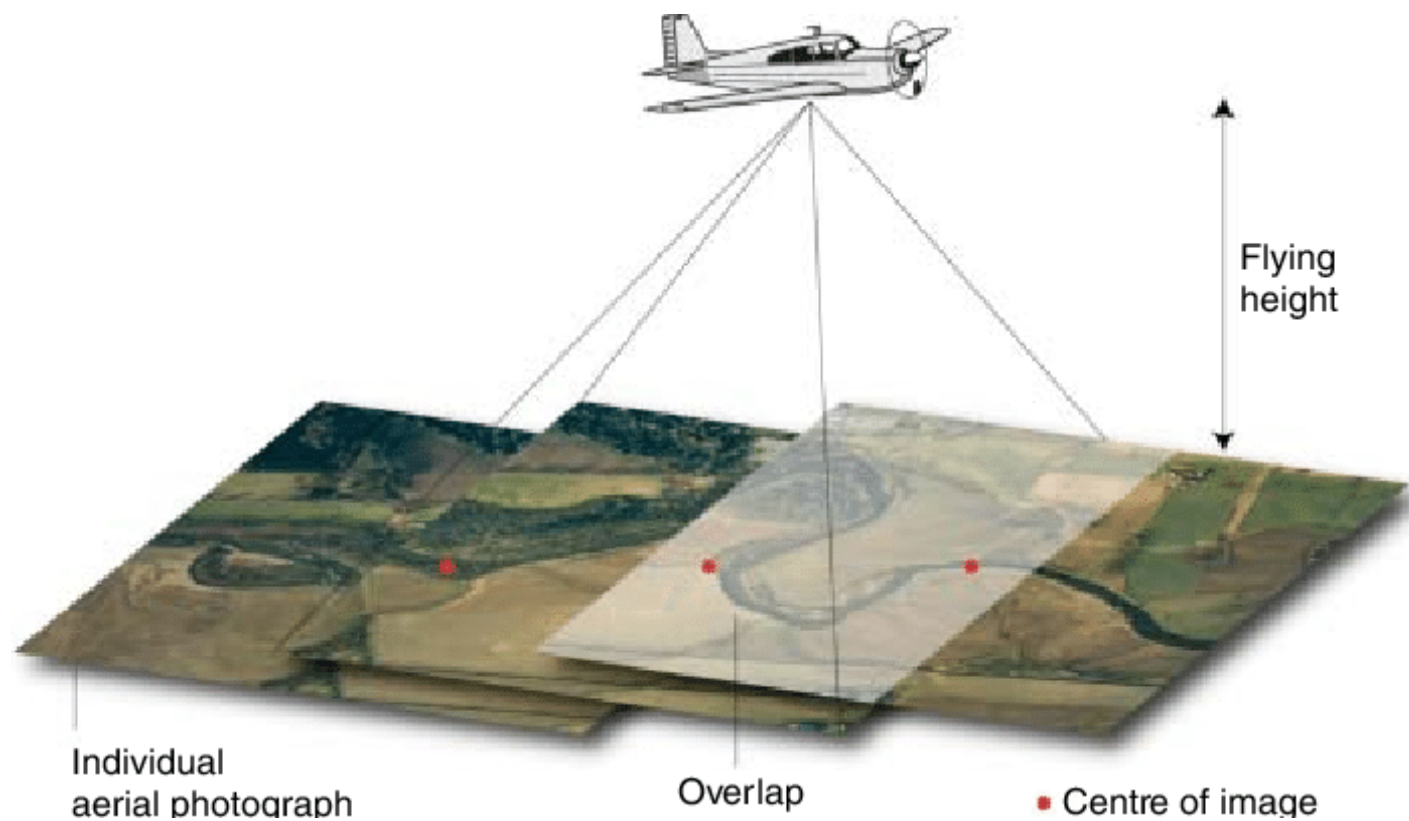
Current Issues

Lidar and Imagery are collected at different times. (Sometimes years apart)

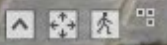
Problems when using the data together.

Newer Technologies offer more options

New aerial imagery and elevation collection methods





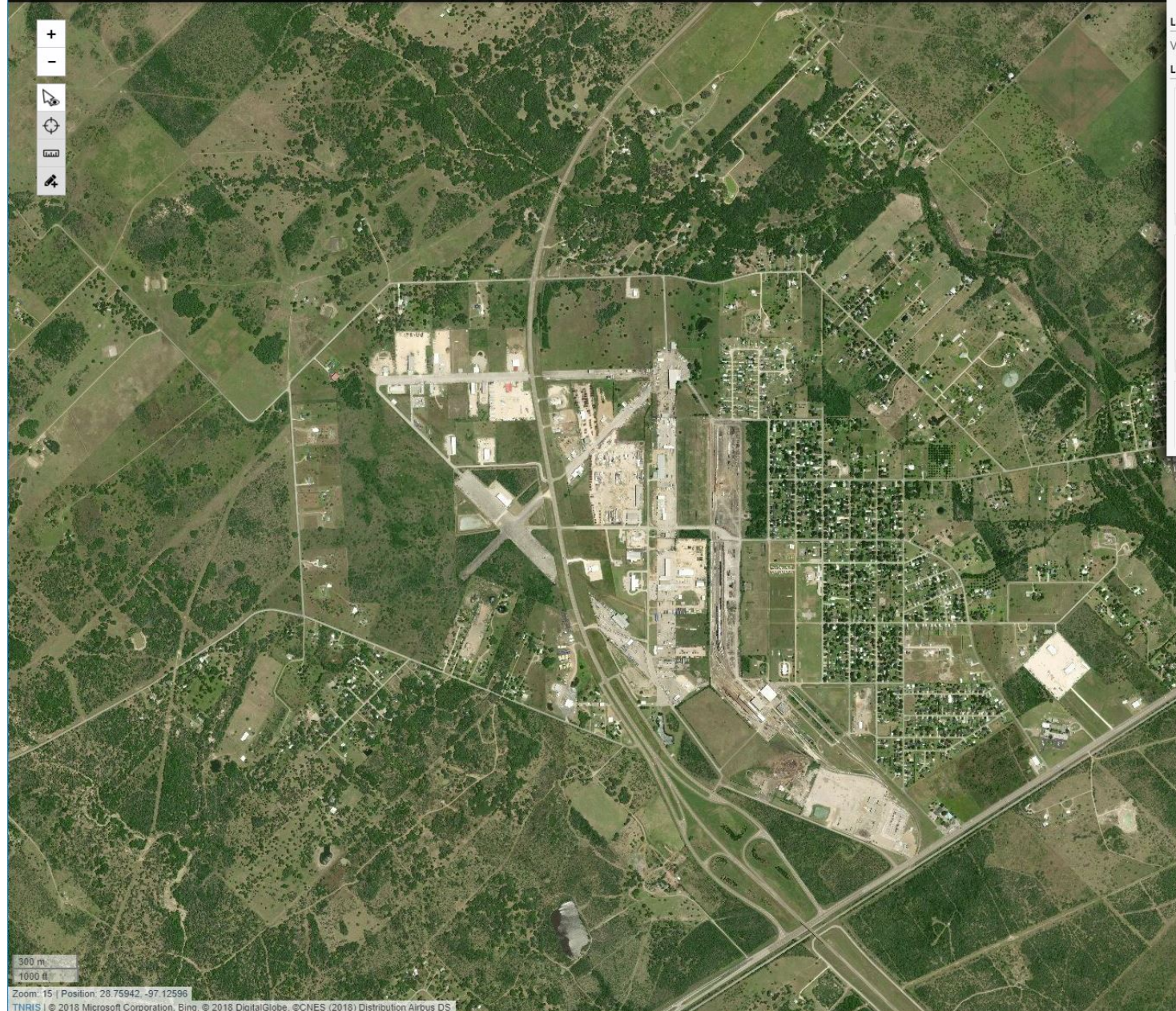






Scanning and Referencing








300 m
4000 ft

Zoom: 15 | Position: 28.75942, -97.12596

TNRIS | © 2018 Microsoft Corporation, Bing, © 2018 DigitalGlobe, ©CNES (2016) Distribution Airbus DS

Location
Victoria, Texas

Layers

- 
CIAP Victoria USDA 1958
 TNRIS received a grant as part of the Coastal Impact Assistance Program(CIAP) from GLO in ESRI Image Service ([Link](#))
 +
ADD
- 
CIAP Victoria TxDOT 1987
 TNRIS received a grant as part of the Coastal Impact Assistance Program(CIAP) from GLO in ESRI Image Service ([Link](#))
 +
ADD
- 
CIAP Victoria USDA 1966
 TNRIS received a grant as part of the Coastal Impact Assistance Program(CIAP) from GLO in
 +
ADD





How far should we go
with this archive?



ON CIAP Victoria USDA 1958 ✕

TNRIS received a grant as part of the Coastal Impact Assistance Program(CIAP) from GLO in ESRI Image Service [\(Link\)](#)

★ 🔍 100%



GEO SPATIAL MATURITY ASSESSMENT 2021

Texas Report Card

Overall Grade: B+

COORDINATION	GRADE: A
STATE-LED THEMES	GRADE
Address	A -
Cadastre	A
Elevation	A
Orthoimagery Leaf-Off	B -
Transportation	B
FEDERAL-LED THEMES	GRADE
Geodetic Control	B
Government Units	B -
Hydrography	B -
Orthoimagery Leaf-On	B

METRICS:

A - Superior

C - Average

F - Failure

B - Above average

D - Below average

N/A - Not Applicable

The National States Geographic Information Council Geospatial Maturity Assessment provides NSGIC members and other partners with a summary of geospatial initiatives, capabilities, and issues within and across state governments. The NSGIC GMA now produce report cards for each state on central data themes and coordination topics. The assessment is performed every two years.

<https://www.nsgic.org/NSGIC-GMA>



