Working with ArcGIS Pro Layouts

Micah Cutler & Garrett Byrd

Schneider Geospatial

Who is Schneider Geospatial?

A technology leader and one of the largest providers of GovTech geospatial solutions in the US, Schneider Geospatial provides innovative, industry-leading solutions to help organizations get the most from their limited resources.

- Headquartered in Indianapolis, Indiana
- Iowa office in Ankeny, Iowa

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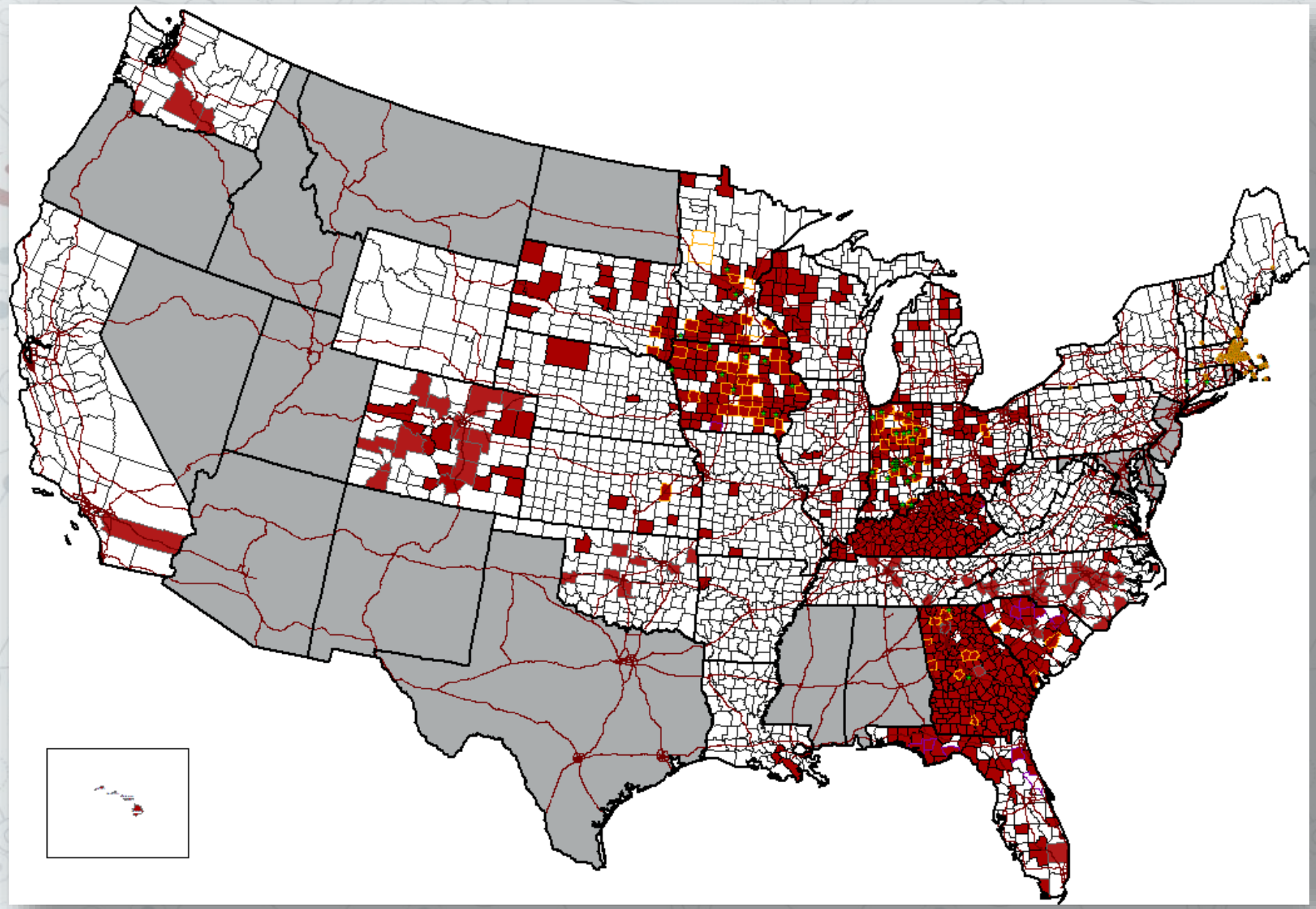

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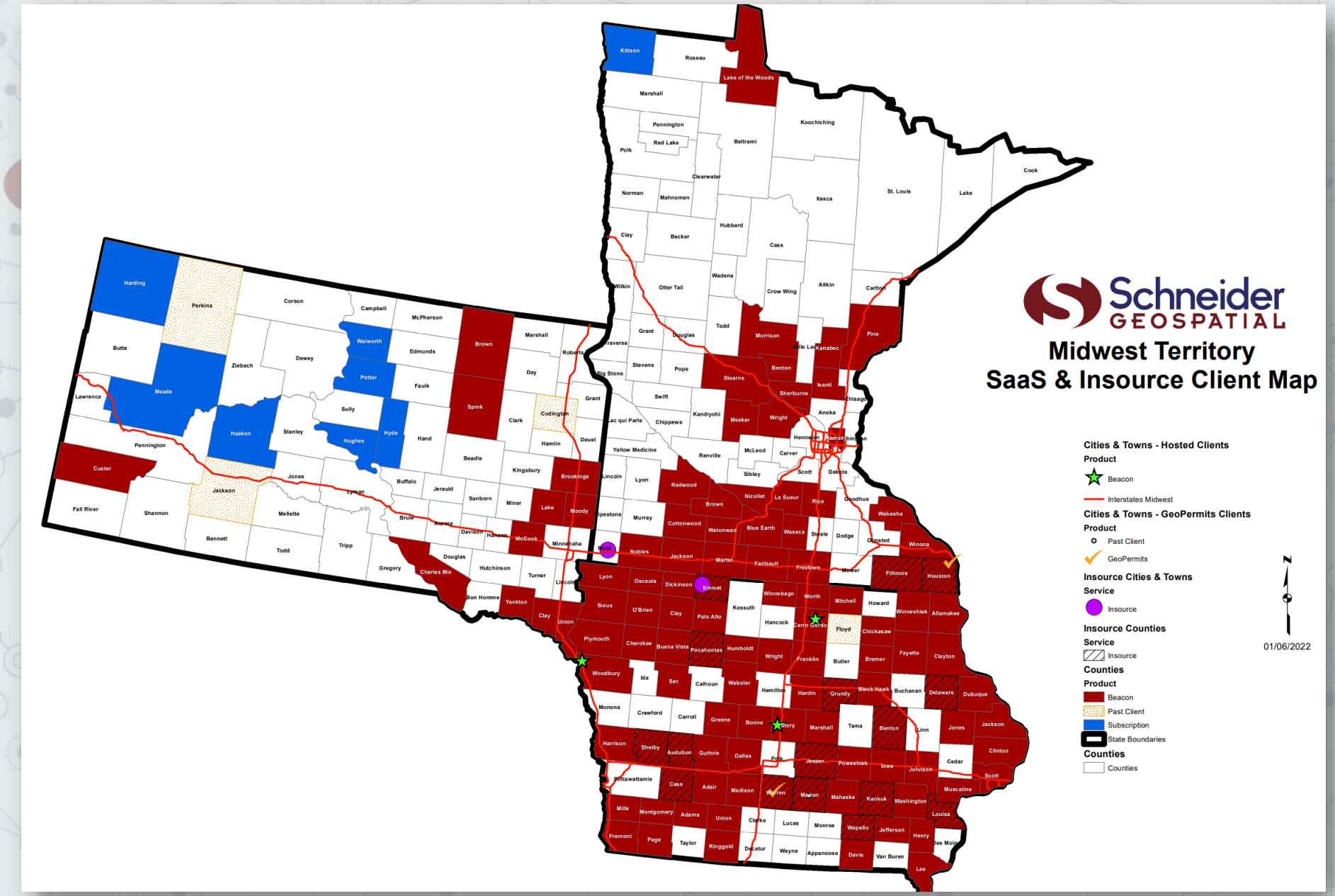
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Midwest Territory
SaaS & Insource Client Map
Cities & Towns - Hosted Clients
Product
Beacon
Interstates Midwest
Cities & Towns - GeoPermits Clients
Product
Past Client
GeoPermits
Insource Cities & Towns
Service
Insource
Insource Counties
Service
Insource
Counties
Product
Beacon
Past Client
Subscription
State Boundaries
Counties
Counties
01/06/2022

Who are we?

- Micah and Garrett are part of the ***Staff Augmentation Team***
  - GIS services for public and private organizations
  - Provide data maintenance, map creation, desktop and ArcGIS Online support, enterprise support, organization coordination and guidance, supplement existing GIS staff and workflows…. Whatever is needed!

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Topics

- New layouts
- What to include
- Adding new elements
- Disclaimers
- Working with maps
- Legends
- Additional map frames (insets)
- Map series
- Dynamic Text
- Sharing/Printing/Exporting

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The Basics

T - Title

A - Author

L - Legend

D - Date

O - Orientation

G - Grid

S - Scale

- This acronym will help you remember what elements to include on a map.

- Source: South Carolina Geographic Alliance

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TALDOGS
T = TITLE

- On a cadastral (property) or road map, it is most likely the name of the county or area.
  - Franklin County, Iowa

- On a thematic map, such as house values, it should include the name of the area and the main subject of the map.
  - Eagle Ridge Subdivision
  - 2009 Parcel Land Values

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TALDOGS
A = AUTHOR

- The organization or person who made the map.
- This also includes the source of the data if it is different that the person/organization who created it.

Prepared by:
Micah Cutler
Smith County GIS Dept.
641.555.555
gis@smithcounty.us

Property values complied by the Hardin County Assessor's Office.

Prepared by:
Hardin County GIS Dept.
641.555.5555
gis@smithcounty.us

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TALDOGS
L = LEGEND

- Explains the symbols used on the map.
- Clear and easily readable.
- Symbols should try and be the same size as they are on the map.
- May or may not use word – LEGEND

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TALDOGS
L = LEGEND

- Don't always need a legend – some symbols are self-evident.
- Especially true if common symbols are used such as blue lines or polygons for water.
- Make sure there is proper labeling.

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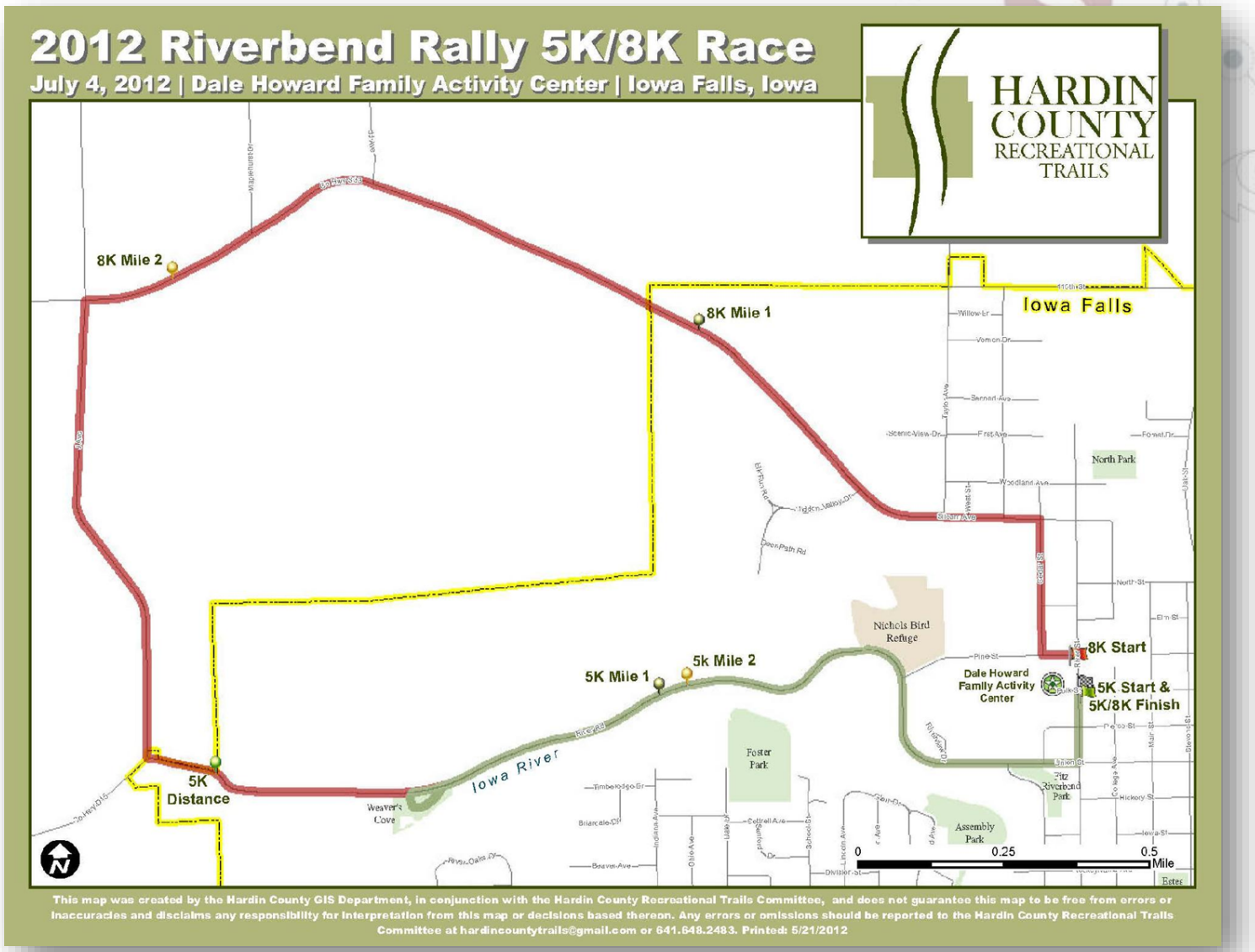
TALDOGS
L = LEGEND



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TALDOGS
D = DATE

- Always include when the map was created or the date of the original data.
- Use Dynamic Text option for inserting date to update automatically.
- I include a printed date and the date of the aerial photography, if it appears on the map.
- Examples:

Printed: 8 JUNE 2004

Digital Orthophotography flown on May 4, 2009.

IMPORTANT NOTICE

All data posted is certified as of January 1, 2003

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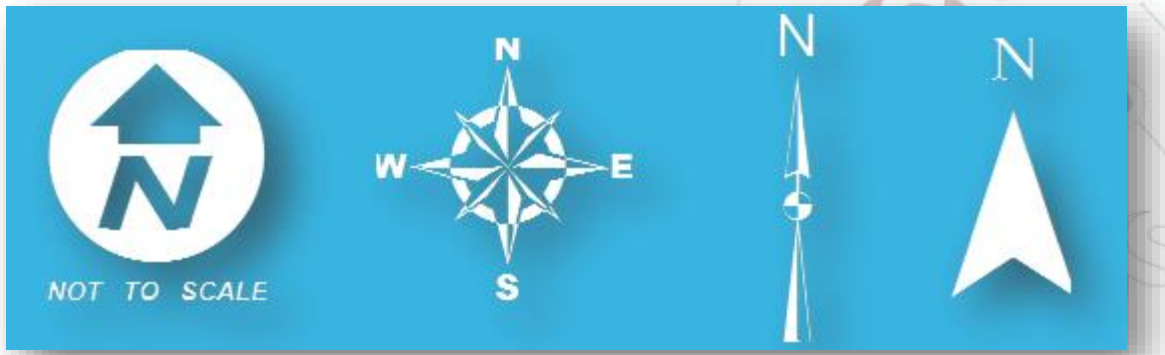
TALDOGS
O = ORIENTATION



- Generally, maps are drawn with North towards the top of the map and South towards the bottom.
- Very localized maps such as those for shopping malls or parks are often oriented around the main point of entry.
- Include a north arrow, even if it seems obvious – *there are a lot of poor map readers out there!*

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TALDOGS
O = ORIENTATION

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TALDOGS
G = GRID

- This is the most difficult at the local level.
- Includes latitude/longitude; A-1, B-3 type grid, etc.
- *My personal opinion:* the township and range/section boundaries provide a location grid.
- Many software programs will automatically put on a latitude/longitude grid.
- A “location map” (overview map) also works well.

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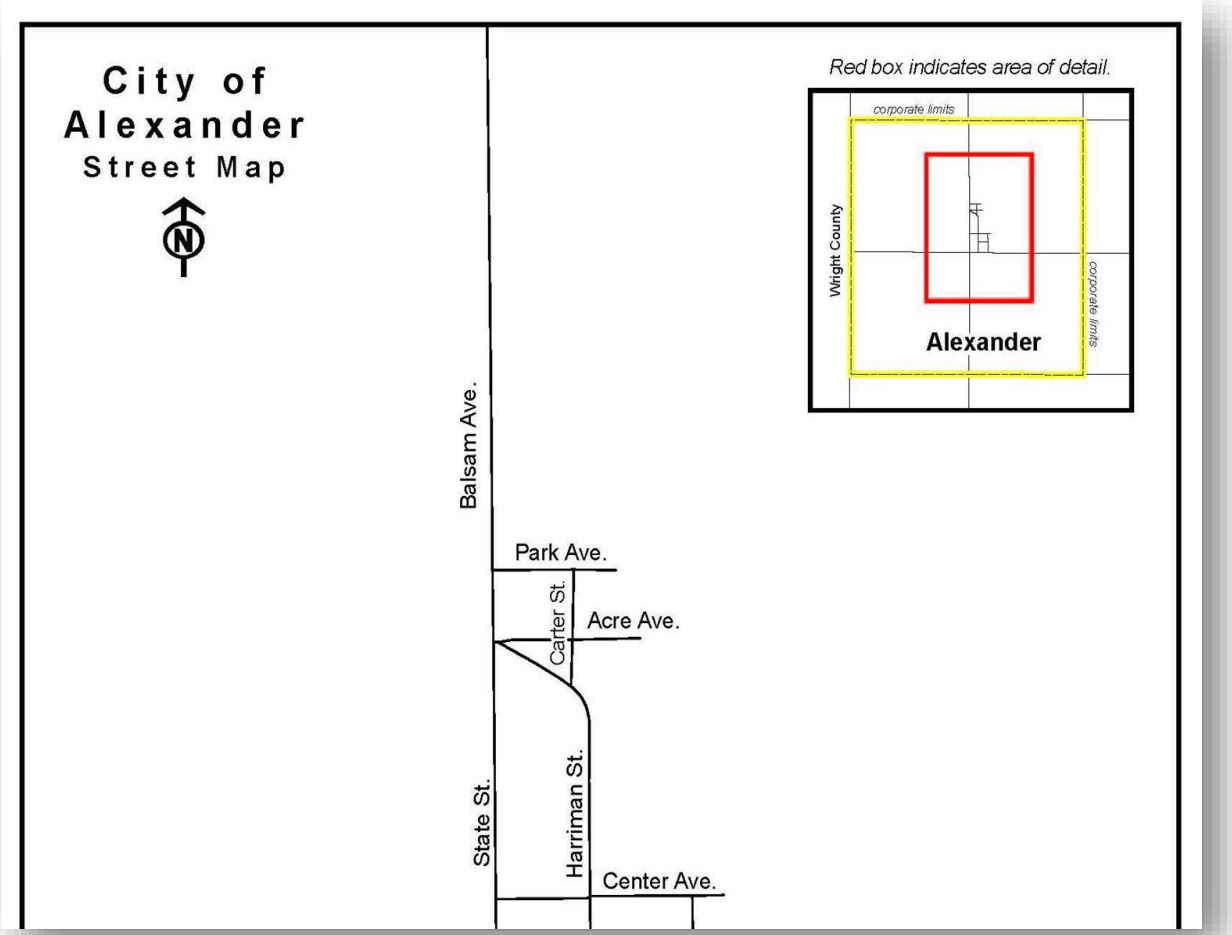
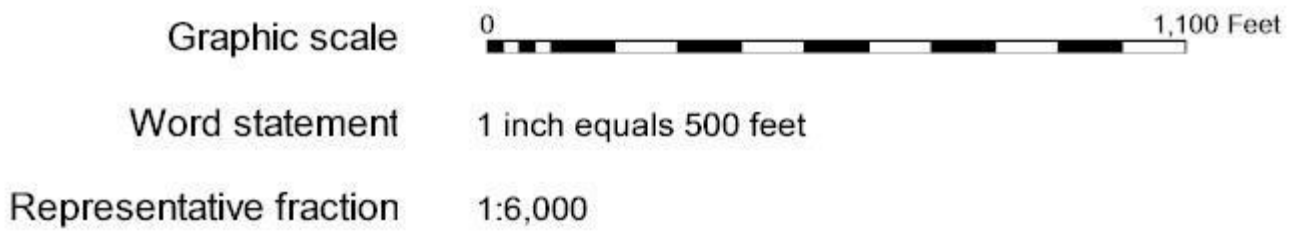
TALDOGS
G = GRID



TALDOG**S**
S = SCALE

- A map's scale is a ratio that relates a unit of measure on a map to some number of the same units of measure on the earth's surface.
  - Example: 1:25,000 means that 1 foot on the map represents 25,000 feet on Earth.



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Demo

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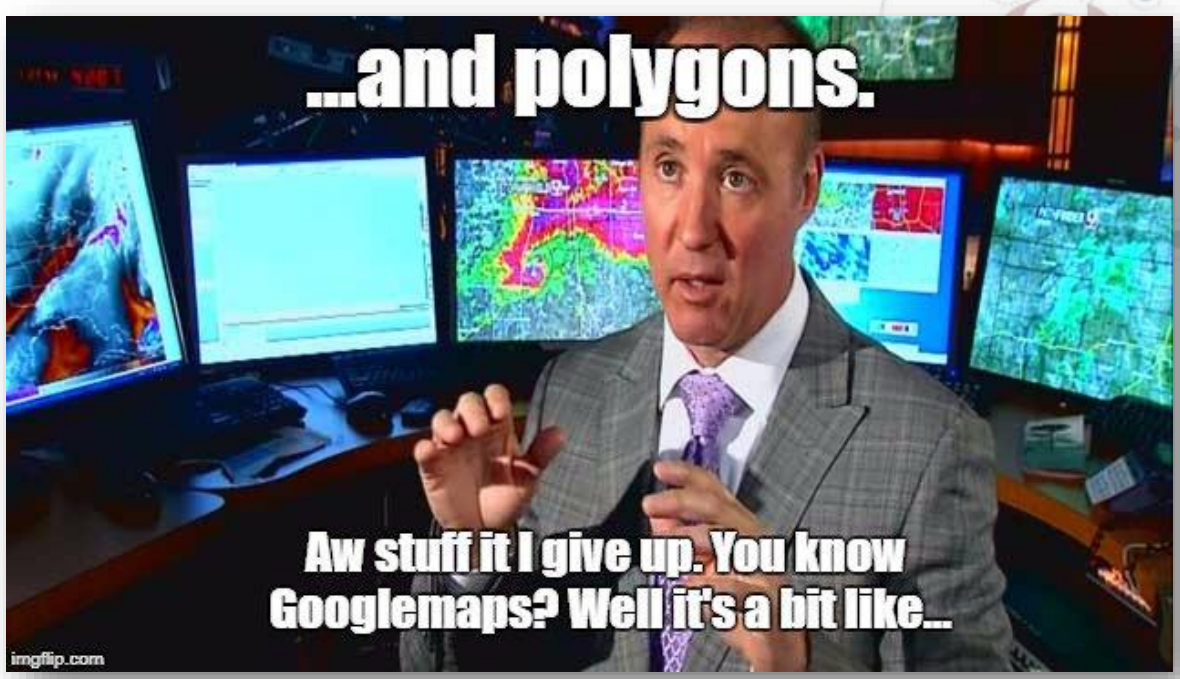
Thank you!



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