

Federal GIS Conference

February 9–10, 2015 | Washington, DC



Having FUN with Tables and Reports!

Michael Rink, GISP – Esri

and

Noel Wilson, GISP – US Air Force, ACC Geobase Support

Having FUN with Tables and Reports!

- **Moore, Oklahoma tornado outbreak – May 20, 2013**
 - 24 killed, 212 injured
 - 14 miles long, 1 mile wide
 - On ground for 40 minutes
 - Reclassified as EF-5 (Severe)



Having FUN with Tables and Reports!

R Table

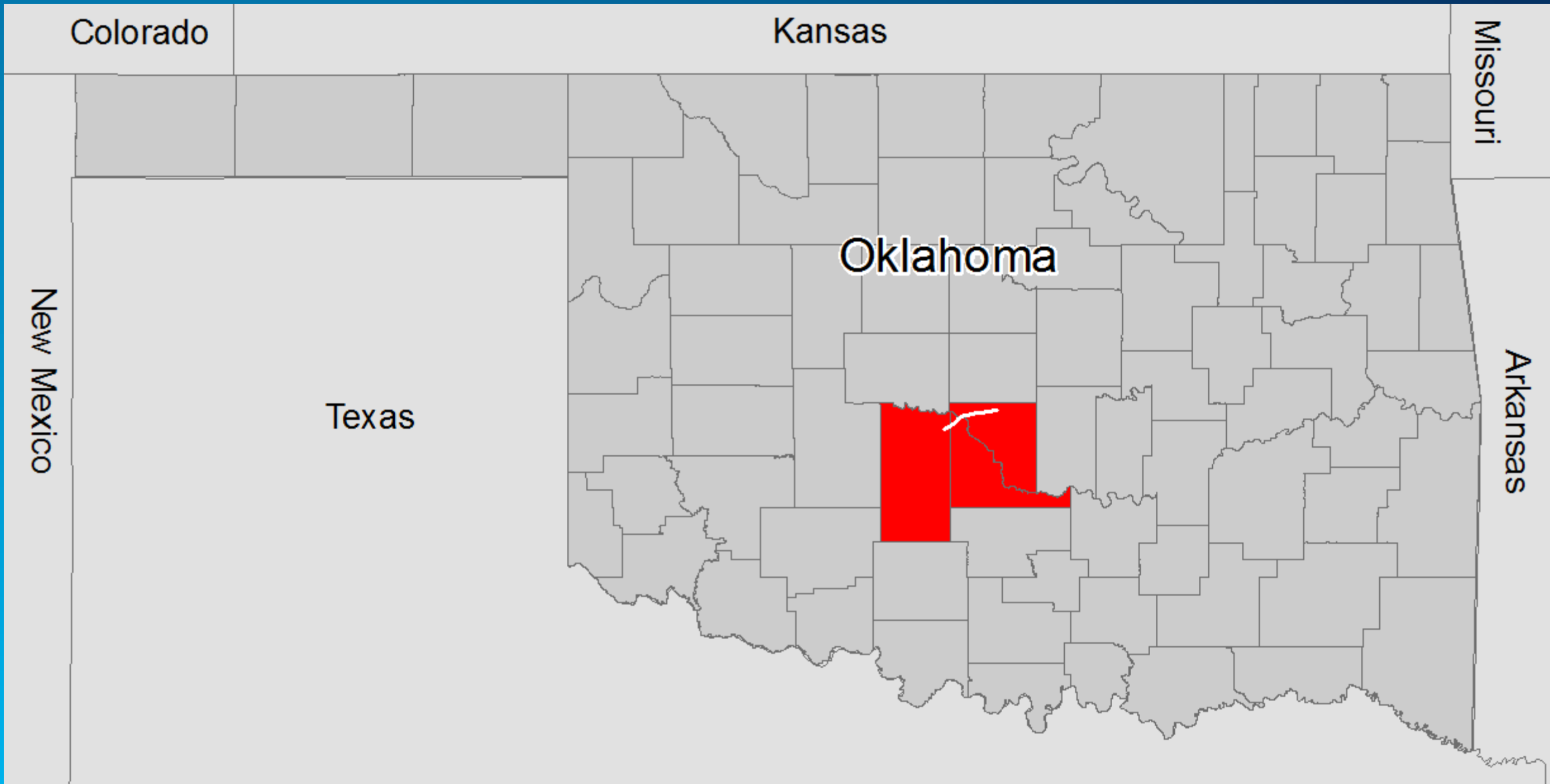
TotalPropertyLoss

OBJECTID *	FSCALE	Count_FSCALE	Sum_REPLACEMENT_COST
2	0	1418	14180000
3	1	1011	20220000
4	2	440	17600000
5	3	421	33680000
6	4	465	74400000
7	5	7	2240000

2 (0 out of 6 Selected)

TotalPropertyLoss

BuildingDamageAssesment_NAD83_OK_SPCS



Colorado

Kansas

Missouri

New Mexico

Texas

Oklahoma

Arkansas

Demo

Michael Rink, GISP – Esri

Having FUN with Tables and Reports!

- Now for some Real-World applications using Tables & Reports

Take it away Noel



Having FUN with Tables and Reports!

- Tables?
 - Fun?
 - Come on now....

Periodic Table of the Elements

Legend:

- hydrogen
- alkali metals
- transition metals
- post-transition metals
- nonmetals
- noble gases
- halogens
- metalloids

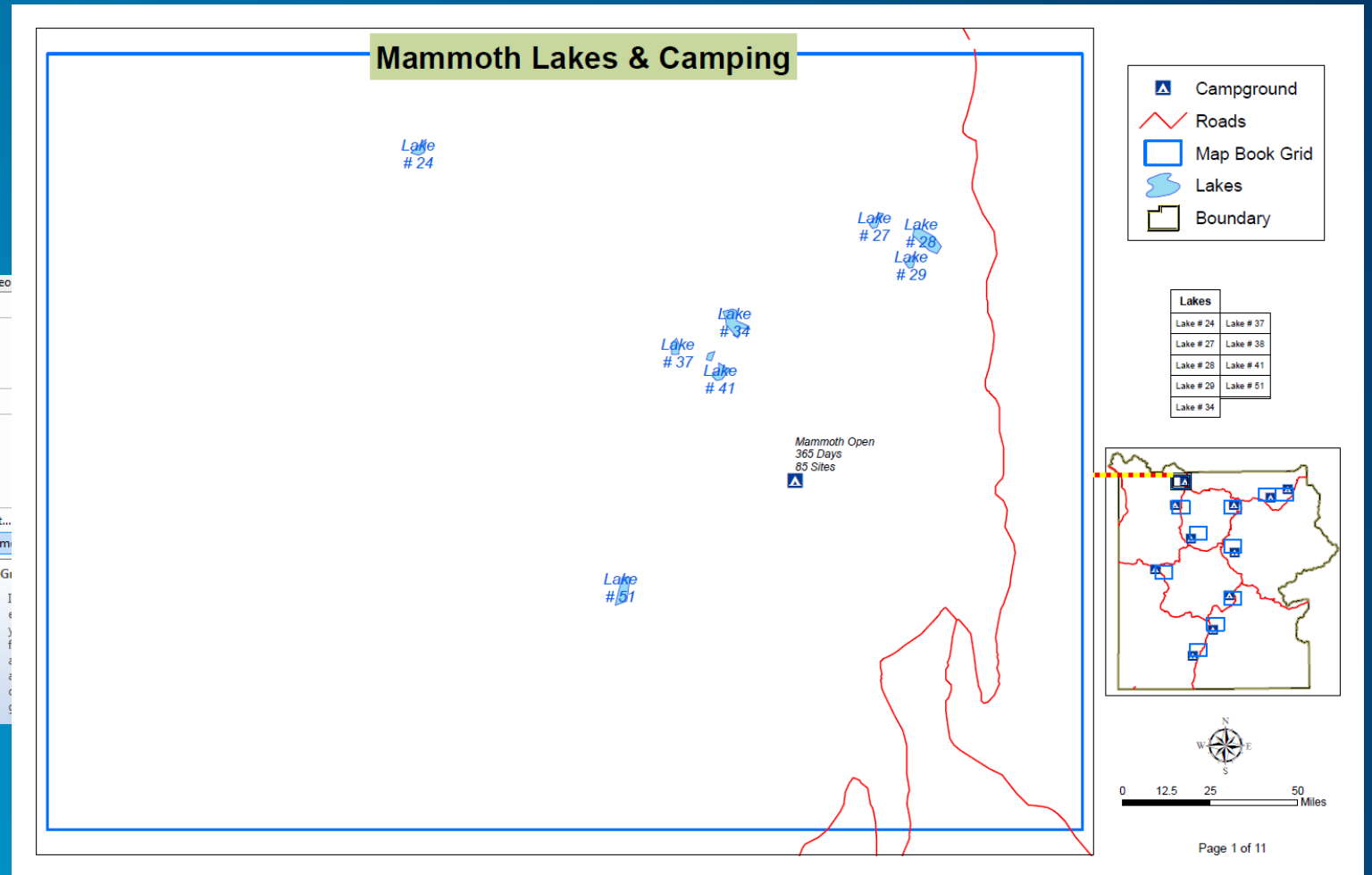
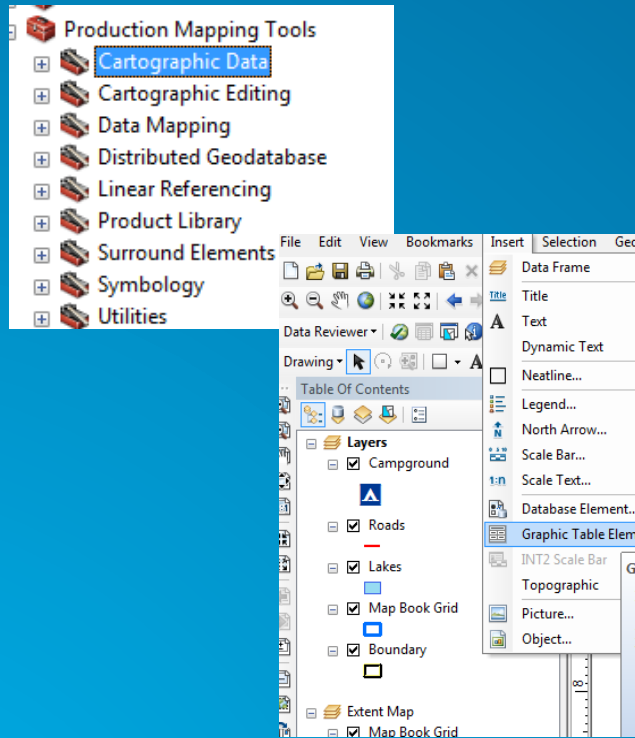
Oh wait, wrong table...

- Tables can be used as an informational tool in real world situations.
 - Any data that is in tabular form can be displayed within a map.
 - Tabular data can also be added as a feature in a map session if there is geometry associated.
 - Reports can be generated for QA/QC capabilities .
 - Tables can become an interactive part of presentations and deliverables

“Education is the kindling of a flame, not the filling of a vessel.”
— Socrates

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Interactive Table Using Production Mapping Extension



Having FUN with Tables and Reports!

Data Reviewer as a Data Quality Tool – Ability to Generate many Reports or Tables

Reviewer Table

General Drag a column header here to group by that column.

RECORDID	OBJECTID	ORIGINTABLE	ORIGINCHECK	NOTES	PARAMETERS	SEVERITY	REVIEWSTATUS	IDENTIFIER	R
40621	553	GIO LandUse	Invalid Geometry		[Connection]:	5	Invalid Geometry:	<Null>	Li
40622	553	GIO LandUse	Invalid Geometry		[Connection]:	5	Invalid Geometry:	<Null>	Li
40623	553	GIO LandUse	Invalid Geometry		[Connection]:	5	Invalid Geometry:	<Null>	Li
40624	524	GIO LandUse	Invalid Geometry		[Connection]:	5	Invalid Geometry:	<Null>	Li
40625	524	GIO LandUse	Invalid Geometry		[Connection]:	5	Invalid Geometry:	<Null>	Li
40626	524	GIO LandUse	Invalid Geometry		[Connection]:	5	Invalid Geometry:	<Null>	Li

Undo
Redo
Clear Selection
Invert Selection
Select All
Export Grid to Excel
Generate Statistics
Reports...

Data Reviewer

Data Reviewer Select Data Check

Extensions

Select the extensions you want to use.

- 3D Analyst
- Aeronautical Solution (License not available)
- Airports
- ArcScan
- Data Reviewer
- Defense Mapping
- Geostatistical Analyst
- Maritime Bathymetry
- Nautical Solution
- Network Analyst
- Production Mapping
- Publisher
- Schematics
- Spatial Analyst
- Task Assistant Manager
- Tracking Analyst

Description:
3D Analyst 10.1
Copyright ©1999-2012 Esri Inc. All Rights Reserved
Provides tools for surface modeling and 3D visualization.

DEvans_QC.xls [Compatibility Mode] - Microsoft Excel

File Home Insert Page Layout Formulas Data Review View Developer Acrobat

Clipboard Font Alignment Number Styles

Normal Bad Good Neutral Calculate

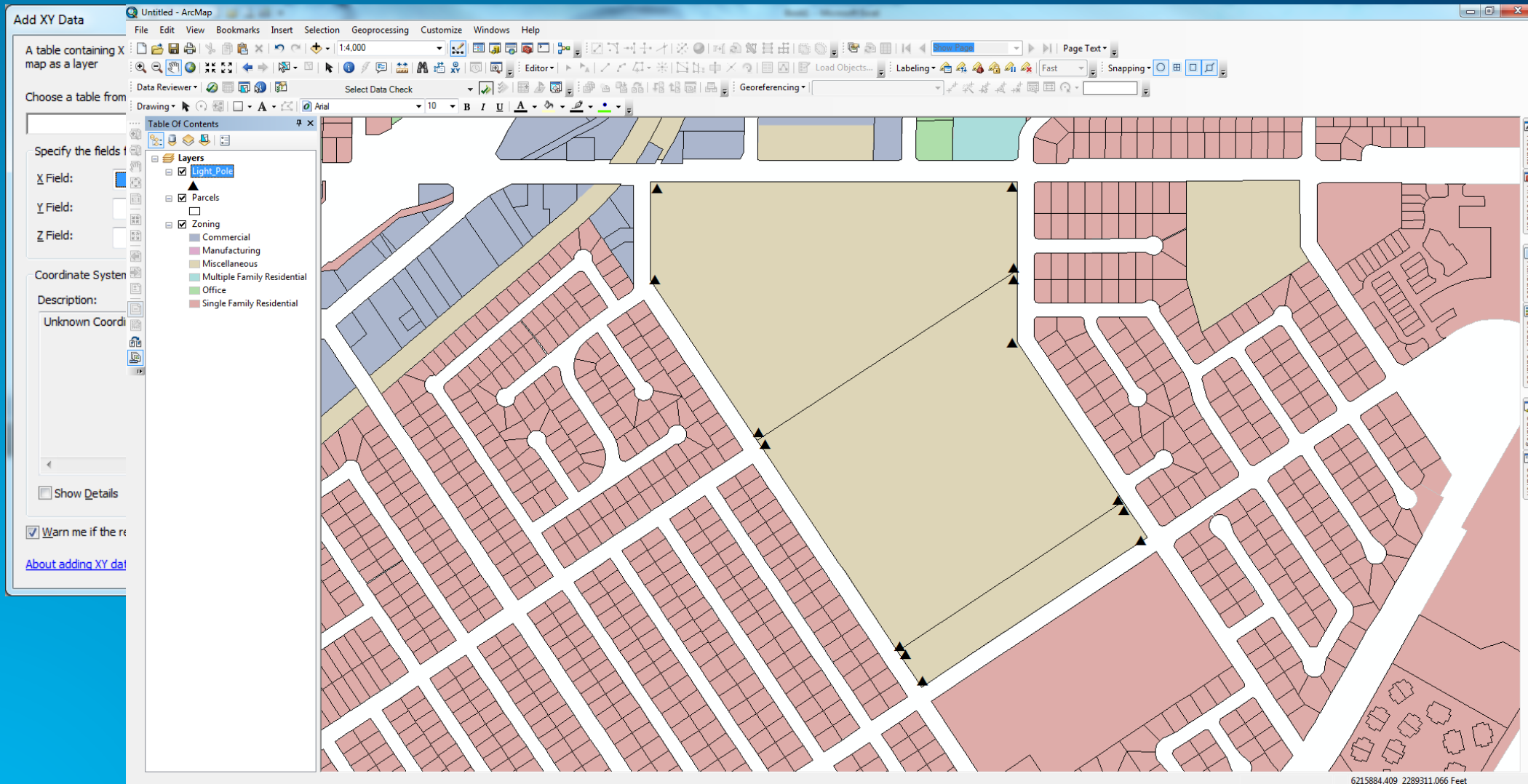
Check Cell Explanatory... Input Linked Cell Note

Batch Job Name	Date/Time	Origin Table	Check Type	Check Title	Records Validated	Total Results	Total Percent Accuracy	Distinct Results	Distinct Percent Accuracy
D:\Users\Andrew.King\Desktop\Batch_Checks_3_0\Batch Checks Final\CIP_Metrics\CIP_Checks_	4/4/2014 2:39:52 PM				222827	16689	92.51%	15536	93.03%
		GIO.AccessControl_L			2824	0	100.00%	0	100.00%
			Domain Check	Domain Check	353	0	100.00%		
			Execute SQL Check	Geographic Location Code Check	353	0	100.00%		
				Installation Field Check	353	0	100.00%		
				Owner Field Check	353	0	100.00%		
				realPropertySiteUniqueID Field Check	353	0	100.00%		
				Siteld Field Check	353	0	100.00%		
				WAC_INNR Field Check	353	0	100.00%		
			Invalid Geometry Check	Invalid Geometry Check	353	0	100.00%		

PARAMETERS	SEVERITY	REVIEWSTATUS	IDENTIFIER	REVIEWTECHNICIAN	REVIEWDATE	CORRECTIONSTATUS	VERIFICATIONSTATUS
[Connection]: sde:s	Invalid Geometry:	Empty		Lisa Wilson	Wednesday, October 01, 2014 8:21:59 AM		
[Connection]: sde:s	Invalid Geometry:	Empty Envelope		Lisa Wilson	Wednesday, October 01, 2014 8:21:59 AM		
[Connection]: sde:s	Invalid Geometry:	NotSimple		Lisa Wilson	Wednesday, October 01, 2014 8:21:59 AM		
[Connection]: sde:s	Invalid Geometry:	Empty		Lisa Wilson	Wednesday, October 01, 2014 8:21:59 AM		
[Connection]: sde:s	Invalid Geometry:	Empty Envelope		Lisa Wilson	Wednesday, October 01, 2014 8:21:59 AM		
[Connection]: sde:s	Invalid Geometry:	NotSimple		Lisa Wilson	Wednesday, October 01, 2014 8:21:59 AM		

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Ability to use Table to add Geospatial Data



Demo

Noel Wilson, GISP – US Air Force, ACC GeoBase Support

Demo Hyperlinks

- [Mammoth Pre MapBook](#)
- [Mammoth MapBook](#)

- [DataReviewer Demo](#)

- [X Y Data Demo](#)

*“Tell me and I forget, teach me and I may remember, involve me and I learn.”
— [Benjamin Franklin](#)*

Having FUN with Tables and Reports!

- What are your questions??

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**Don't forget to complete
a session evaluation form!**



Understanding our world.