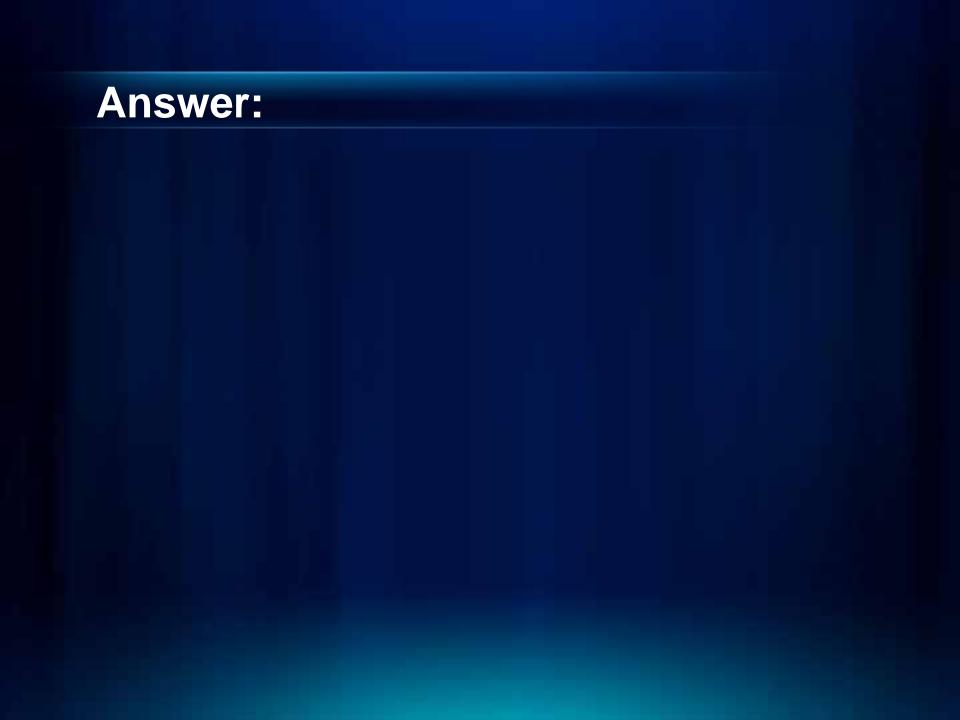


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## Why My Data Doesn't Line Up

Melita Kennedy



# **Answer: Coordinate system problem**

## **Answer: Coordinate system problem**

- Missing
- Incorrect
- Geographic/datum transformation not set

### Scenario

- Routing application for Indiana, Michigan, and Ohio.
- Indiana and Michigan data are in the same coordinate system.
- New Ohio data does not line up.

#### Goals

- Do any layers have an unknown coordinate system?
- Where is the 'unknown' data relative to the 'known' data?
- Use ArcMap to identify the unknown coordinate system
- If found, use ArcCatalog to define the metadata



### Does it work? NO

- Research for more information.
- Metadata?
- Data provider or source?
- Similar data types (1:24k quad)?
- Common coordinate systems used in the area?
- Spatial Adjustment or Georeferencing toolbars

#### Resources

- Esri Knowledge Base (support.esri.com)
- Article ID #: 23025
  - FAQ: Projection Basics: What the GIS professional needs to know
- Article ID #: 24893
  - HowTo: Identify an unknown coordinate system using ArcMap
- EPSG Geodetic Parameter Dataset
  - <a href="http://www.epsg-regisry.org">http://www.epsg.org</a>

