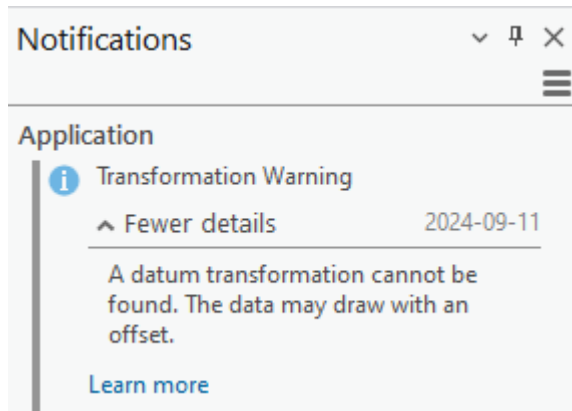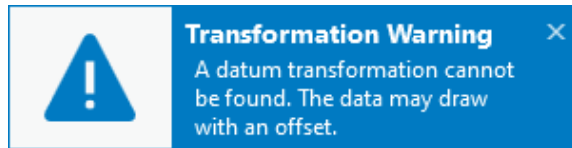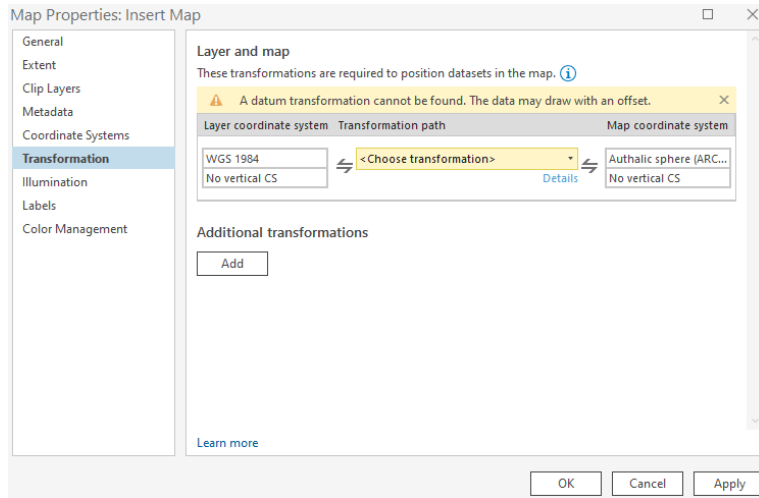# What does transformation warning mean?

- Upon reopening your Assignment 1 project after completing the insert map portion, you encounter a transformation warning.

- The *projection-on-the-fly* feature in ArcGIS Pro is not functioning correctly.

- This results in different layers being misaligned on the map.

- The misalignment can range from several centimetres to several metres.

What is causing this?

- The projection used by the insert map differs from the World Imagery (Firefly) projection.

- The Customized World from Space projection $\neq$ WGS 1984 Web Mercator (auxiliary sphere).

- ArcGIS Pro does not recognize an existing transformation path between these projections.

What to do?

- Ignore the warning message:
    - The preferred approach for now.
    - We are only creating maps.
    - The study area is large.
    - Location accuracy is not a major concern.
    - A few meters of offset is not significant.

- Other solutions to consider:
    - Ensure all layers in the map use the same projection.
    - Find or create an appropriate transformation method.

Reference

- https://www.esri.com/arcgis-blog/products/arcgis-pro/mapping/transformation-warning/