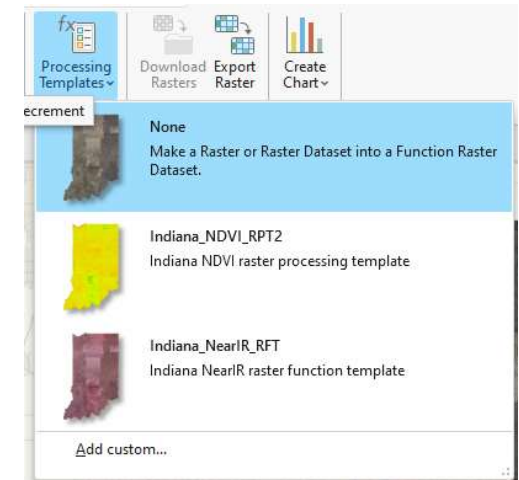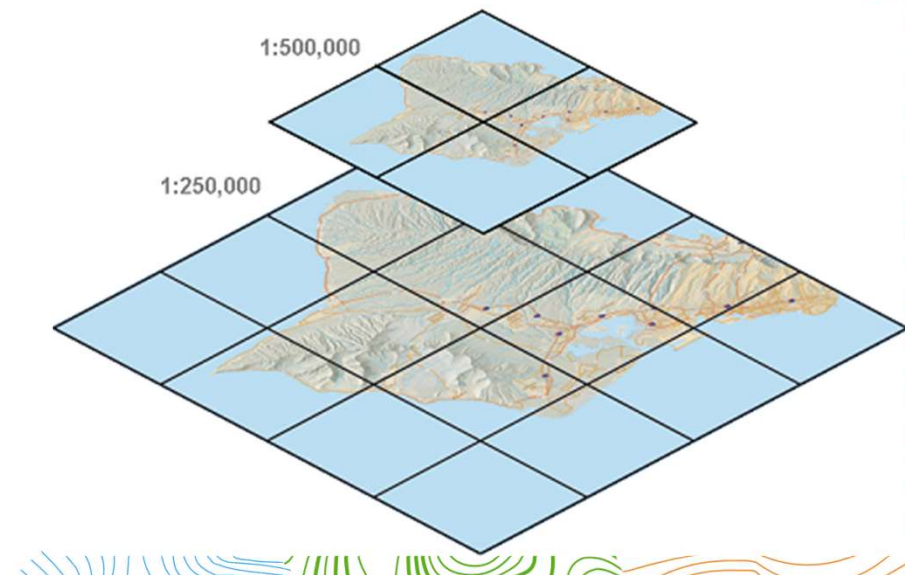# Dynamic vs Cached Services

- Dynamic Imagery Service
  - Original 4-band imagery
  - More customized
  - Allow for analysis
  - Wider range of application
  - Zoom to all scales on a map

Dynamic vs Cached Services

- Cached Imagery Service
  - Pre generated 3-band imagery
  - Renders quickly
  - Downloadable for offline editing in field applications

1:500,000

1:250,000

DEM Capabilities

- Bare earth surface DEM
  - Surface features removed from Lidar point cloud

- Analysis
  - Hydrologic flow
  - Drainage patterns
  - Watershed
  - Slope
  - Viewpoint

- Visual
  - Contours
  - Hill shade
  - Color shaded relief
  - Slope
  - Aspect

Services from REST Catalog

Home > services > DynamicWebMercator > Indiana_Current_Imagery (ImageServer)   Help | API Reference

JSON | SOAP | WMS

DynamicWebMercator/Indiana_Current_Imagery (ImageServer)

View In: ArcGIS JavaScript   ArcGIS Online Map Viewer   ArcGIS Earth   ArcMap

View Footprint In: ArcGIS Online Map Viewer

Service Description: State of Indiana Current Orthophotography includes the years 2021 to 2023. The Indiana Orthoimagery Program collects and produces 4-band, 6-inch orthoimagery (with some areas at 3-inch resolution) on a 3-year cycle. Approximately one-third of the state is flown to develop streaming imagery services, 2,500' by 2,500' tiles. The dynamic imagery services contain color infrared and NDVI raster functions built into the services. Access to Indiana Geographic Information Office Orthoimagery is governed by Creative Commons 0 (CC0)

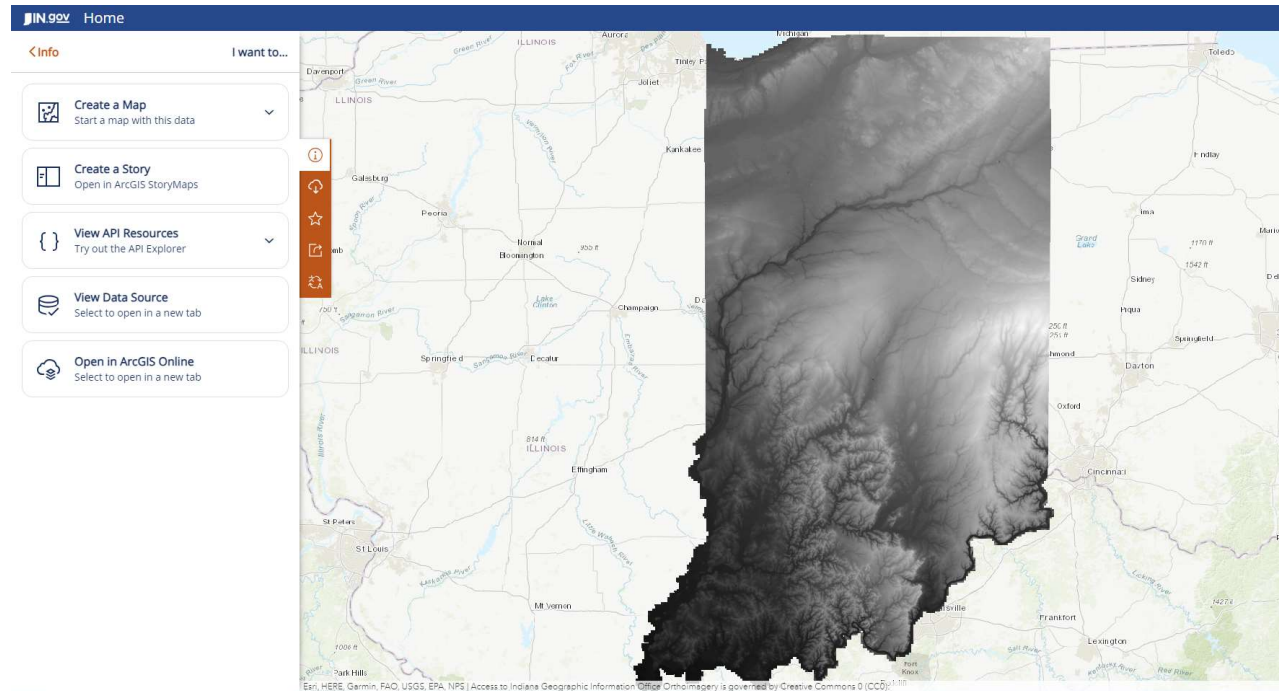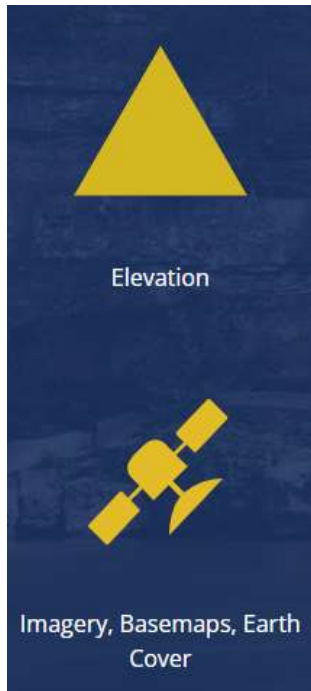**Name:** DynamicWebMercator/Indiana_Current_Imagery

Description: State of Indiana Current Orthophotography includes the years 2021 to 2023. The Indiana Orthoimagery Program collects and produces 4-band, 6-inch orthoimagery (with some areas at 3-inch resolution) on a 3-year cycle. Approximately one-third of the state is flown to develop streaming imagery services, 2,500' by 2,500' tiles. The dynamic imagery services contain color infrared and NDVI raster functions built into the services. Access to Indiana Geographic Information Office Orthoimagery is governed by Creative Commons 0 (CC0)

Single Fused Map Cache: false

Extent:

    XMin: -9814545.286
    YMin: 4545966.593499517
    XMax: -9428601.343912115
    YMax: 5133016.834799999
    Spatial Reference: 102100 (3857)

Services on IndianaMap

Tile Grid Services

Description

The State of Indiana Geographic Information Office (GIO) has published a State-wide Digital Aerial Imagery Catalog consisting of orthoimagery files from 2021-2022 (2023 and 2024 will be made available once imagery has been collected), 2016-2019, 2011-2015, and 2005 in Cloud-Optimized GeoTIFF (COG) format on the AWS Registry of Open Data Account. These COG formatted files support the dynamic imagery services available from the GIO ESRI-based imagery solution. The Open Data on AWS is a repository of publicly available datasets for access from AWS resources. These datasets are owned and maintained by the Indiana GIO. These images are licensed by Creative Commons 0 (CC0). Cloud Optimized GeoTIF behaves as a GeoTIFF in all products; however, the optimization becomes apparent when incorporating them into web services.

For support with this data, please contact Shaun Scholer at sscholer@iot.in.gov.

Layers

☑ **2021-2024 Orthoimagery Tile Footprints**
Polygon Layer

☑ **2016-2019 Orthoimagery Tile Footprints**
Polygon Layer

☑ **2011-2015 Orthoimagery Tile Footprints**
Polygon Layer

☑ **2005 Orthoimagery Tile Footprints**
Polygon Layer

in2022_02551507_06.tif

File name	in2022_02551507_06.tif
Image year	2022
County	Shelby
Pixel size	06 in.
Url to download tile	View

Zoom to ◁ 2 of 2 ▷