



Leveraging Geospatial Data to make data-based decisions

SEMCOG has contracted with Ecopia AI to develop land cover and tree canopy data. The land cover data was created using 2020 aerial imagery and Artificial Intelligence.

This land cover GIS layer contains five categories:

Impervious Surface • Open Space/Grass Land • Trees • Bare Land • Water

This data can be used in the following use cases:

- Impervious surface analysis for tax assessment and watershed strategies
- Wetland tracking and preservation flood analysis
- Planimetric mapping for asset management and smart city initiatives
- Planning and deployment of infrastructure

The impervious surface category within the land cover data contains details of the type of impervious surface with the following classifications:

- Building footprints
- Road features
- Sidewalks
- Driveways
- Parking lots
- Rail lines

Tree canopy data

Ecopia AI created regional tree canopy GIS data using 2022 leaf on aerial imagery and artificial intelligence. This layers simply displays areas where tree canopy is present.

There are limitations as to how the data can be used and we provide this data to our members upon request. To acquire a copy of this data, SEMCOG members can reach out to SEMCOG staff:

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