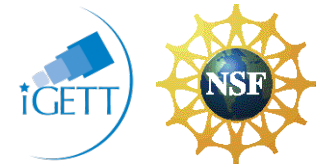


# Determining Greenway Potential in Western New York State



**Topic:** Environmental management, greenway development

**Problem Statement:** Open space in the form of a greenway can provide wildlife habitat and recreation opportunities that help promote economic development. How can Landsat imagery support the connection of two existing greenways along the Niagara Escarpment?

**Level:** Intermediate

**Software:** ArcGIS, Spatial and 3D Analyst, ENVI

**Description:** This land use exercise uses Landsat imagery to determine the extent of mixed forest and other land covers between the greenway of the Niagara Gorge, and the greenway of the Genesee Valley near Rochester. Digital Elevation Models (DEMs) determine the location and extent of the escarpment between the two existing greenways.

**Key words:** Niagara Escarpment, scarp, dip slopes, mixed forest, greenway, land use, land cover, digital elevation model, digital raster graphic.

