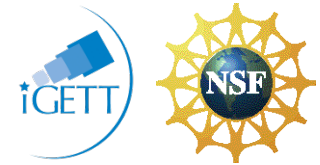


# Evaluating Insect Damage to Forest Resources in New Mexico



**Topic:** Environmental management, invasive species

**Problem Statement:** Trees are dying in parts of the Sandia Mountains, east of Albuquerque, New Mexico, and the extent of the damage must be documented.

**Level:** Advanced intermediate

**Software/Hardware:** ArcGIS, ENVI, Spatial Analyst, 3D Analyst, GPS (optional)

**Description:** Students use remote sensing and GIS to determine the extent and severity of tree die-off in the Sandia mountains and to analyze the associated hazards.

**Key words:** Bark beetle, tussock moth, fir engraver beetle, invasive species, New Mexico, forest defoliation, forest health, and forestry.

