

# OUTSTANDING GEOLOGIC FEATURE OF PENNSYLVANIA

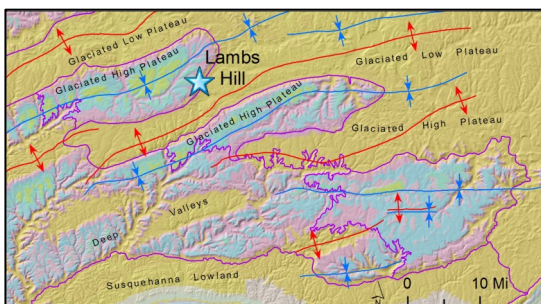
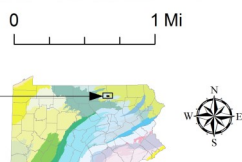
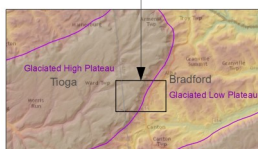
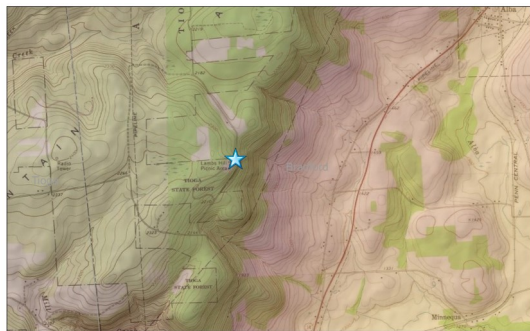
## LAMBS HILL LOOKOUT, BRADFORD COUNTY



Stuart O. Reese, 2016

### Location

Tioga State Forest, Bradford Co., Armenia Twp.,  
lat: 41.6902, lon: -76.8668; Canton 7.5-minute quadrangle



### Geology

Lambs Hill Lookout is located on the eastern side of Armenia Mountain, near the edge of a segment of the Glaciated High Plateau section of the Appalachian Plateaus physiographic province. The site provides an expansive view of the adjacent Glaciated Low Plateau section. The elevation is 2,320 feet, approximately 1,000 feet above the lowlands to the east.

The highland's presence is based on rock types and the regional geologic structure. At Lambs Hill, sandstones and conglomerates about 355 million years old underlie the rim and, because of their high resistance to weathering, stand above the surrounding area.

The Glaciated High Plateau covers four discrete areas in north-central Pennsylvania; each area occurs where a broad syncline or downfold exists in the bedrock. (Fold axes are shown as blue lines on map at left.) In the three southernmost areas, including Lambs Hill, Devonian- through Pennsylvanian-age conglomerates and sandstones (pink, blue, and green areas on map) make up the highlands in the cores of these folds. The adjacent Glaciated Low Plateau areas contain anticlines or upfolds. (Fold axes are shown as red lines on map.) In those areas, the rocks have weathered away to expose older Devonian rocks (large areas of yellow on map), which are less-resistant rocks (more shale and siltstone) and more prone to erosion.



View to the east from Lambs Hill Lookout. The highland about 8 miles in the distance is another part of the Glaciated High Plateau. Photograph by Peter Reynier, Pennsylvania Geological Survey intern.

### Recommended Reading

[Tioga State Forest](#) web page of DCNR.

Published by the [Pennsylvania Geological Survey](#).

