# GIS Data for Kittatinny Ridge June 2017

Compiled by

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To preserve and protect the Kittatinny Ridge, which extends 185 miles across south-central and south-eastern Pennsylvania, the Kittatinny Coalition was established in 2002. Their mission is "To preserve the integrity of the Kittatinny Ridge and Corridor, a rugged forested mountain surrounded by a mosaic of working lands, healthy streams, and pastoral beauty." Goal 2, Objective A of the Kittatinny Ridge Coalition's 2015-2018 Goals, Objectives, and Action Items document is to "conserve native habitat and wildlife by conducting a GIS-based baseline land cover analysis of the Kittatinny Ridge and Corridor..." To assist, we created a collection of geodatabases that contain baseline data layers spatially referenced to the PA State South system. These geodatabases provide prepared data locations and the layers within them can be used for analysis.

The following is a list of geodatabases, along with their data layers and data originators (italicized):

#### Boundaries

- o Important Bird Areas \*Audubon Society
- o Corridor Municipalities
- o Corridor Outline
- o Kittatinny Ridge
- o Outer County Boundary
  - Used as Clip feature for reducing data
- o Outer County Names
- o Pennsylvania Counties\*
  - \*PA Department of Transportation

### > Elevation

- o DEM 30m
- o Slope\_30m
- o Aspect\_30m
- o Fill 30m
- o FlowDir 30m
- o FlowAcc\_30m

DEM downloaded from USGS website. All other layers derived from it.

### > Fire Detection

- o Landsat 2015
- o Landsat 2016

Downloaded from USDA Forest Service at https://fsapps.nwcg.gov/afm/gisdata.php

### > Fishing

- O Access Points Fishing & Boating
- o Boating Special Regs Lakes
- o Class A Wild Trout Streams
- o Fishing Hotspots 2012
- o Fishing Special Regs Lakes (polygons)
- o Fishing Special Regs Streams
- o Fishing Special Regs Lakes (points)
- Stocked Trout Waterbodies (polygons)
- o Stocked Trout Waterbodies (points)
- o Stocked Trout Streams
- o Wilderness Trout Streams
- o Wild Trout Natural Reproduction
- o Warmwater and Coldwater Fisheries Lakes (points)
- Warmwater and Coldwater Fisheries Lakes (polygons)
- o Warmwater and Coldwater Fisheries Streams

PA Fish and Boat Commission

## > Forest

- O Fort Indiantown Gap Forest Classification \*PA Department of Military and Veterans Affairs
- o Mature Oak Stands
- o Meadows Food Plots & Other Herbaceous Openings
- o Recent Timber Harvests
- o Winter Thermal Cover
- O Young Aspen Stands

PA Department of Conservation and Natural Resources

#### ➤ Geology

- o Karst Features
- o PAdike
- o PAgarc
- o PApoly

PA Department of Conservation and Natural Resources

### ➤ Hunting

- o DMAP Units
- O State Forest Gated Roads Open for Deer Season

PA Department of Conservation and Natural Resources

### ➤ Land Cover

- O National Land Cover Database (NLCD)
  - Impervious Surfaces 2001
  - Impervious Surfaces 2006
  - Impervious Surfaces 2011
  - Land Cover 2001
  - Land Cover 2006

- Land Cover 2011
- Tree Canopy 2001
- Tree Canopy 2011
- O University of Vermont Spatial Analysis Lab
  - Pennsylvania Statewide High-Resolution Tree Canopy
- Products derived from NLCD
  - F a d raster layers- Forested, Agricultural, & Developed land within corridor
  - Nat\_unnat raster layers- Natural vs Unnatural land area within the corridor

# ➤ Mining & Energy

- Abandoned Mineland Inventory (points)
- o Abandoned Mineland Inventory (polygons)
- o AML Inventory Sites
- o Digitized Mined Areas
- o Oil and Gas Locations 2016
- O Wind Turbines \*Appalachian Landscape Conservation Cooperative

PA Department of Environmental Protection

#### > Recreation

- o DCNR Rail Trails
- o DCNR Snowmobile Trails
- o Equestrian Trails
- o Forest District Boundaries
- o Local Parks
- o Publically Owned Streambeds
- O State Forest Americans with Disabilities Act Accessible Sites
- o State Forest District Offices
- o State Parks
- o Trails
- o Water Trails

PA Department of Conservation and Natural Resources & PA Fish and Boat Commission

### > Socioeconomic

- o County Housing Units
- o County Populations
- o Tracts 1990
- o Tracts 2000
- o Tracts 2010
- O Township Population

Housing and population data from PA State Data Center

# > Stream Uses and Health

Chapter 93 Stream Uses (aquatic life, fish consumption, potable water supply, and recreation)

- o Designated Use 2013
- o Existing Use 2016

The Streams Integrated List represents stream assessments in an integrated format for the Clean Water Act Section 305(b) reporting and Section 303(d) listing. PA DEP protects 4 stream water uses: aquatic life, fish consumption, potable water supply, and recreation. The 305(b) layers represents stream segments that have been evaluated for attainment of those uses. If a stream segment is not attaining any one of its 4 uses, it is considered impaired.

- O Integrated List Attaining Lakes
- O Integrated List Attaining Streams
- O Integrated List Non-Attaining Lakes
- o Integrated List Non-Attaining Streams
- o Total Max Daily Load

PA Department of Environmental Protection

- o Derived products
  - EVHQm per muniAreaSqKm (feature class & table)

#### Water Features

- o HUC10
- o HUC12
- o HUC08
- National Wetlands Inventory
- o NHD Flowline
- o NHD Point
- o NHD Waterbody

US Fish and Wildlife Service & US Geological Survey

- o Derived products
  - Wetland\_Density\_muni (feature class & table)
  - WetlandsTypes\_corridor

#### ➤ Water Infrastructure

2016 DEP: A Water Resource is a DEP primary facility type related to the Water Use Planning Program. The sub-facility types related to Water Resources that are included are: Discharge (sewage treatment plant, instream discharge, spray irrigation field, groundwater recharge, onlot septic or an unidentified facility type); Ground Water Withdrawal (well, spring, quarry, infiltration gallery, deep mine, surface mine or an unidentified facility type); Interconnection; Storage; Surface Water Withdrawal; Water Allocation

- o Public Water Supply
- o Water Resources

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