EnviroAtlas Update Bulletin
Keep up with the latest in EnviroAtlas news

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- New Map Tools | Featured Collections and Demographic Widget Debut
- New Data | National Floodplains, Species Richness, and More

New Map Features

The EnviroAtlas Team is excited to announce a new Interactive Map layout and enhanced map features to improve user experience.
Universal Search

All EnviroAtlas data layers, including people and built spaces and boundaries, are now housed under a single tab. Users can now easily search all 400+ data layers.

Explore in the Interactive Map >>

Featured Collections Widget

Featured Collections are clusters of data that highlight different environmental decision-making contexts.

The new EnviroAtlas widget contains four Featured Collections:

- Agricultural Erosion and Sediment-Impaired Waterways
- Guidance for Carbon Storage
- Nitrogen Inputs to Watersheds
- Urban Heat Islands and Vulnerable Populations

More collections will be added throughout 2019. Have an idea for a Featured Collection? Contact us!
Demographics Widget

The Demographic widget contains data sourced from the 2011-2015 American Community Survey (ACS) & US 2000 & 2010 Census data. The widget contains:

- hundreds of demographic variables
- user-preferred symbology (chloropleth OR markers)
- and scale-dependent data displays (e.g., county, census tract, and census block group) that recalculate when the map is zoomed in or out

% US population below the poverty level, by county.

Explore these updates in the Interactive Map >>
New Data
Floodplains

- **Estimated Floodplains data** were developed to close critical gaps where FEMA Digital Flood Insurance Rate Maps are unavailable. FEMA floodplain data were used to train a machine-learning algorithm to predict floodplain presence or absence for the entire continental United States, establishing full National coverage.
- **FEMA based flood hazard data** were recently released, allowing for census-block scale identification of land area, impervious surface, and population in flood risk zones in the 24 EnviroAtlas community areas.

*Estimated floodplain presence (1, dark blue) or absence (0, white) at 30 m resolution for the United States. Focal region: Mississippi river watershed & delta.*
**Modeled Species Richness**

Previously available for Southeast and Southwest regions only, these EnviroAtlas Species Richness data are derived from habitat suitability models and now extend across the country for wall-to-wall National coverage. New and existing species richness data are available for:

- amphibians
- reptiles
- mammals
- birds
- threatened & endangered species
- large & small game
- and more!

All of the layers related to species richness give users the option to select from maximum richness, mean richness, or Normalized Index of Biodiversity (NIB).

**Other new data layers:**

- Roads near streams
  - Identifies paved roadways within 50 m of a stream for enhanced runoff mitigation planning.
- Percent tree canopy
  - Percent of land area that is covered by tree canopy within each subwatershed (12 digit HUC).
- Percent tree canopy in stream buffers
  - Percent of tree canopy in the riparian buffer zone.
- Population by HUC12
  - Population summarized by subwatershed.

**Use our data matrix to search and sort our 400+ data layers >>**