

# Restoration Appalachia: A Visual and Literary Analysis of Ecological Disturbance and Restoration Potentials in the Central Appalachian Coal Fields

## Approach



A review of literature compiled from peer-reviewed journals, research databases and information interviews.

Compelling and informative visual content generated through Google Earth Engine, ArcGIS software, LiDAR data, satellite imagery, aerial photography and archival film.

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## Deliverables



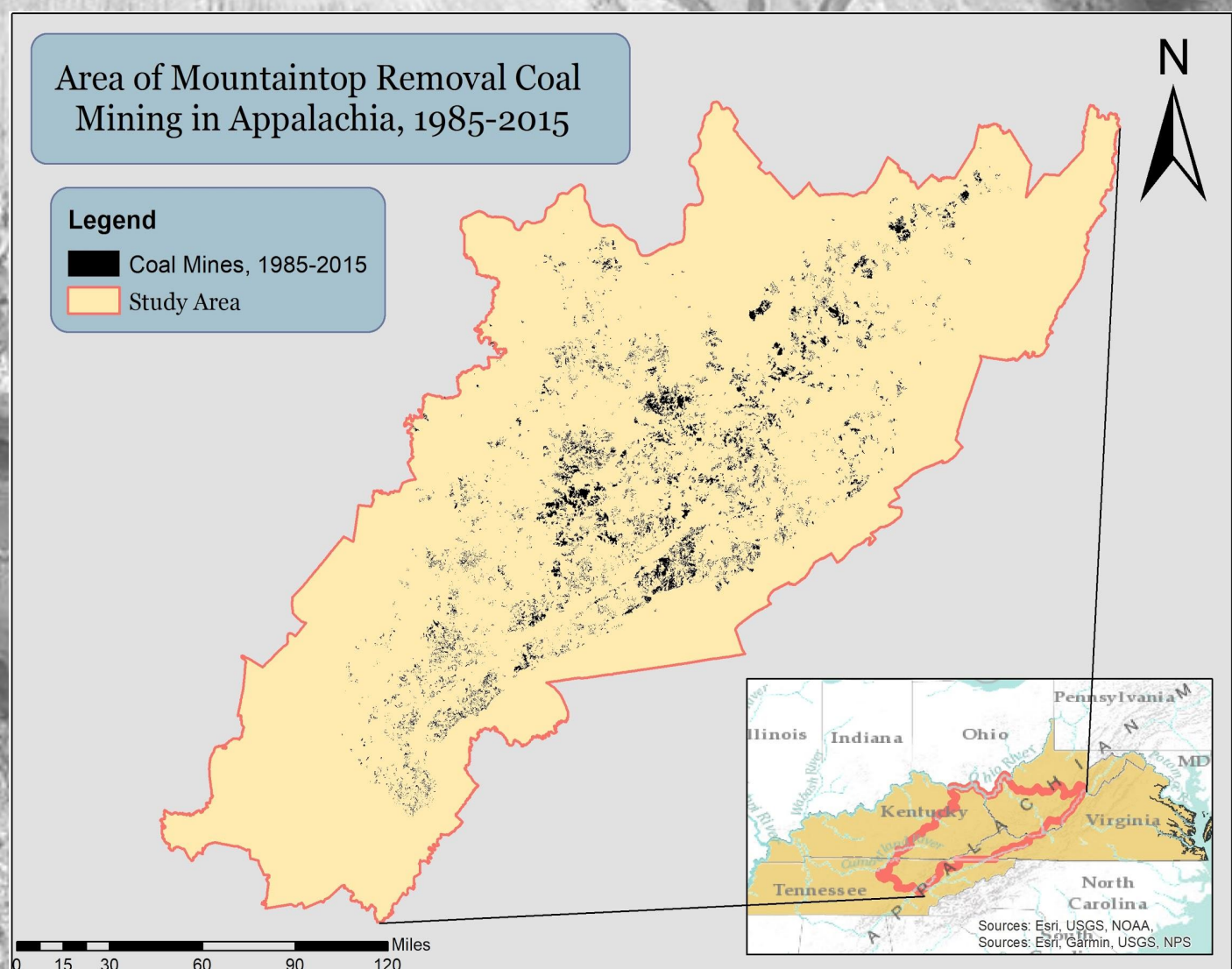
- Digital Map Portfolio
- Literature Review and Restoration Opportunities
- Lesson Plans and a Presentation focused on Science Communication

*Please attend this public presentation at the CUH on May 24th at 3:30 pm! Manuscript available through the Miller Library in June, 2019.*

## Objective



This manuscript intends to use the field of Restoration Ecology as a lens to understand ecological disturbance in Central Appalachia with a emphasis on ecological restoration opportunities and the creation of visual, and educational aids for Science Communication.





# References

Background Image: Vitale, A. A bird's-eye view of the mountaintop-removal mine that emptied Lindytown, West Virginia. [Digital image]. (2013, September 7).

Retrieved December 9, 2017, from

<https://news.nationalgeographic.com/news/2013/09/130906-twilight-strip-mine-cemetery-west-virginia/>

Graphics: Mountaintop Removal, Coal and Forest from the Noun Project's Google Slides Add-on