

Examining Existing Restoration Analysis and Mitigation Models and Their Possible Applicability to Net Positive Impacts

The Role of the Natural Resource Damage Assessment Process

Jason Kinnell and Matthew Bingham

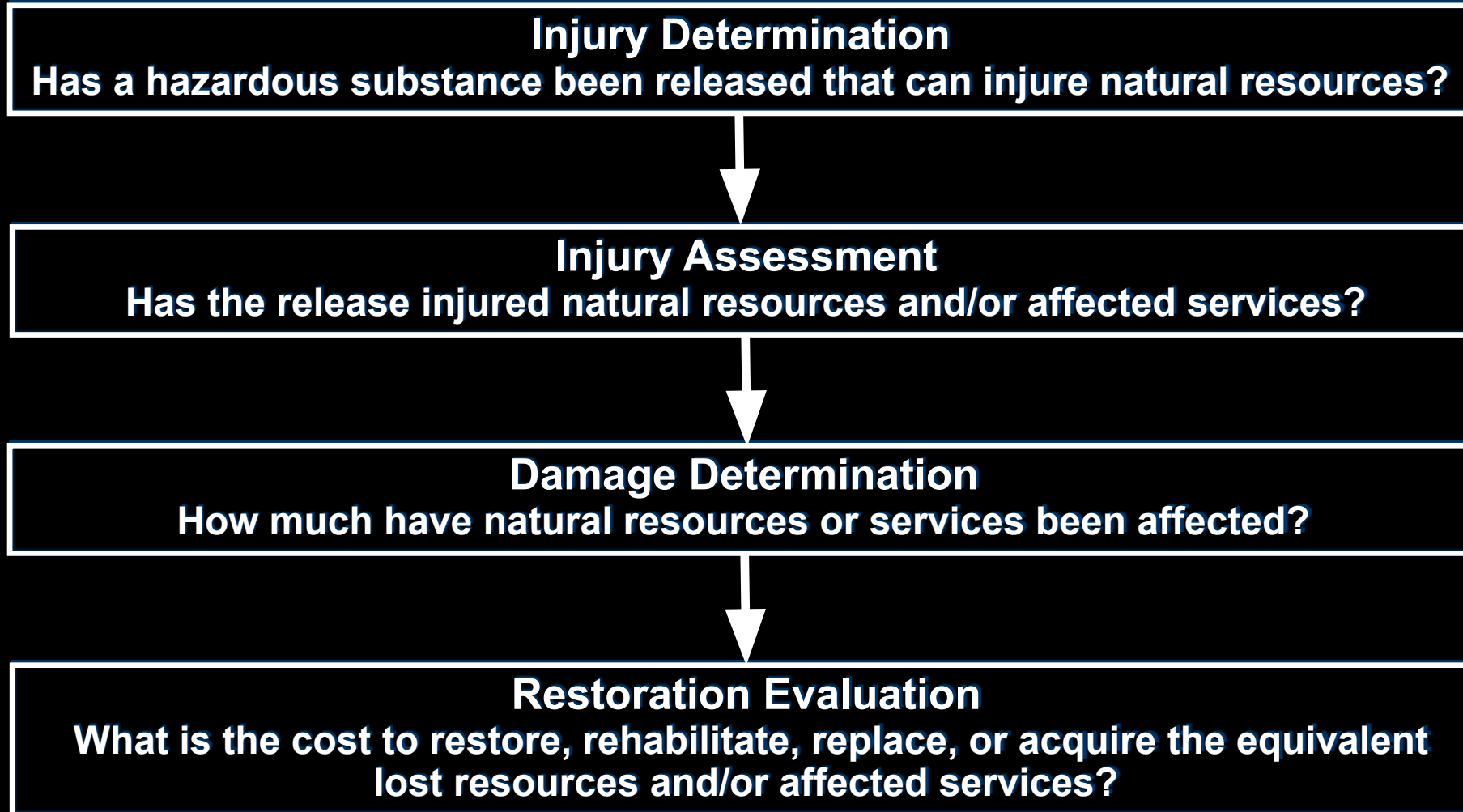
Marine Law Symposium

Can Offshore Wind Development Have a Net Positive Impact on Biodiversity?
Regulatory and Scientific Perspectives and Considerations

Roger Williams University School of Law – Bristol, Rhode Island

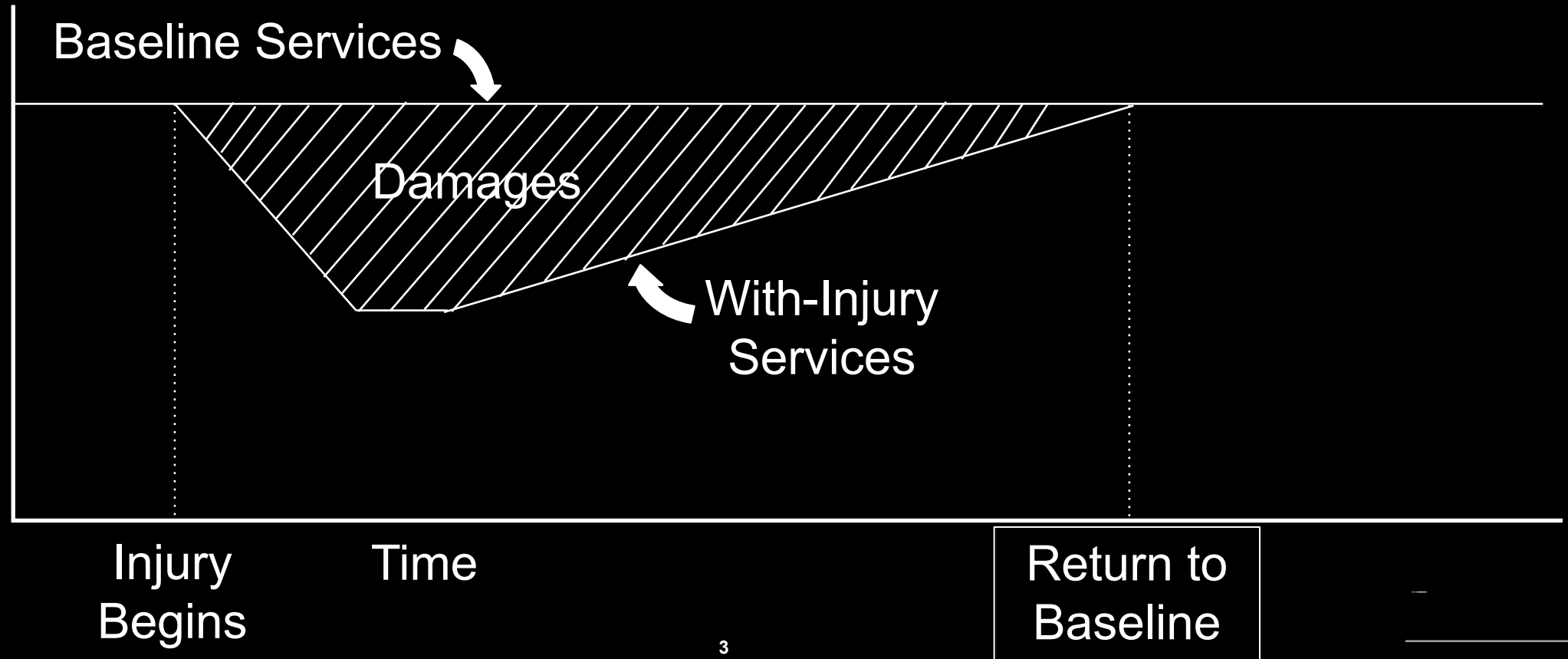
April 21, 2023

Typical Steps in a Natural Resource Damage Assessment

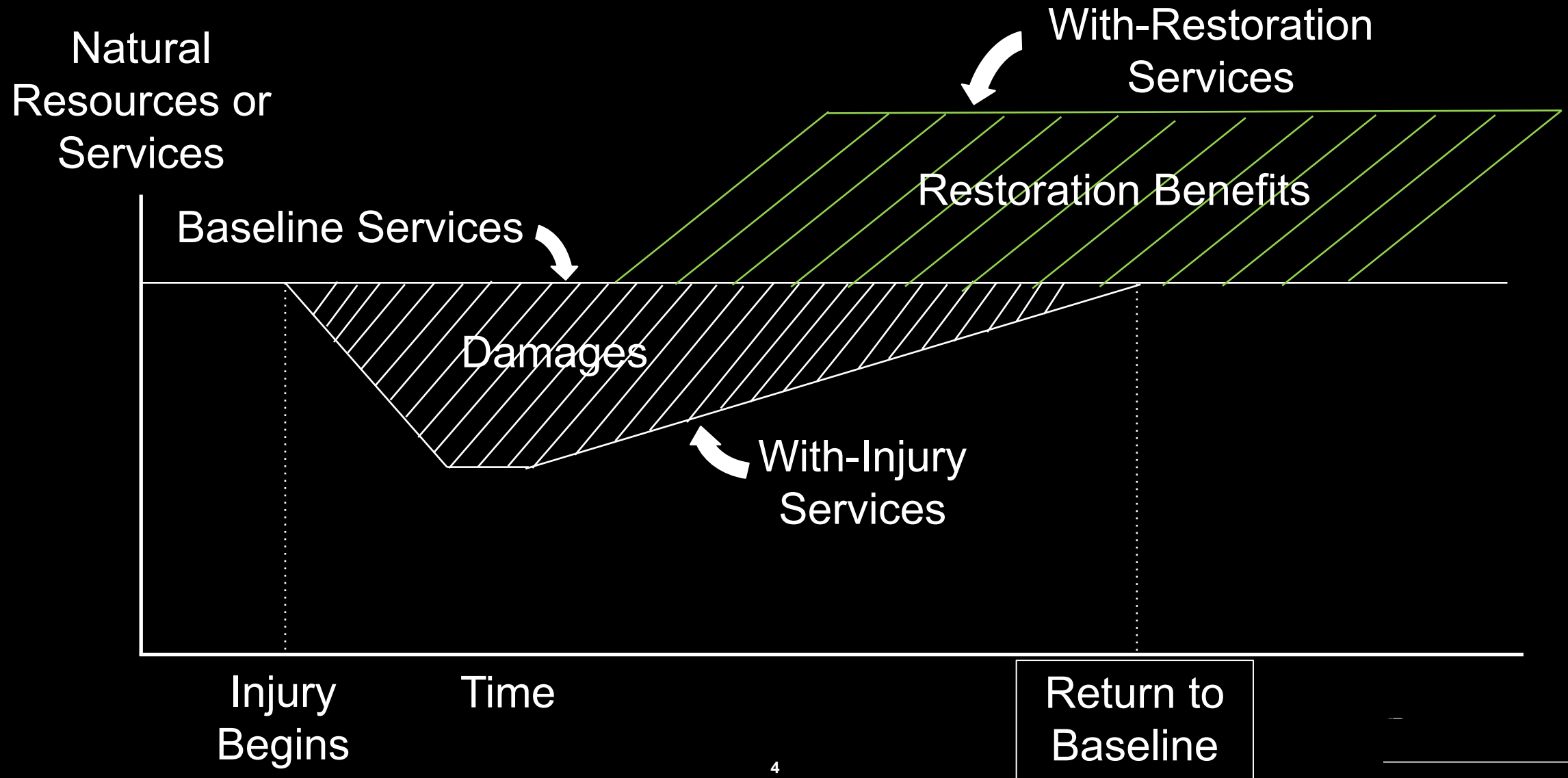


Estimating Damages

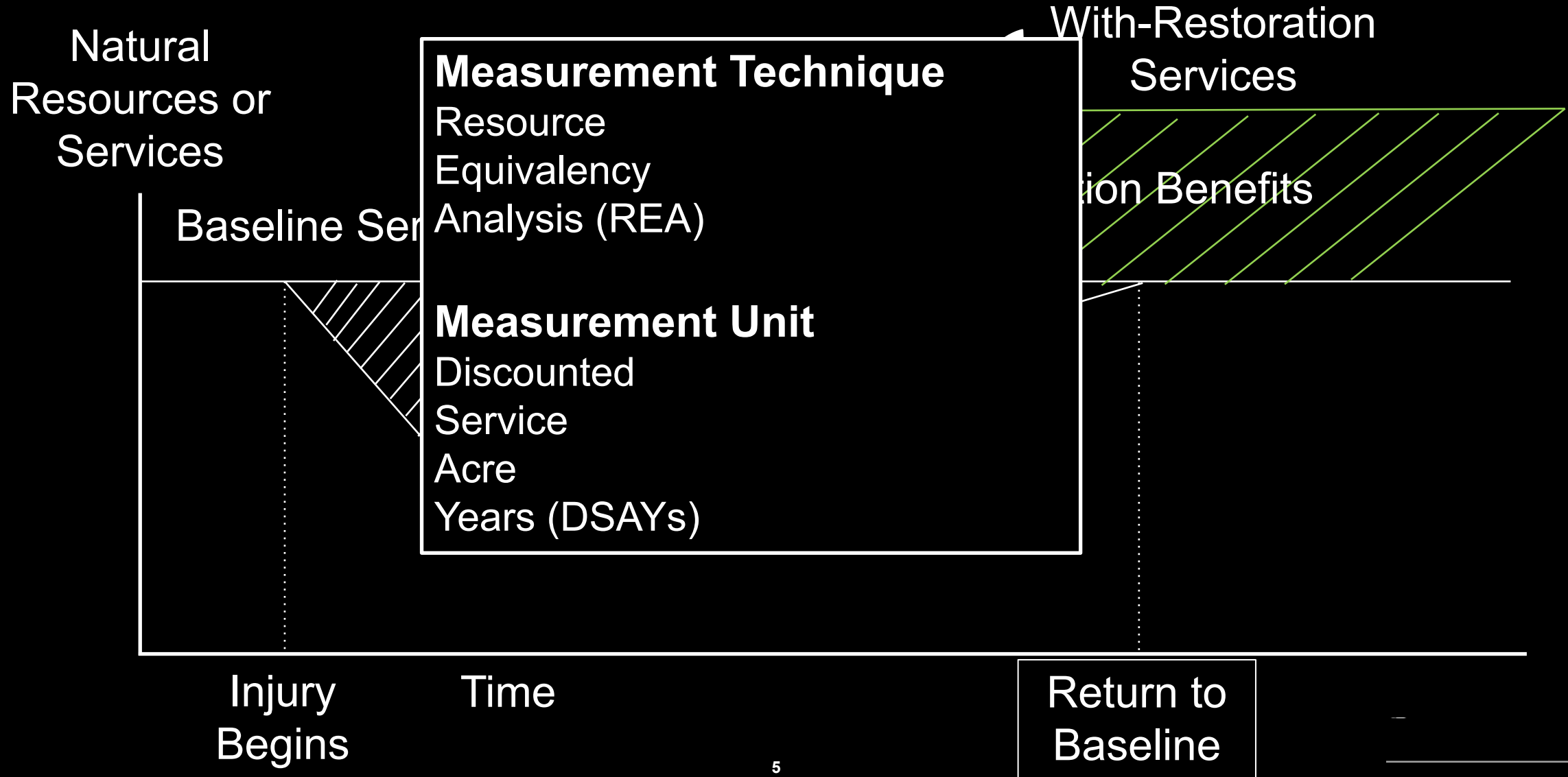
Natural
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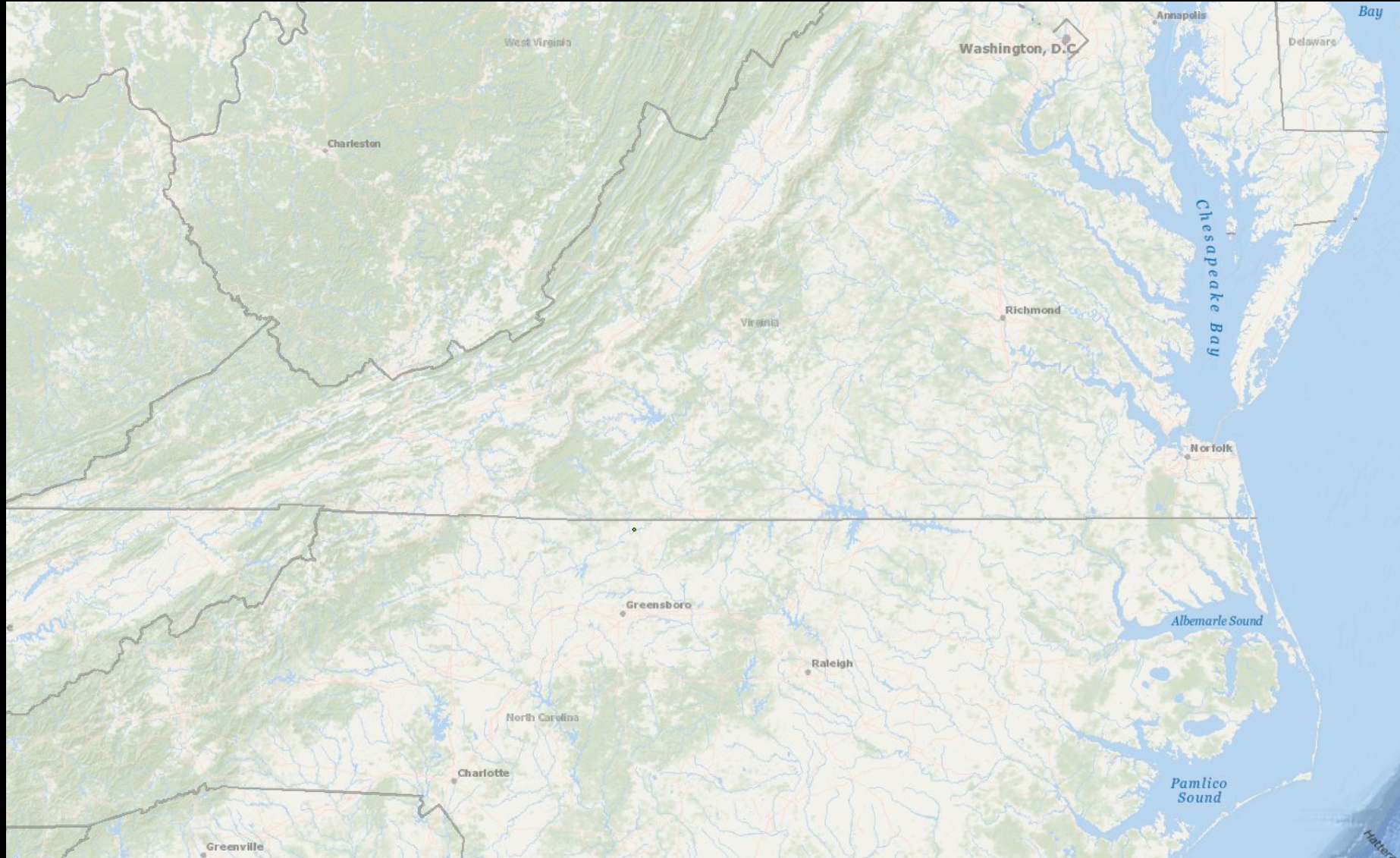
Estimating the Benefits of Restoration



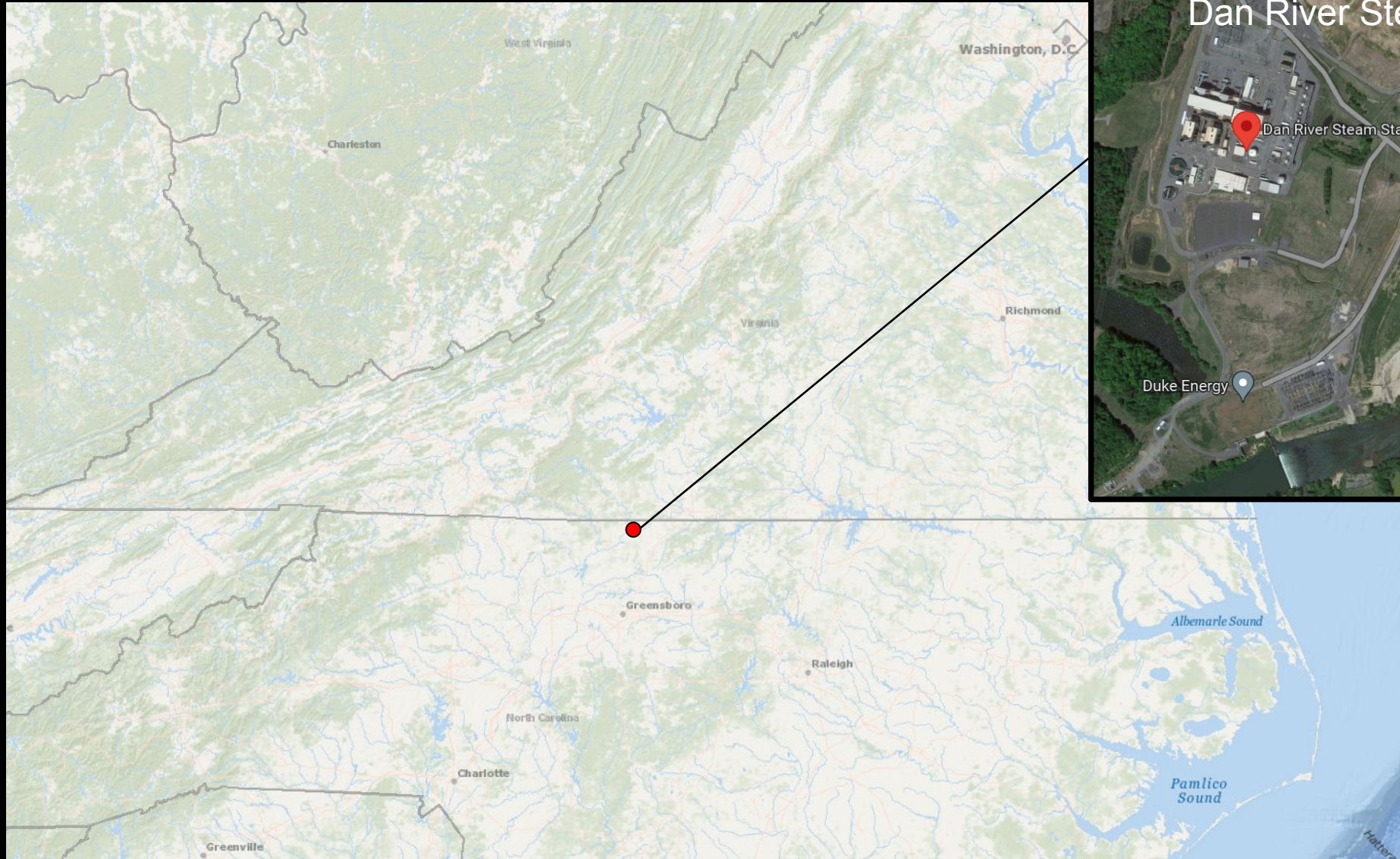
Quantifying Damages & Restoration Benefits



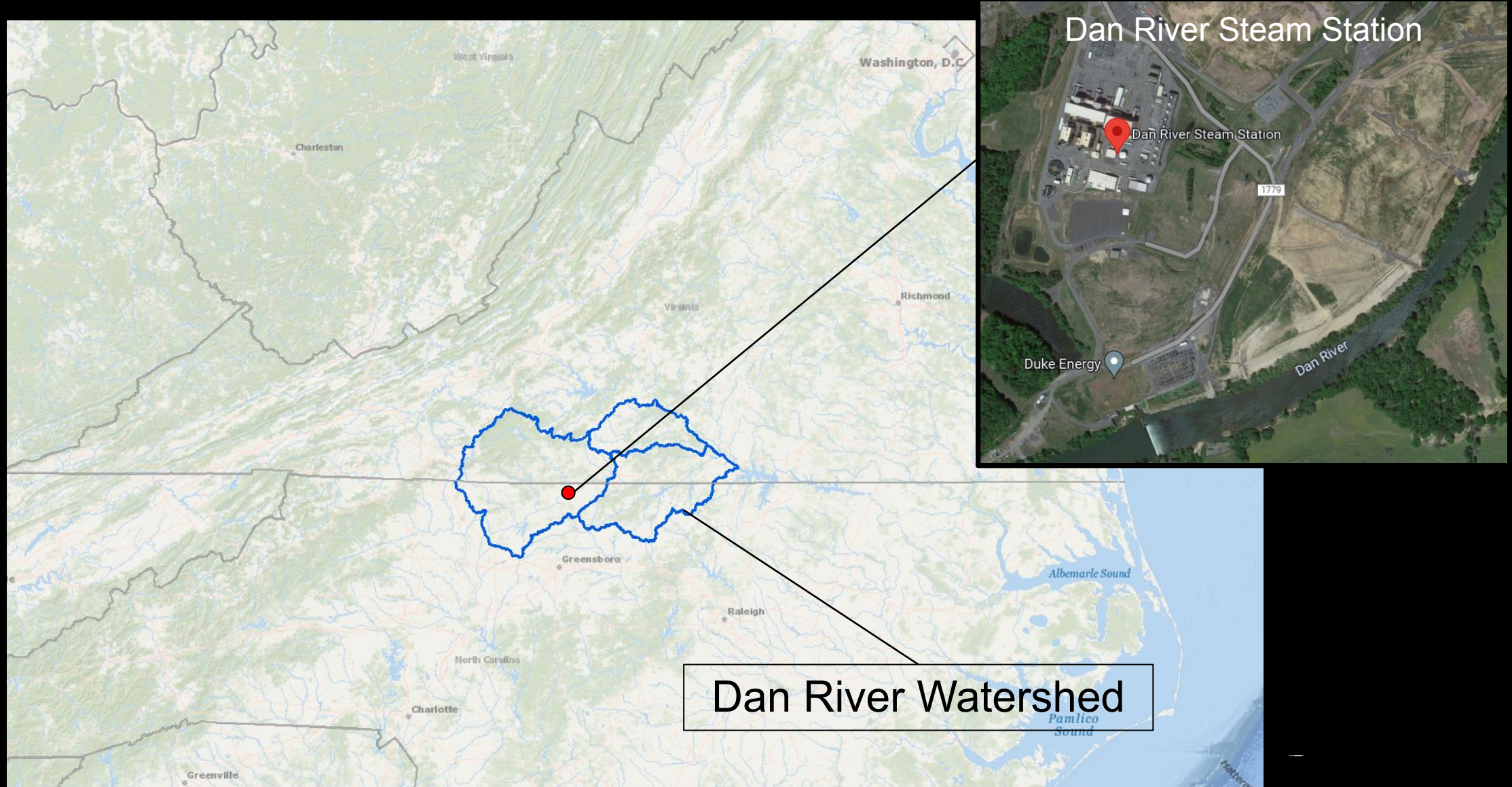
Dan River Coal Ash Spill & Pigg River Restoration



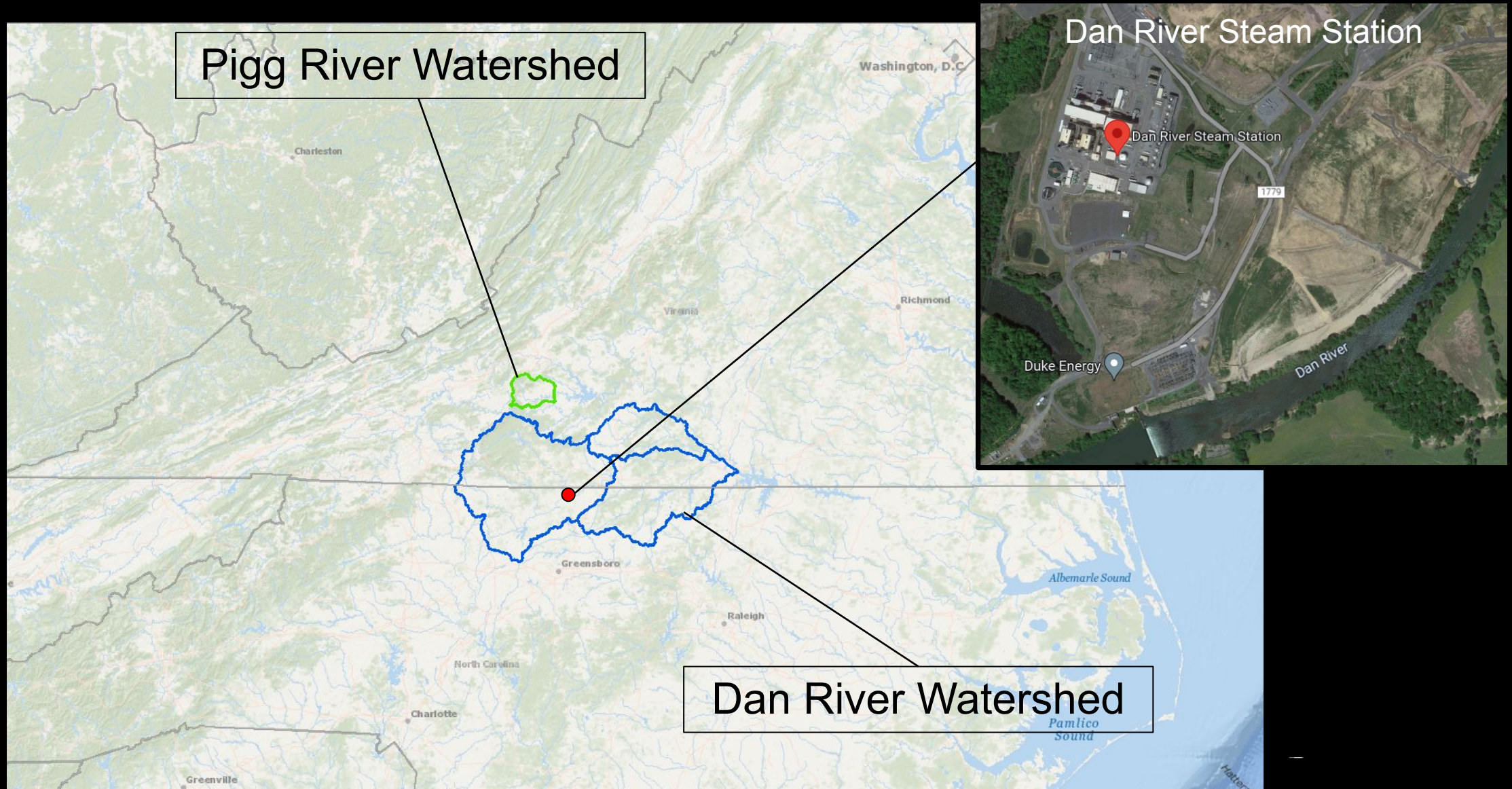
Dan River Coal Ash Spill & Pigg River Restoration



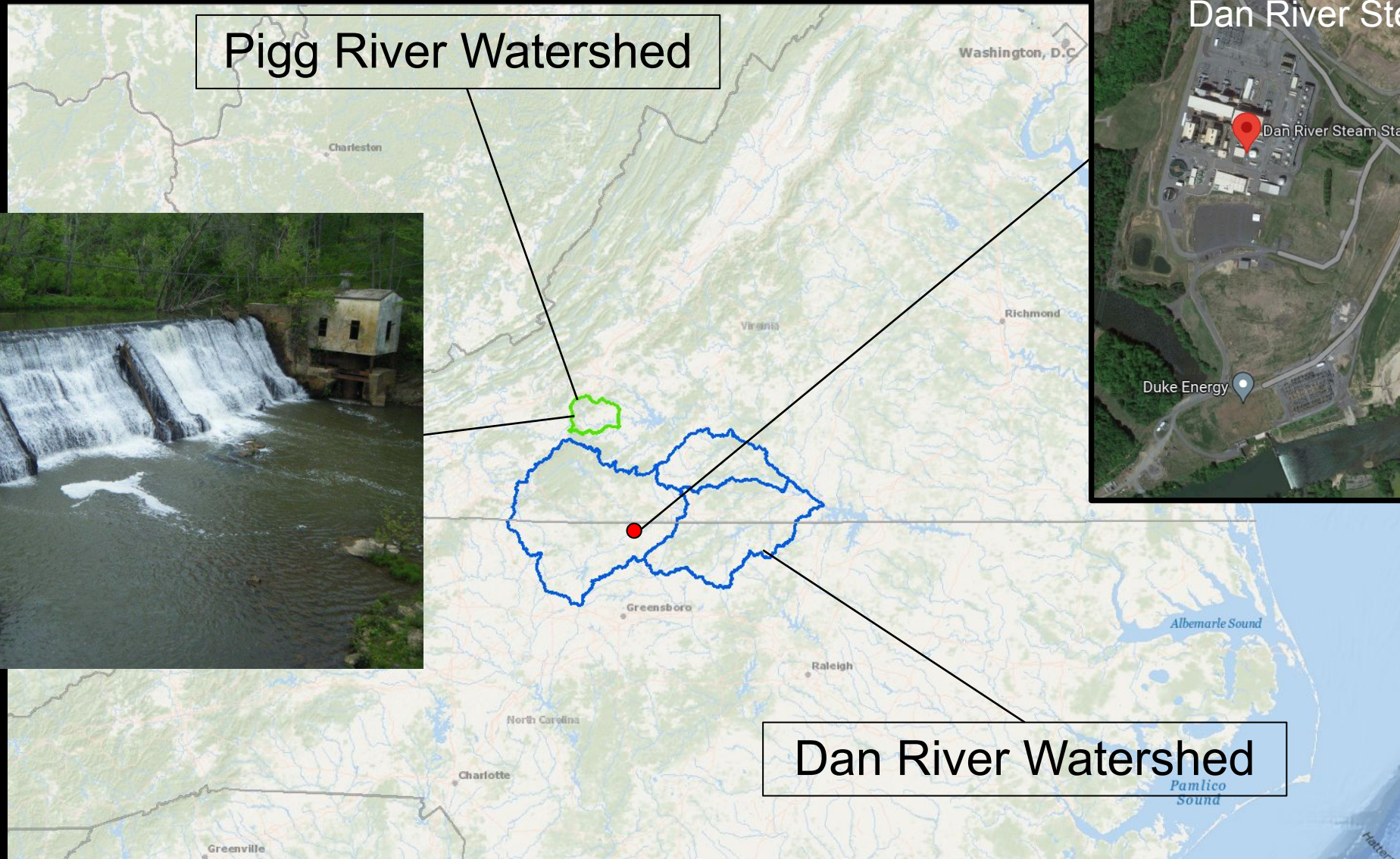
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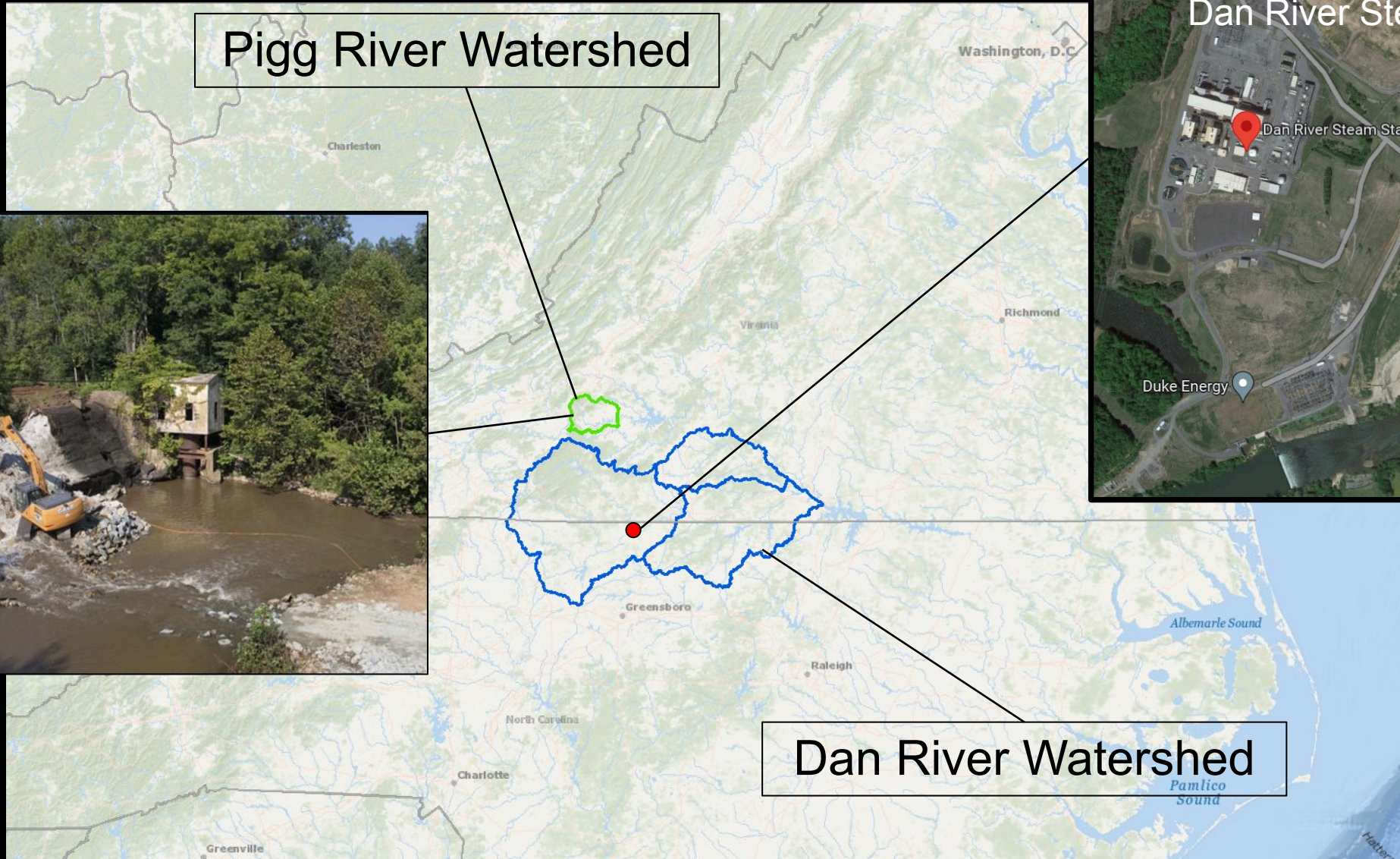
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Application of NRDAR to Offshore Wind

- ❑ Natural Resource Damage Assessment and Restoration (NRDAR) process provides the ability to evaluate and directly compare
 - the ecological and human-use damages of environmental impacts and
 - restoration project benefits
- ❑ Provides a useful framework for evaluating potential ecological mitigation projects for offshore wind
- ❑ Important components for offshore wind evaluation include
 - Focusing on specific species
 - Measurement of potential impacts to those species and timing of when they occur (damages and restoration)
 - Optimal restoration location
 - Sometimes the best restoration project is not in the location where damages occur
 - This is especially important for biodiversity
 - Analysis can account for spatial and biodiversity differences between damages and restoration



Questions or Comments

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