

Innovative On-Site and Remote Modeling Techniques to Quantify Biodiversity and Pollinator Habitat Potential

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Private landowners have multiple options for generating value on their land such as mining, which is rivalrous and excludable to carbon sequestration which is non-rivalrous and non-excludable as well as all of those options in between. We use a Natural Capital Valuation framework and methods to identify which options can potentially generate the most value and which may be more compatible with each other in terms of preserving the overall value of the land parcel. Accordingly, this talk discusses market valuation methods to measure rivalrous and excludable options and willingness-to-pay studies using benefit transfer to measure the non-rivalrous and non-excludable options allowing landowners to optimize among different options and to better understand the ensuing tradeoffs among options.

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