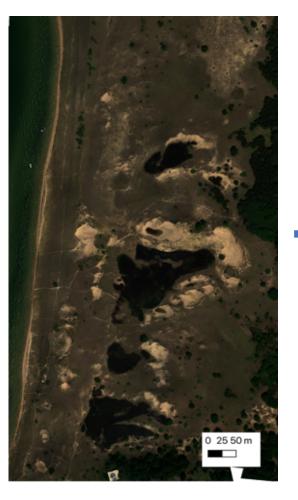
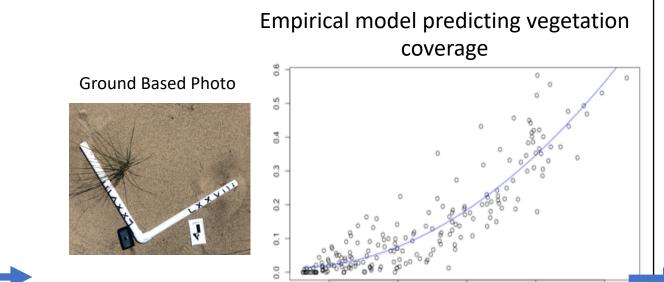
Mapping Dune Vegetation Using Drones and Machine Learning

Jack Krebsbach, Dr. Brian Yurk, Dr. Paul Pearson, Dr. Edward Hansen, Eric Leu

Dune Complex (SHNA): Orthomosaic





High-Altitude Photo

- Use machine learning to estimate vegetation coverage in ground-based imagery
- Calculate Normalized Difference Vegetation Index (NDVI) in high-altitude imagery
- 3. Create Empirical Model predicting coverage from Ave. NDVI Values
- 4. Apply model to the entire orthomosaic

