Planted

on North Beach Dune

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Abstract

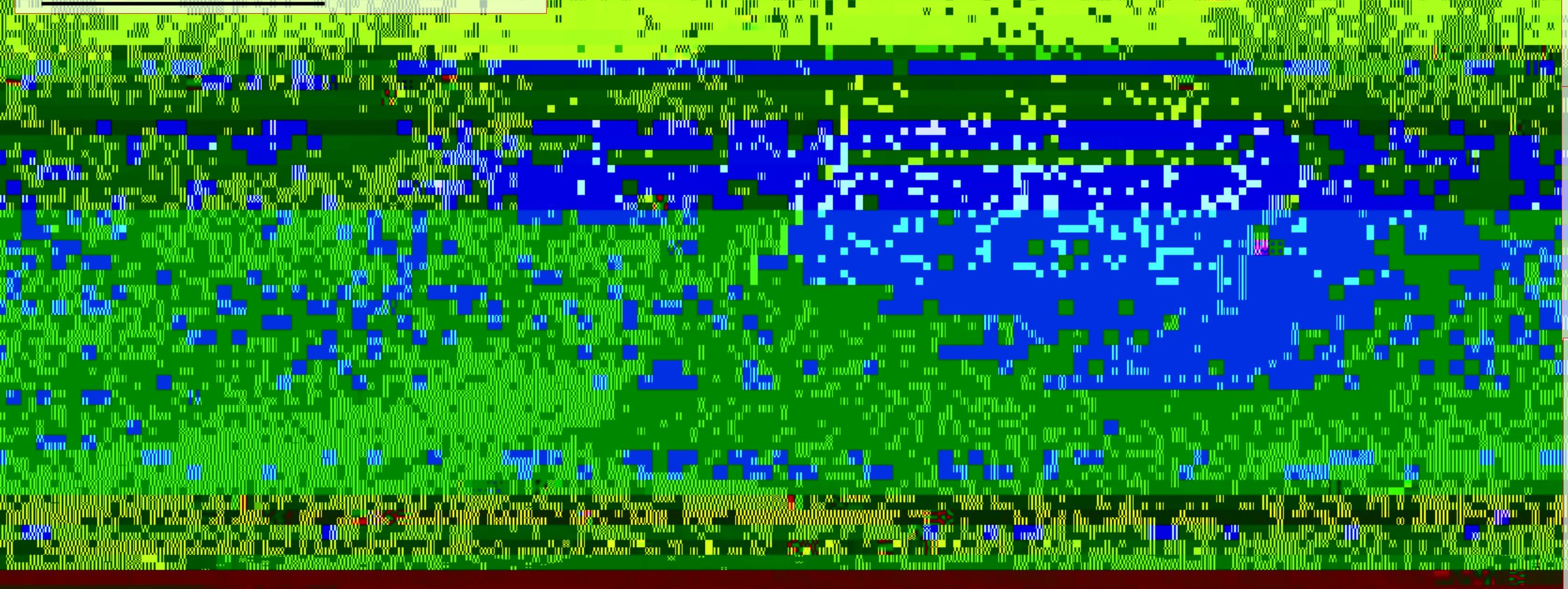
On the North Beach dune, adjacent to North Beach Park in Michigan, vegetation was planted in order to stabilize the dune. It is known that planting dune grasses can alter topography, but the survivability and resilience of planted grass is less known.

To determine what relationship dune topography has with these variables, the plant health was determined by visual evaluation and species height was determined by measuring plants found in quadrats. Since the vegetation plantings in 2006 and 2013, plant health is now moderately healthy with some of the healthiest, tallest plants on the steeper slopes in our study area.

Our data indicates that there may be a connection between plant health and plant height. The data from various zones provide evidence that connect the different variables.

A positive trend between plant health, plant height, and dune slope can be seen, especially between Zones #4 and #7 (Figure 7).

Introduction



Conclusions

During our research, we recorded plant health, recorded dune slope, and determined average plant height. We also discovered a positive trend between plant health, plant height, and dune slope.

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References

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