

Conference Presentation: Schumerth, Noah, Kelly Adamovicz, Simon E. Detmer, David Martinez Vasquez, Jessie VandeKieft, Madelyn Vander Veen, Catherine Worthington. 2019. "Distribution of *Tsuga Canadensis* and *Adelges Tsugae* Infestation on a Michigan Coastal Dune." Annual Meeting of the Michigan Academy of Science, Arts, and Letters, Alma College (Alma, MI), 1 March 2019.

Abstract: Eastern Hemlock (*Tsuga canadensis*), a species of climactic vegetation found in mature forests on dune systems in western Michigan, has been preyed upon by hemlock woolly adelgid (*Adelges tsugaes*

concentrated hemlock stands using GPS receivers. Tree diameter, stand environmental characteristics of hemlock trees and stands were collected. Field data provided evidence of symptoms of HWA infestation throughout the dune