Research and Fellowship Reports from Pierce Cedar Creek Institute

The following are the titles of projects completed at Pierce Cedar Creek Institute since 2005. Each title includes students and faculty last names, project title, year, and the institution. Projects also include a link to the final report or an abstract. Full research and fellowship reports are available by contacting Matthew Dykstra, Field Station Manager at: dykstram@cedarcreekinstitute.org.

Gordon Art Fellowship Recipients


Bishop, T., and Davis, B. 2013. Concealed Wetlands. Western Michigan University. (Report)


**Graduate Research Fellowship Recipients**


**Land Management Fellowship Recipients**

Bacik, G. 2018. Kellogg Community College

VanderLaan, G. 2018. Calvin College

Fassett, K. 2017. Grand Valley State University

Willson, A. 2017. Aquinas College

Christoffersen, H. 2016. Grand Valley State University

Lucas, C. 2016. Western Michigan University

**Nature in Words Fellowship Recipients**


**Environment Research Grant (Undergraduate Research Grants for the Environment) Recipients**

**2018**


Willson, A., Clark, S., and Humphrey, R. 2018. Abiotic factors affecting the prevalence of *Rosa multiflora* (Rosaceae) populations at Pierce Cedar Creek Institute (Hastings, Michigan, USA). Aquinas College. (Abstract)

2017


Fuller, J. and M. Wells. 2017. The Effects of Forest Fragmentation on Microbial Communities and Substrate Metabolism at the Pierce Cedar Creek Institute in Southern Michigan. Hope College. (Abstract)


2016


Scholten, C., Strydhorst, K., and Proppe D. 2016. The effects of social cues and anthropogenic noise on settlement patterns and physical traits of Henslow’s sparrows and four other grassland obligate songbirds. Calvin College. (Abstract)

2015


Cooley, O., Previle, N., and Snyder, E. 2015. Aquatic insect drift as a tool for evaluating food web dynamics. Grand Valley State University. (Abstract)


Stoller, P., and Bugajski, K. 2015. How predator presence influences blow fly oviposition through chemical and visual cues. Valparaiso University. (Abstract)

2014


2013


Cushman, D., Johnson, T., and Keys, R. 2013. Using Electronic Field Recordings to Increase the Accuracy of Point Counts by Field Observers. Cornerstone University. (Read Document)


Harris, D., Geleynse, K., and Dornbos, D. 2013. Development of a GIS Model to Optimize the Gross Primary Productivity of Terrestrial Plant Communities and the Potential to Store Carbon in Soils at PCCI. Calvin College. (Read Document)

Harvey, M., and Gilginas, J., Keenlance, P., and Jacquot, J. 2013. Spatial Ecology of Raccoons at Pierce Cedar Creek Institute, in Relation to Raccoon Latrine Sites Known Foci for the Spread of Baylisascaris procyonis, Raccoon Roundworm. Grand Valley State University. (Read Document)


2012


Smith, N.C., and Fraser, A. 2012. Detection of iridoids in snapdragons and methods to observe effects of toxic nectar on pollination behavior of bumblebees. Kalamazoo College. (Read Document)

Wald, M., and Fraser, A. 2012. Effects of simulated herbivory on cardenolide levels in Asclepias syriaca and consequences for butterfly pollinators. Kalamazoo College. (Read Document)

2011

Armagost, J.E., Johnson, A.C., and Malcolm, S. 2011. Temporal and spatial changes in monarch butterfly population synchrony in Michigan and density-dependent influences on the incidence of the protozoan parasite, Ophryocystis elektroscirrha. Western Michigan University. (Read Document)


Herakovich, H., and Eberhardt, L. 2011. The quantification of autumn olive’s (Elaeagnus umbellata) structure and its effect on bird behavior. Valparaiso University. (Read Document)


2010
Alverson, D., Crane, S., and Sotherland, P. 2010. Variation of roost site selection observed in Myotis lucifugus at PCCI. Kalamazoo College. (Read Document)


MacLeod, A., Snyder, C., and Koretsky, C. 2010. Comparison of urban/suburban lakes and rural lakes for eutrophication and salinity. Western Michigan University. (Read Document)


2009

Borek, K., and Silvieus, S. 2009. DNA barcoding of Quercus sp. at Pierce Cedar Creek Institute using the matK gene. Aquinas College. (Read Document)

Caldwell, C., and Snyder, E. 2009. Response of chemophysical variables and macroinvertebrate communities to the presence and drawdown of a low-head dam. Grand Valley State University. (Read Document)

Houghton, D., Soley, C., and Eberhardt, L. 2009. The impacts of an invasive shrub, autumn olive (Elaeagnus umbellata), on behavior and nesting success of American robins (Turdus migratorius) and northern cardinals (Cardinalis cardinalis). Valparaiso University. (Read Document)


Mills, Z., and Dunn, J. 2009. Factors that determine distribution of butterflies within complex prairie habitats at Pierce Cedar Creek Institute, Barry County, MI. Grand Valley State University (Read Document).


2008


Holderread, A., and Aljobeh, Z. 2008. Water quality and hydrology in the Cedar Creek watershed within the Pierce Cedar Creek Institute property. Valparaiso University. (Read Document)

Hovey, J. 2008. A landscape history of Pierce Cedar Creek Institute from pre-Columbian times to the present. Western Michigan University. (Read Document)

Krintz, M., and Eberhardt, L. 2008. The effects of autumn olive (Elaeagnus umbellata) on breeding bird nest predation and activity at Pierce Cedar Creek Institute. Valparaiso University. (Read Document)

Lodewyck, R., Fouty, R., Weeks, D., and Burton, S. 2008. Comparison of various population parameters for green frogs across three different wetland habitats at Pierce Cedar Creek Institute. Aquinas College, Western Michigan University, and Grand Valley State University. (Read Document)


2007


Koperski, C., and Dunn, J. 2007. Lepidopterans and Hemipterans and their use as prairie bioindicators. Grand Valley State University. (Read Document)

Paladino, A., and Keys, R. 2007. Effects of potential habitat fragmentation by white-tailed deer (Odocoileus virginianus) on raccoon (Procyon lotor) home range. Cornerstone University. (Read Document)


Weeks, D., and Burton, S. 2007. Is territorial behavior in green frogs (Rana clamitans) related to defending oviposition sites or protection from predators? Grand Valley State University. (Read Document)


2006

Engers, W., and Bultman, T. 2006. Foraging habits of Neoantistea magna (Araneae: Hahniidae). Hope College (Read Document)


Heys, B., and Keys, R. 2006. The potential habitat fragmentation caused by white-tailed deer (Odocoileus virginianus) and its impact on nest predation. Albion College. (Read Document)

Higgins, J., and Bajema, R. 2006. Characterizing the physical and biological environments of the lotic ecosystems of Pierce Cedar Creek Institute. Aquinas College. (Read Document)


2005


