

**Emily Marie Dean**  
Email: deanemi2@msu.edu  
Cell: (616) 638-0168

**Current Address**

1660 South Shore Ave  
Unit B1  
East Lansing, MI 48823

***Education***

**2010 August-April 2014: Grand Valley State University, Allendale**

Bachelor of Science, Major: Biology, Minor: Chemistry

GPA: 3.940

Institutional Honors: Magna Cum Laude

Graduation date: April 26, 2014

**2014 August-April 2016: Grand Valley State University, Allendale**

Master of Science in Biology

GPA: 4.0

Graduation date: April 30, 2016

**2016 August: Michigan State University, East Lansing**

Doctor of Philosophy student in Fisheries and Wildlife

***Experience***

**2012 October-April 2016: Grand Valley State University, Allendale. Undergraduate and Graduate (Masters) Research under Dr. Mark Luttenton. Investigating if introduced adfluvial fish *Oncorhynchus tshawytscha* and *Oncorhynchus mykiss* supplement energy into Great Lakes coastal streams.**

Designed experiment

Performed bomb calorimetry on fish tissue, fish eggs, and selected macroinvertebrates

Field work includes drift nets and correspondence with the Little Manistee Weir

Carried out statistical analyses

Thesis defended March 29, 2016

**2015 August-April 2016: Grand Valley State University, Allendale. President of Biology Graduate Club.**

Presided over all meetings of Biology Graduate Student Association

Created agendas and plans for organization

Represented the Biology Graduate Student Association at meetings

**2016 August: Michigan State University. Doctoral student and research assistant under Dr. Dana Infante.**

## ***Presentations***

Dean, E. M., and M. R. Luttenton. 2015. A re-evaluation of aquatic caloric densities using bomb calorimetry. Poster session presented at the Annual Meeting of the Society of Freshwater Science, Milwaukee, WI.

Dean, E. M. and M. R. Luttenton. 2016. Seasonal fish migration supplements the energy budget of a coastal Lake Michigan stream. Oral presentation presented at the Midwest Fisheries and Wildlife Conference, Grand rapids, MI.

Dean, E. M. and M. R. Luttenton. 2016. The effect of seasonal fish migration on energy budgets in two coastal Michigan streams. Oral presentation presented at the Annual Meeting of Society for Freshwater Science, Sacramento, CA.

## ***Workshops and Seminars***

Fish Bioenergetics 4.0 Workshop, 2016 Midwest Fisheries and Wildlife Conference, Grand Rapids, MI.

## ***Awards***

### **2016 August- April 2017: Graduate Assistantship Tuition**

Michigan State University, MI

Position: Research Assistant

\$15,200/year

### **2016 April: Graduate Dean's Citation for Academic Excellence**

Grand Valley State University, MI

### **2015 May-August 2015: Presidential Research Grant for Master's thesis "*Do Adfluvial Fishes Supplement Energy to a Freshwater Coastal System?*"**

Grand Valley State University, MI

\$1,875.00

### **2014 August- April 2016: Graduate Assistantship Tuition**

Grand Valley State University, MI

Position: Instructor for BIO 104 Biology for the 21<sup>st</sup> Century (2014-2016) and BIO 120 General Biology (2015-2016)

\$10,602.00/year

### **2013 August-April 2014: Grand Finish Grant**

Grand Valley State University, MI

\$1,200.00

### **2013 August-April 2014: Stein Biology Scholarship**

Grand Valley State University, MI

\$1,200.00

**2010 August-April 2014: GV Award for Excellence**

Grand Valley State University, MI

\$4,200.00

***Memberships***

**Inducted 2015 May. American Association for the Advancement of Science.**

**Inducted 2015 January. Society of Freshwater Science.**

**Inducted 2015 January. American Fisheries Society.**

**Inducted 2013 March. The Honor Society of Phi Kappa Phi.**

**Inducted 2012 August. Sigma Alpha Lambda, National Leadership and Honors Organization.**

**Inducted 2012 November. Omicron Delta Kappa, The National Leadership Honor Society.**

***GRE Score***

GRE taken 7/29/2013

Verbal Reasoning Score: 154 (63%)

Quantitative Reasoning Score: 152 (48%)

Analytical Writing: 4.0

***Collegiate Extracurricular Activities***

2010 August-April 2012 Grand Valley State University Women's Water Polo Club

2012 August-April 2014 Grand Valley State University Women's Rugby Club

***Relevant Skills***

Bomb calorimetry – 4 years experience, extensive knowledge of mathematical calculations and operational use

R program – 2 years experience, extensive knowledge on univariate and multivariate tests

Microsoft Word, Excel, PowerPoint – general knowledge

***References***

Dr. Dana Infante

Michigan State University

Fluvial Landscape Ecology

318 Manly Miles Building

1405 South Harrison Road

Email: [infanted@anr.msu.edu](mailto:infanted@anr.msu.edu)

Dr. Mark R. Luttenton  
Grand Valley State University  
Aquatic Biology; Ecology  
208 Henry Hall  
1 Campus Dr.  
Allendale, MI 49401  
Phone: (616) 331-2503  
Email: [luttentm@gvsu.edu](mailto:luttentm@gvsu.edu)

Dr. James Dunn  
Grand Valley State University  
Entomology; Plant Responses to Herbivory  
206 Henry Hall  
1 Campus Dr.  
Allendale, MI 49401  
Phone: (616) 331-3439  
Email: [dunnj@gvsu.edu](mailto:dunnj@gvsu.edu)