

Department of Biological Sciences Virginia Tech,  
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## **Education**

### **Ph.D. In Biological Sciences, Expected 2020:**

Department of Biological Sciences, Virginia Tech, Blacksburg, VA.  
Advisor: Dr. Cayelan C. Carey.

### **B.S. In Ecology, cum laude, 2012:**

Department of Ecology, Montana State University Bozeman, MT.  
Advisor: Dr. Wyatt F. Cross.

## **Positions held**

### **Freshwater Science Research Technician:**

2015

Biological Sciences, Virginia Tech.

Location: Blacksburg, Virginia.

(Dr. Cayelan C. Carey)

### **Evolutionary Sciences Research Internship:**

2014-2015

Guppy Project, UC Riverside

Location: Trinidad and Tobago.

(Dr. David N. Reznick)

### **Ecology Research Technician:**

2014

Montana State University, Bozeman MT

Location: Yellowstone & Missouri Rivers, Montana.

(Dr. Wyatt F. Cross and Montana FWP)

### **Ecology REU Scholarship:**

2012

Montana State University

Location: Reykjavík, Iceland.

(Dr. Wyatt F. Cross and Dr. James M. Hood II)

### **Ecology Lab Technician:**

2008-2012

Montana State University

Location: Bozeman, Montana and Yellowstone National Park.

(Dr. Wyatt F. Cross and James R. Junker)

**Current research interests**

- Carbon cycling and greenhouse gas emissions.
- Nutrient dynamics in reservoirs.
- Reservoir manipulations and climate induced transformations on ecosystems.

**Presentations**

**R.P. McClure**, J.P. Doubek, Z.W. Munger, B.R. Neiderlehner and C.C. Carey. *Dynamic responses of greenhouse gases to whole-ecosystem manipulations in a eutrophic reservoir*. Poster presentation. October 2015

GLEON 17 All Hands Conference  
Chuncheon, South Korea

**R.P. McClure**, C. Chen, K.D. Hamre, C.W. Harrell, Z.W. Munger, B.R. Neiderlehner and C.C. Carey. *Dynamic responses of greenhouse gases to whole-ecosystem manipulations in a eutrophic reservoir*. Poster presentation. August 2015

International Water Association Symposium  
Mountain Lake, Virginia

**R.P. McClure**, W.F. Cross, J.M. Hood, J.R. Junker, J.P. Benstead, A. Keasberry, D. Nelson. *Effects of temperature and body size on instantaneous growth rate of *Radix peregra* in Icelandic streams*. Poster presentation. December 2012

Montana State University Undergraduate Research  
Bozeman, Montana

**Fellowships**

NSF – REU Student Fellowship 2012  
Western Virginia Water Authority Graduate Research Fellowship. 2015-2016

**Grants**

SAVI (NSF Science across Virtual Institutes) Travel Grant: \$900. August 2015

## **Teaching experience**

Montana State University, Smarty Cats Science Tutor for undergraduates.

2011-2012

## **Skills**

- Familiar with Spanish.
- Confident with computer language including R and MATLAB.
- Certified Scuba Diver. (PADI 2008).
- Swift Water Technician, Wilderness First Aid and CPR certified.

## **Society Affiliations**

GLEON (Global Lake Ecological Observatory Network)

Present

## **References**

Cayelan C. Carey, Ph.D.  
Assistant Professor  
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2011 Derring Hall  
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Wyatt F. Cross, Ph.D.  
Associate Professor of Ecology  
Director, Montana Water Center  
Montana State University  
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James M. Hood II, Ph.D.  
RANNIS Postdoctoral Fellow  
Montana State University  
Icelandic Institute of Freshwater Fisheries  
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