

Matthew Kaylor

N95 W5750 Dorchester Dr.
Cedarburg, WI
414-405-9500
mjkaylor@gmail.com

Education

University of Minnesota-Twin Cities
Bachelor of Science May 2011
Major: Environmental Science, Policy and Management
Emphasis: Conservation and Resource Management
GPA: 3.86/4.00

University of Hawaii at Hilo
Marine Option Program Certificate Spring 2010- Fall 2010
GPA: 3.82/4.00

Awards and Honors

Deans List, all semesters: University of Minnesota
Deans Scholarship, all semesters: University of Minnesota
Graduation with distinction (GPA>3.75): University of Minnesota

Research Experience

Field Technician, Intern
Environmental Dynamics and Ecosystem Response (ENDER) Team,
Experimental Program to Stimulate Competitive Research (EBSCoR)
Hilo, HI February-May 2012; October 2012-present

Assisting in the installation and censusing of permanent forest dynamics plots in this NSF-funded project:

- Identifying, measuring and tagging native tree species and recording data using field computers equipped with geospatial software
- Managing data sets, preparing summary reports, sorting native seeds and planning for extensive camping trips
- Hiking in rough and rugged terrain under a variety of environmental conditions and camping for up to a week at a time

Student Research Assistant
University of Hawaii at Hilo, Marine Science Department August 2010-May 2011

Conducted research on the physical properties of fragmented beach plastics

- Assisted in all aspects of the project including experimental design, methodology, sample collection, laboratory analysis and data analysis
- Independently analyzed over 250 plastic fragments using a Fourier-Transform Infrared (FT-IR) spectrometer to determine polymer composition
- Collaborated on the writing and publishing of manuscript

Professional Experience

Biological Science Technician (Fisheries), Crew Leader USDA Forest Service

Eagle River, WI May-August 2010; May-September 2011; May-September 2012

- Supervised seasonal employees on fish and wildlife habitat improvement projects
- Designed and implemented stream restoration projects on degraded trout streams effectively narrowing and deepening stream channels, increasing water current speed, reducing water temperature and providing increased trout habitat
- Conducted fish and wildlife surveys including stream electroshocking, fyke netting, spawning surveys, Goshawk timber stand surveys, wolf howl surveys, herpetology surveys, bat acoustic surveys, breeding bird surveys and Spruce Grouse telemetry
- Operated and supervised operation of equipment such as chainsaws, brush saws, boats, trailers, 4x4 vehicles, ATVs, UTVs and deck mowers in remote and rugged terrain
- Wildland Fire certified with fire details to Michigan and Missouri, 2012

Publications

Henry S. Carson, Steven L. Colbert, **Matthew J. Kaylor** and Karla J. McDermid (2011)
Small plastic debris changes water movement and heat transfer through beach sediments.
Marine Pollution Bulletin, 62.8: 1708-1713

References

Henry Carson Ph. D

Post-Doctoral Research Scientist
University of Hawaii at Hilo
Phone: (808) 933-3880
Email: hcarson@hawaii.edu
(Instructor-Marine Debris in the Pacific;
Supervisor- undergraduate research
project)

Mike Peczynski

District Wildlife Biologist
USDA Forest Service
Phone: (715) 479-5709
Email: Mpeczynski@fs.fed.us
(Supervisor)

Jeremy Hubbard

Wildlife Technician
USDA Forest Service:
Phone: (715) 479-5709
Email: jeremyhubbard@fs.fed.us
(Field supervisor)

Joshua VanDeMark

Botanical Research Specialist
Research Corporation of the University
of Hawaii
Phone: (808) 985-6073
Email: Joshuarv@hawaii.edu
(Supervisor: EBSCoR project)