

COLLEEN SUTHEIMER

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EXPERIENCE

JULY 2018 – PRESENT

GRADUATE RESEARCH ASSISTANT, SILVIS LAB, UNIVERSITY OF WISCONSIN-MADISON

Fully funded RA to investigate historical fire regimes in peatland systems of the upper Great Lakes Region to inform forest management. Work includes organizing, leading, and conducting field work, conducting dendrochronology techniques to process and crossdate fire-scarred tree samples, data management and organization with Excel and fire history software, analyses using FHAES and statistical programs like R, preparing yearly progress reports for funding sources, leading bi-annual update calls for multi-agency collaborative (WDNR, TNC, LANDFIRE, Michigan Tech University, USFS, and MNFI), writing, revising and publishing manuscripts, presenting at national, regional, and statewide conferences and team leadership meetings.

JULY 2017 – JULY 2018

FIELD RESEARCH ASSOCIATE, UNIVERSITY OF MONTANA

Served as the primary research technician working on a long-term elk monitoring project in a remote area of the Canadian Rocky Mountains. Primary duties included arduous field work, maintaining a long-term database, coordinating vegetation surveys, and participating in elk captures.

OCTOBER 2016 – JUNE 2017

NATURAL RESOURCE RESEARCH TECHNICIAN, WISCONSIN DEPARTMENT OF NATURAL RESOURCES

Crew lead assisting on research projects reconstructing historical fire regimes and assessing the efficacy of prescribed burn practices. Fire regime work involved field and lab work collecting, processing, and crossdating fire-scarred tree samples. Prescribed burn research involved assisting on prescribed burns, burn monitoring, vegetation surveys, data input, and field equipment maintenance and organization.

APRIL – SEPTEMBER 2016 AND APRIL – OCTOBER 2015

BIOLOGICAL SCIENCE TECHNICIAN, UNITED STATES FISH AND WILDLIFE SERVICE

Primary duties involved monitoring federally threatened Piping Plovers and data management. Other duties included wildlife counts, vegetation surveys, and assisting in land management and property maintenance on Lostwood NWR and WMD including prescribed burns, fencing, and herbicide application.

OCTOBER 2015 – APRIL 2016

WILDLIFE BIOLOGIST-LTE, WISCONSIN DEPARTMENT OF NATURAL RESOURCES

Worked as a liaison for chronic wasting disease (CWD) sampling stations in south central Wisconsin working directly with station owners and the public, assisted in wildlife management and land management in south central Wisconsin including wildlife surveys (aerial and ground), pheasant stocking, mowing, prescribed burns, property maintenance, endangered resource reviews, issuing permits, and negotiating farming agreements on state properties.

AUGUST 2014 – APRIL 2015

WILDLIFE TECHNICIAN-ADV, WISCONSIN DEPARTMENT OF NATURAL RESOURCES

Worked as a liaison for chronic wasting disease (CWD) sampling stations in southwest Wisconsin working directly with station owners and the public, assisted in wildlife management and land management in southcentral Wisconsin including wildlife surveys (aerial and ground), pheasant stocking, mowing, prescribed burns, and property maintenance.

MAY– JULY 2013 and MAY- JULY 2014

BIOLOGICAL SCIENCE TECHNICIAN, UNITED STATES GEOLOGICAL SURVEY

Worked for two field seasons in western North Dakota studying effects of oil development on grassland birds using point count and transect surveys. During my second season served as crew lead with additional duties of organizing site visits, training field technicians, and overseeing work of other technicians.

EDUCATION

SEPTEMBER 2018 TO PRESENT (EXPECTED DEFENSE AUGUST 2021)

MASTER OF SCIENCE IN FORESTRY, UNIVERSITY OF WISCONSIN-MADISON

DECEMBER 2012

BACHELOR OF SCIENCE IN BIOLOGY, UNIVERSITY OF WISCONSIN-MADISON

Graduated with distinction, GPA of 3.636 with focus on forestry, wildlife ecology, and environmental studies

CERTIFICATIONS

12 AUGUST 2019 NASBLA BOATER SAFETY CERTIFICATION

30 APRIL 2019 HEARTSAVER CPR AND AED CERTIFICATION

28 JUNE 2016 USFWS HEAVY EQUIPMENT TRAINING AND CERTIFICATION

04 JUNE 2015 USFWS OFF-ROAD UTILITY VEHICLE SAFETY TRAINING

22 APRIL 2015 IS-00700.A INTRODUCTION TO NATIONAL INCIDENT MANAGEMENT SYSTEM

02 APRIL 2015 WDNR ATV EDUCATION COURSE

08 MARCH 2015 IS-00100.B INTRODUCTION TO INCIDENT COMMAND SYSTEM ICS-100

08 MARCH 2015 S-130/S-190/L-180

28 OCTOBER 2014 BASIC CHAINSAW OPERATION CERTIFICATION

PRESENTATIONS

3 FEBRUARY 2021

MULTI-PROXY APPROACH FOR RECONSTRUCTING FIRE HISTORY IN PEATLANDS AND THE GREAT LAKES

Oral presentation for the Lake States Fire Science Consortium Annual Burning Issues Workshop and Michigan Prescribed Fire Council

4 NOVEMBER 2020

RECONSTRUCTING FIRE HISTORY IN PEATLANDS AND THE GREAT LAKES

Oral presentation on fire research in Great Lakes Region presented at the Great Lakes Indian Forest and Wildlife Commission's Tribal/Forest Service annual meeting

19 FEBRUARY 2020

PROJECT UPDATE FOR OTTAWA NATIONAL FOREST LEADERSHIP TEAM MEETING

Oral presentation on fire research in the Ottawa National Forest to update forest leadership team

11 FEBRUARY 2020

PROJECT UPDATE FOR HIAWATHA NATIONAL FOREST LEADERSHIP TEAM MEETING

Oral presentation on fire research in the Hiawatha National Forest to update forest leadership team

18 NOVEMBER 2019 – 22 NOVEMBER 2019

FIRE IN FORESTED PEATLANDS OF THE UPPER GREAT LAKES: RECONSTRUCTING PAST DISTURBANCE FOR CONSERVATION

Presented a poster on fire regimes of three peatland sites across the upper Great Lakes at the Association for Fire Ecology 8th International Fire Ecology and Management Congress

20 FEBRUARY 2019

FIRE IN FORESTED PEATLANDS OF THE UPPER GREAT LAKES REGION: RECONSTRUCTING THE PAST TO PROTECT THE FUTURE

Oral presentation on preliminary data from my master's project focusing on the habitat implications for wetlands at the Wisconsin Wetlands Association annual meeting

14 FEBRUARY 2019

FIRE IN FORESTED PEATLANDS OF THE UPPER GREAT LAKES REGION: RECONSTRUCTING THE PAST TO PROTECT THE FUTURE

Oral presentation on preliminary data from my master's project focusing on habitat implications for land and wildlife management at the annual meeting of the Wisconsin Chapter of the Wildlife Society

02 MARCH 2017

RELATING FIRE INTENSITY TO ITS IMPACTS ON WOODY VEGETATION IN SOUTHERN WISCONSIN

Oral presentation on prescribed fire research project at the annual meeting of the Wisconsin Chapter of the Wildlife Society

GRANTS AND AWARDS

26 FEBRUARY 2020 TO 30 SEPTEMBER 2020

LAKE STATES FIRE SCIENCE CONSORTIUM UNDERGRADUATE INTERNSHIP PROGRAM

Awarded \$4,000 to fund an undergraduate intern to assist on project "A multi-proxy approach to understanding forested peatland fire regimes across temporal and spatial scales." My role included direct management of our undergrad including designating tasks, answering questions, addressing concerns, and working one on one to determine methods and analyses

01 SEPTEMBER 2019 TO 30 AUGUST 2021

JOINT FIRE SCIENCE PROGRAM GRADUATE RESEARCH INNOVATION

Awarded \$25,000 for a multi-proxy approach to understanding forested peatland fire regimes at scales relevant to management. Goals are to (1) develop regional fire history in the upper Great Lakes by adding lake sediment analysis to a comparison of detailed fire reconstruction methods and (2) identify climate-fire interactions across spatial and temporal scales

05 FEBRUARY 2020

2019 UNITED STATES FOREST SERVICE REGIONAL FORESTERS' HONOR AWARDS - HONORABLE MENTION

As a part of the Hiawatha National Forest Landscape Treatment Design Team, awarded an honorable mention for fostering productive and sustainable use of National Forest system land