





UWSP STUDENTS OF FIRE

By: Paul Priestley and Kelley Harkins

INTRODUCTION

CREW SS

- University of Wisconsin Stevens Point
 - College of Natural Resources
- Wildland Fire Science Major
 - ➤ Began in 2013
- Association of Fire Ecology
 - Accreditation of Fire Science program







- Brief History
 - Formed in 1986
 - > Student Operated
 - Multi-disciplinary participation
 - Currently Just over 100 active members





The UWSP Fire Crew is a professional student organization, highly trained and dedicated crew with the primary purpose of wildland fire suppression, prescribed fire operations, and "all-risk" emergency response while providing for the protection and preservation of life, property and natural resources.



- Positions
 - Core Officers (8)
 - Members
- Crew Requirements
 - Wildland FFT2Certification
 - > Annual Refreshers
 - ➤ Pack Test
 - > Shelter Deployment



MUTUAL AID WITH WI DNR



- > Basic Certifications
 - > S-130, L-180, S-190
- > Advanced Certifications
 - ➤ S-131/133 FFT1 Training
 - ➤ S-211 Pumps and Water
 - ➤ S-212 Chainsaws
 - ➤ S-219 Firing Operations



MUTUAL AID WITH WI DNR



- > Suppression aid
- > Prescribed Fire
- ➤ Dispatching
- > Staffing







- > Prescribe Burns
 - ➤ Burn Plans
 - > State, Federal, Private
 - ➤ Ecological Objectives
 - ➤ Map Making



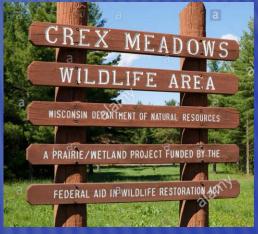






- > Fuel Types in Wisconsin
 - > Prairies
 - > Oak Savannas
 - ➤ Northern Hardwoods
 - ➤ Boreal/Temperate
 Transition Forest
 - > Wetlands







ACTIVITIES



- Workshops
 - Resumes
 - Radios
 - > Flag Fires
 - > Sand Tables
- Weekly PT
 - Variety of workouts
 - Team building





FIRE CREW TRIPS



- > Florida
 - St. Sebastian River Preserve State Park
 - > Florida Park Service
- > Illinois
 - Forest Preserve of Cook County
- **>** Oklahoma
 - ➤ Pushmataha WMA
 - ➤ Long-term research plots



FLORIDA PRESCRIBED BURN TRIP



- St. Sebastian River Preserve State Park
- Mike Roess Gold Head Branch State Park
- > Fuels
 - Longleaf Pine, Palmetto, Wiregrass, Southern Oaks and many more



OKLAHOMA



NRES 499: Oklahoma FireExperience at PushmatahaWildlife Management Area

News Report



CONFERENCES

CAN SP

- ➤ **Arizona**: AFE's 3rd Southwest Fire Ecology Conference
- Michigan: Burning Issues Symposium
- Oregon: IAWF Fire Behavior and Fuels Conference
- ➤ **Texas**: AFE Fire Ecology Congress
 - ▶*Poster Award













FIRE SCIENCE CURRICULUM



- ➤ FOR 450 Fire Policy
 Suppression and Use
- ➤ FOR 324 Fire Management
- ➤ NRES 454 Fire Behavior and Fuels

- NRES 457 EcologicalMonitoring
- NRES 459 EcosystemRestoration andManagement
- NRES 455 Advanced Fire Ecology

FIRE SCIENCE RESEARCH



- CNR Undergraduate Research Symposium:
- Habitat restoration for the Karner Blue Butterfly
- Utilizing Fire and Hydrology to Control Invasive Wetland Flora
- Woody Vegetation encroachment into an oak savannah





Potential Effects of Prescribed Fire on Habitat Restoration for the Federally Endangered Karner Blue Butterfly























CONCLUSION



- Collaboration of students, faculty, and industry professionals
- Education and training for students of fire
- Dynamic future calling for ecologists, managers, and firefighters to approach future challenges



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- Fire Crew Members
- All Cooperating Agencies
- Thank you for your attention!























