



MONTANA

TECHNOLOGICAL UNIVERSITY

Board of Regents Presentation

Wednesday September 15, 2021

Vision 2019-21

- Recruitment/student experience
- Telling our story
- Positioning ourselves for the future
- Successfully navigate COVID-19

Recruitment & student experience

- Enrollment recovery - strategic enrollment plan
- Comprehensive advising
- Expanding student employment
- Facilities and food
- Launch of cross-country/track, Esports



Telling our story

- Constituent survey and stakeholder analysis
- Website redesign
- Messaging/brand launch



Positioning Montana Tech for the future

- Leadership
- Academic programs
- Campus space and master planning
- Strategic plan



Campus Space / Master Plan





MISSION

As Montana's Special Focus Institution, Montana Technological University provides a transformative student experience by developing leaders and advancing science, engineering and technology, with the purpose of benefiting humanity while meeting the changing needs of society.



VISION

To be the institution of opportunity and innovation.

STUDENT SUCCESS

Decidedly distinctive, refreshingly affordable, and intentionally innovative, our robust academic programs, services, and learning environment position students at the center of all we do by focusing on accessibility, engagement, and employability from first impression through graduation and beyond.





PROGRAMS OF DISTINCTION

Deliberately committed to excellence in all programs, we provide transformational experiences in learning, research, and service through experiential learning, mentoring, community and industry engagement. We empower collaborative problem solvers, determined doers who make an impact in their profession and our world.



A HEALTHY AND VIBRANT CAMPUS ECOSYSTEM

Opportunistic and innovative, we embrace our rich cultural heritage and abundant recreational environment to foster an inclusive and sustainable campus ecosystem. We provide exceptional service and invest in effective infrastructure that creates opportunities for social, intellectual, and professional growth.



Clark Fork Watershed Education Program

https://www.youtube.com/watch?v=XLJxC_N8Ea0

<https://www.youtube.com/watch?v=HDCBLLRRa9w>



**Our mission is to foster
environmental
stewardship and scientific
decision-making through
place-based learning and
direct experiences.**





THE MISSOULA TEAM



DR. ERICK GREENE

Montana Osprey Project



MEGAN FYLLING

UM Bird Ecology Lab



DALIT GUSCIO

CFWEP Missoula
Program Manager

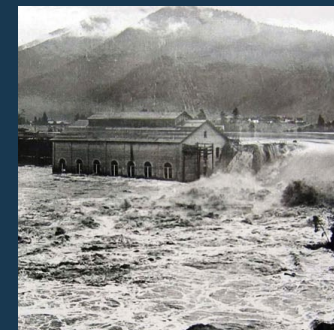


What do we do?

- Watershed Science Programming serves the Clark Fork Communities from Butte to Missoula
- Teacher Professional Development
- Summer Pipeline Programs
- Annual Fly Fishing and Conservation Camp
- Community Outreach
- UM Partners host the Bird's Eye View Education Program and Montana Osprey Project during the summer months, both are research and community education focused



Watershed Stewardship

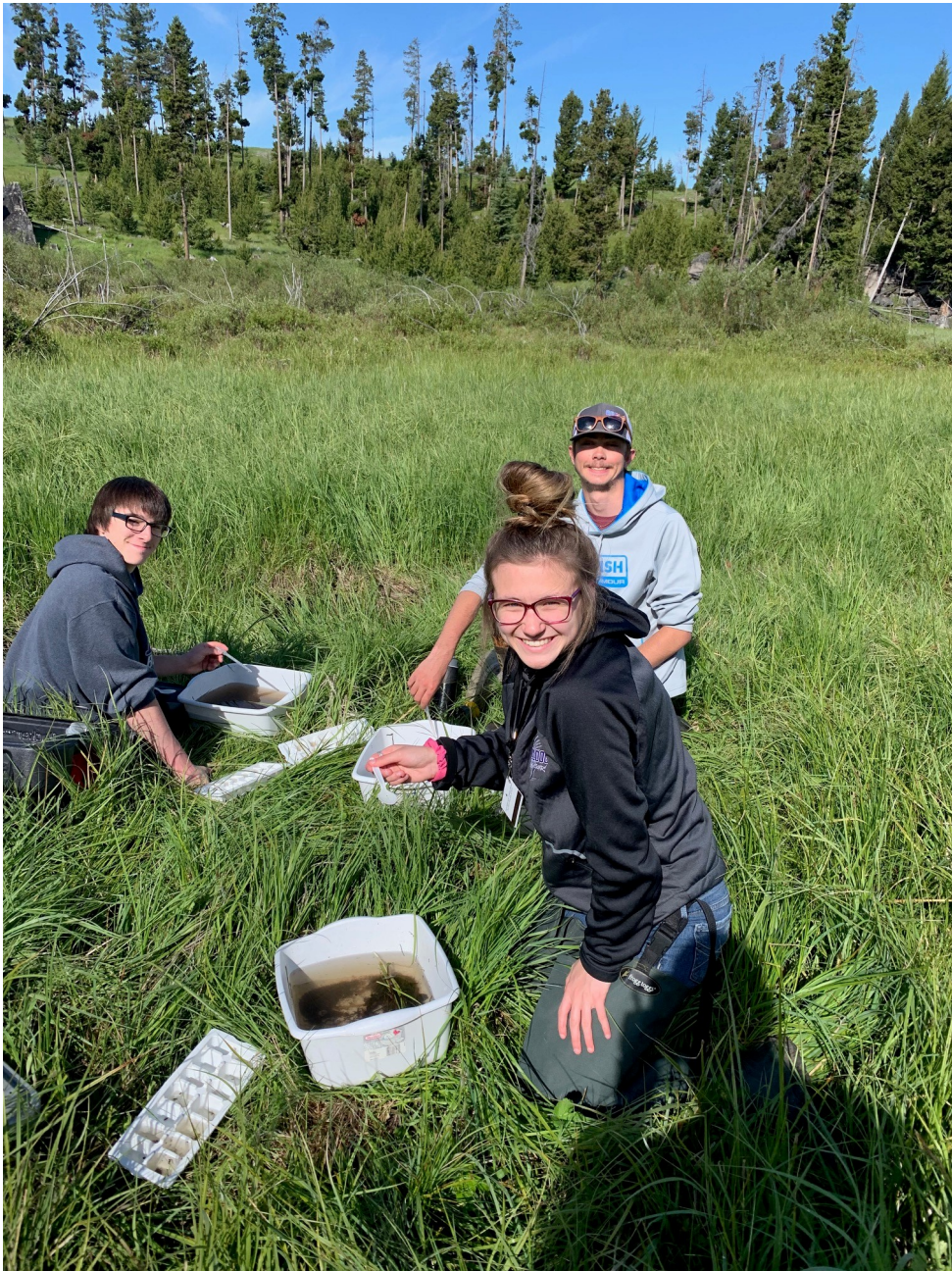


Teacher Professional Development



Summer Pipeline
engages students in
authentic research
experiences






In 2021, we had 15 students working on campus doing research projects. Six of whom were in our NIH project and here for 6 weeks.

Community Outreach includes Stormwater Art project, PSA development, Pit Watch Education, and currently adapting model to other superfund affected communities through EPA grant.





Bird's Eye View Education Program and Montana Osprey Project are both research based and community education focused programs supported in part through the CFWEP partnership.

A young boy with dark hair and a wide smile is standing by a body of water. He is wearing a bright blue, hooded raincoat with a fish pattern on the front. He is holding a small, dark fish in his hands. The background shows the calm water of a lake or river with some rocks visible in the foreground.

**CFWEP is one of Montana'
Tech's Programs of
Distinction, creating
opportunities for students to
engage in STEM
programming, their
communities, and authentic
scientific research.**

Salish Kootenai College
Teacher Professional Development
Curriculum Design



Fort Peck Community College
Teacher Professional Development



University of Montana
Student Outreach
Undergraduate Internships
Teacher Professional Development



MSU Billings
MPRES Math/Science Partnership



Clark Fork Watershed Education Program
Located at
MONTANATECH



UM Western
MPRES Math/Science Partnership



Montana State University
MPRES Math/Science Partnership
Masters of Science Education Teacher Professional Development
NIH SEPA INBRE Pipeline

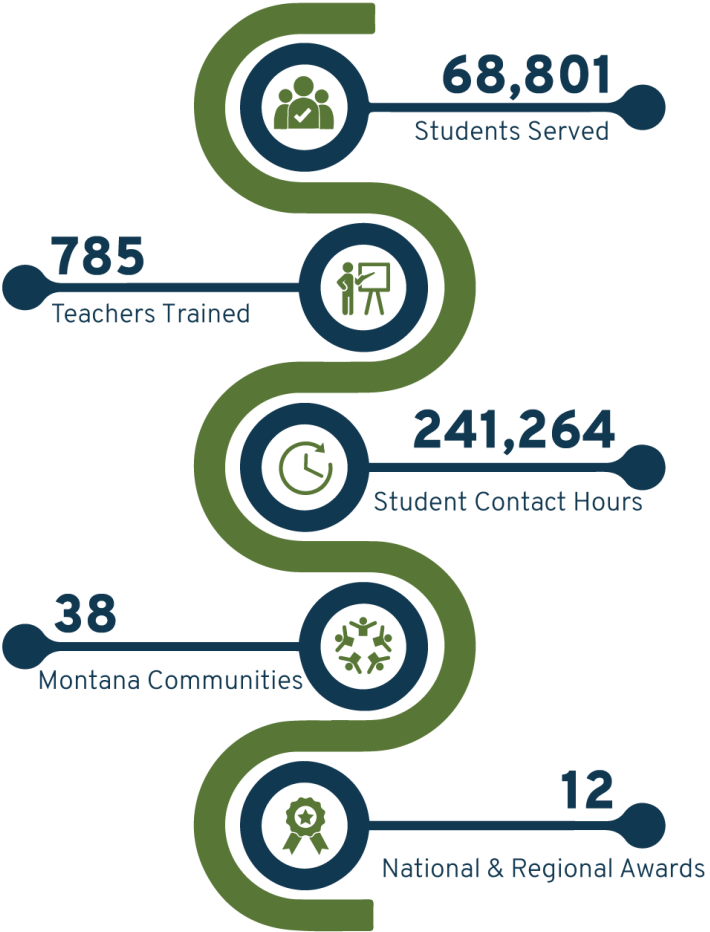


How successful are CFWEP programs?



Clark Fork Watershed Education Program

TOTAL SERVED SINCE 2005*
For all CFWEP Programming



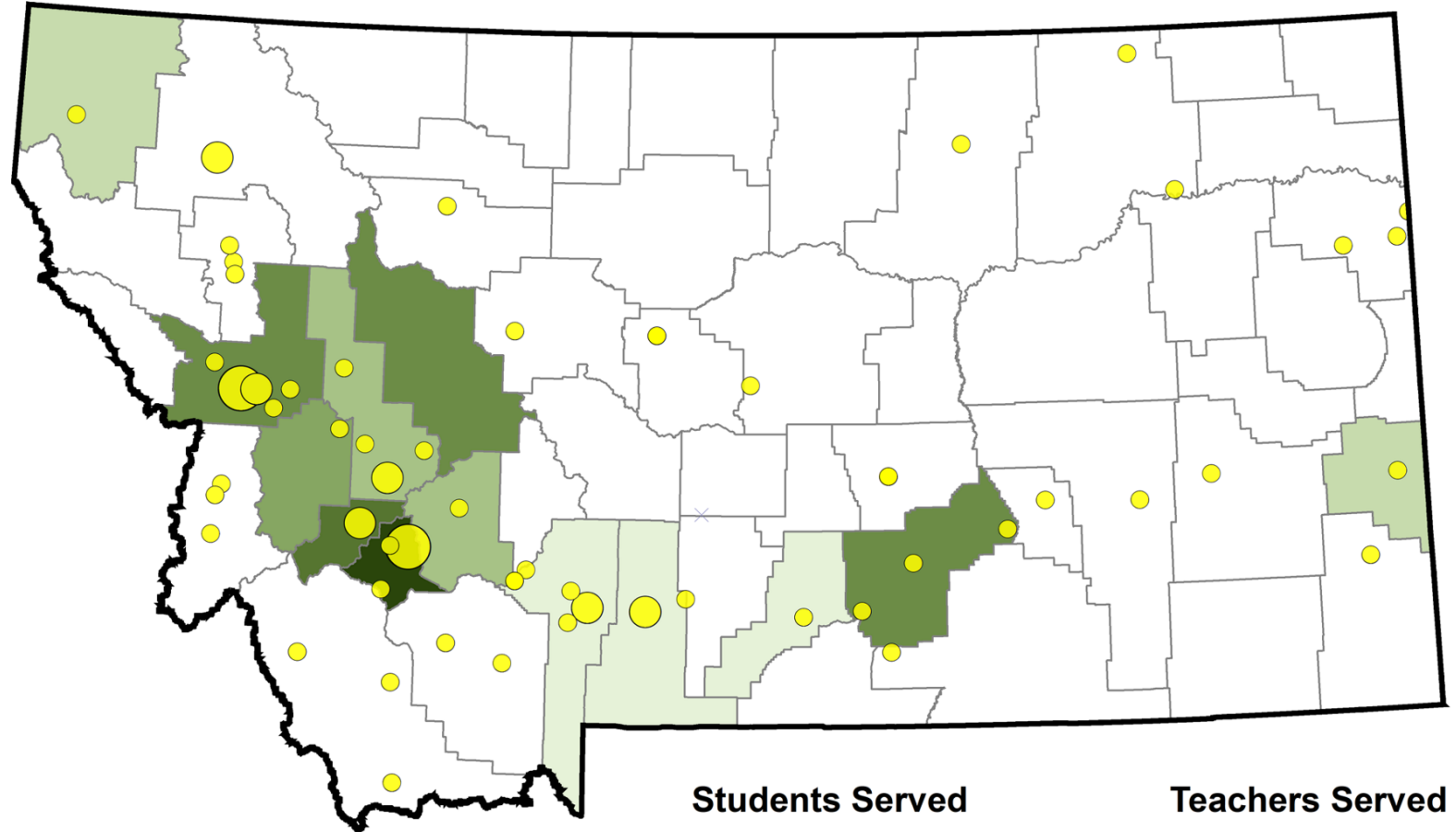
*Updated through August 2021

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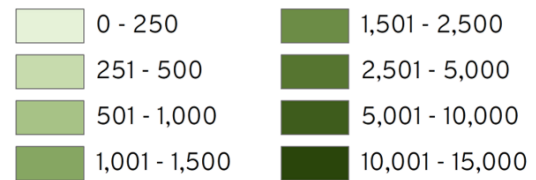
Every year, CFWEP staff come into my school and help get the middle schools students of Butte excited about the cutting edge science happening right in their hometown. I honestly cannot imagine my teaching career without CFWEP and their amazing, caring staff members.

JENNIFER NARDIELLO
TEACHER IN BUTTE, MT

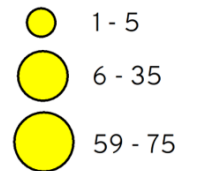
CFWEP Outreach



Students Served



Teachers Served



Testimonials

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Understanding our place in the world through the lens of watershed science has fundamentally changed who I am as a teacher and as a human being. CFWEF has everything to do with this metamorphosis. The impact of this organization on me and my pedagogy cannot be described as anything other than transformational.

CHRIS PAVLOVICH
TEACHER IN LIVINGSTON, MT

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I have been involved with CFWEF since around 2014. Since that time, I have had opportunities to grow personally and professionally by learning new, innovative teaching methods and presenting my work and growth to my colleagues. These programs have been absolutely transformative for me and I can say with confidence played a huge role in being named 2020 Montana Teacher of the Year.

LINDA ROST
TEACHER IN BAKER, MT

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<https://youtu.be/RxXUDzHx9RY>



Education does not transform the world. Education
changes people. People change the world.

-Paulo Freire



We are inspiring the
changemakers,
scientific thinkers, and
problem-solvers
of tomorrow.

Thank you