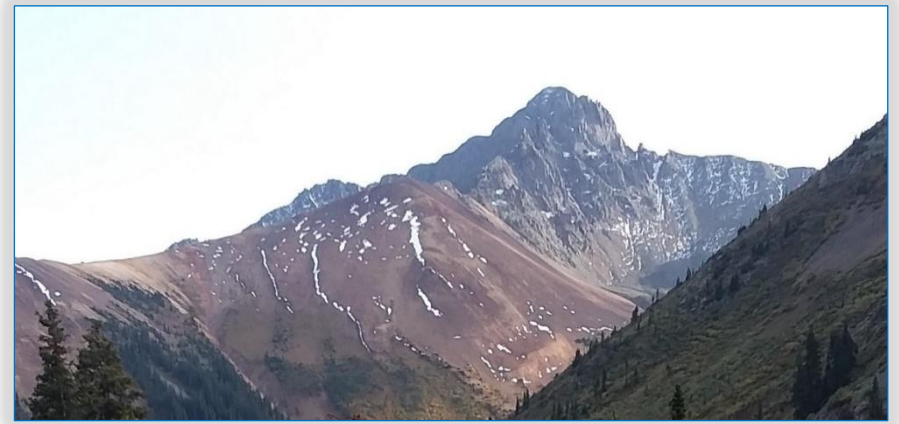


	What is something you learned from this project?	What questions did you have about the project?
Poster 1 Title:		
Poster 2 Title:		
Poster 3 Title:		
Poster 4 Title:		
Notes from presentations:		



San Juan Resilience Youth Summit

March 8, 2023
Fort Lewis College



Thank you for attending the 2023
San Juan Resilience Youth Summit!



SJRYS 2022 FULL AGENDA

8:45 – Summit opens for registration and presenter set up

9:20–9:30 Introductions - Main Ballroom

MSI Introduction: Jewell Coleman

Land Acknowledgement: Jack Purcell

Welcoming Remarks: Aisha O’Neil

Review the Summit Schedule and Locations on Campus:

Jeremy May, Mountain Studies Institute

STUDENT PRESENTATIONS

9:30 – 9:55 – Poster Session A - Main Ballroom

9:55 – 10:00 – Break before Session B

10:00 – 10:25 – Poster Session B - Main Ballroom

10:25 – 10:30 – Break and travel for student presentations

10:30 – 11:25 – Student Presentations - Pick one of the following:
Ballroom, Colorado Room , or Vallecito Room

11:25 – 12:00 pm - Lunch break – Packed lunch or purchase from the cafeteria.

INTERACTIVE CAMPUS EXPERIENCES AND TOURS

– Please choose one tour per session, for TWO total (on Page 6) –

12:00 – 12:45 – Campus Tour Session 1 – Be sure to be at the Clocktower at 12:00 sharp to meet your first group!

12:45 – 1:30 – Campus Tour Session 2 – Be at the Clocktower at 12:40

1:30 – 1:35 – Break/Return to Ballroom

1:35 – 1:45 – Closing, Acknowledgements, Evaluation Surveys
Main Ballroom

Menu of Campus Experiences and Tours

Choose TWO

1. Solve the Water Distribution Puzzle
Water—where does it all go? About 80% of our region’s water supply is used for irrigation. Explore how the water travels from the mountains to the farms by assembling a model of the Dolores River watershed.”

2. Biology Laboratory
DNA is the fundamental blueprint for life, but is it something we can actually see? Join FLC Biology students to extract DNA from common everyday materials and see DNA for yourself.

3. Urban Wildlife
Do you think you need to be out in the wilderness to observe wildlife? Think again! Observe and identify wildlife and their signs right here on Fort Lewis College campus.

4. Be Your Own Scavenger!
Interact with fellow environmental enthusiasts through a nature-based scavenger hunt. Around campus, there are many natural wonders that deserve appreciation. Students must complete a series of challenges that will bring them closer to nature and one another, becoming the ultimate scavengers by the end.

5. Structures & Materials Lab:
Visit the FLC "SMASH" Lab where we will investigate the strength of different wood sections and calculate their modulus of rupture.

6. Center of Southwest Studies Exhibit Visit
Visit the Center of Southwest Studies exhibits and learn more about Durango’s cycling from our “Looking Back, Racing Ahead” or celebrate Indigenous resilience through “As Seeds, We Grow.” The visit will also include a short activity and a presentation on the Center’s resources and student opportunities!

Lectures : 10:30-11:25 am continued

Colorado Room:

Presenter(s)	Title	Description
Mauve Daley, Mountain Middle School	Ocean Acidification	Ocean acidification is harming marine life and the main cause for this is climate change
Isla Shaw, Mountain Middle School	How Climate change is affecting coral reefs.	Why the coral reefs are disappearing because of ocean acidification and more
David Wierzbinski, Colorado Timberline Academy	Bark beetle impacts and possible solutions	Information about bark beetles and some ideas about how to minimize their impacts.
Nathan Benson, Colorado Timberline Academy	Water sustainability solutions in the Southwest	Addressing issues regarding water cleanliness and conservation in the SW and introducing potential solution, such as agricultural hydropower and increasing awareness to preserve our natural resources.

Vallecito Room:

Presenter(s)	Title	Description
Rico Jones, Mountain Middle School	Bark beetle control idea	It is a hollow tree with an inside lining of nylon 6 plastic and have it give out mating pheromones for multiple beetle kill beetles and kill them using boric acid (nylon6 plastic is highly resistant to boric acid)
Jack Purcell, Mountain Middle School	How nuclear energy is a good source of renewable energy.	How nuclear energy is a good source of energy if used correctly. Nuclear energy may seem dangerous to a lot of people, and that's because it is, but anything is dangerous if used wrongly.
Morgan Stapleton, Mountain Middle School	Decolonization	Decolonization, & how it is impacting people's lives
Aisha O'Neil, Charles Shepherd, Amiah Hanson, Hays Stritikus, Durango High School	Green Team	We intend to present on our club's work towards waste reduction thus far.

List of Poster Presentations (9:30-10:25 am)

Main Ballroom

Presenter(s)	Title	Description
Maynard Taylor, Phoenix Tarvar, Ignacio High School	Land Use	Analysis of land use by region and the ecological impact.
Noah LeMasters, Ignacio High School	Foodborne Illnesses	The cost and economic impact of climate change and food borne illness.
Paden Smithson, Ignacio High School	Reptiles in the Southwest	Impact of climate change on reptile species in the southwest.
Victoria Brown, Coty Webb, Ignacio High School	Meat Exchange	Economic impact of meat industry
Annabeth Hanson, Mountain Middle School	How do methane emissions effect or world and climate?	Climate change with all the green house gasses and how methane is emitted into our atmosphere
Benjamin Rice, Mountain Middle School	The Great Pacific Garbage Patch	The great pacific garbage patch is a big garbage patch in the middle of the pacific ocean. It is bigger than Texas and is literally an island of garbage.
Emiliano Mccauley-Cortes, Mountain Middle School	Drying lakes in the Southwest	In the southwest a lot of lakes are drying up. What I want to know is what is going to happen with the animals and plants that live in the lake ecosystem.
Indie Eaton, Mountain Middle School	The Great Salt Lake Water Levels and Ecosystem	Taking a look at how the change in water levels of the Great Salt Lake are impacting the ecosystems
Katie Robinson, Mountain Middle School	Plants, the processes they take, and how they affect the environment.	Different processes that plants undertake, both unique and seen commonly, and how they affect the environment and their ecosystems
Mena Cerwin, Mountain Middle School	Humans Negative Impact on Whales	We will take a closer look at human's negative impact on whales in comparison to climate change.
Ada-Rene Cruz, Legna Manuelito, Tamarius Roland, Ignacio High School	Pollution in Spring Ecosystems	Common pollutants found in spring ecosystems and their origin
Mamie-Ruth Burch, Danylle Herrera, Ignacio High School	Butterflies	Climate change impact on butterfly species
Tallias Cantsee, Venett Resendiz, Ignacio High School	Bees and Temperature	Response in bee population to changes in temperature

List of Poster Presentations continued (9:40-10:25 am)

Main Ballroom

Presenter(s)	Title	Description
Abigail House, Ignacio High School	Pollution in Spring Ecosystems	Common pollutants found in spring ecosystems and their origin
Adriano Phillips, Ignacio High School	Soil	Soil composition, erosion, crops, and pollutants by region
Amaira Brown-Watts	Climate Change and Flowering Plants	Impact of climate change on flowering plants
Asher Gallegos, Ignacio High School	Bald Eagles	Climate change and policy impact on bald eagle population
Audrey Roderick, Ignacio High School	Agricultural Exports	The amount of money each state makes on agricultural exports and the effects of it on the ecosystem
Alejandra Prambo-Howe, Ollyvia Howe, Ignacio High School	Bald Eagles	Climate change and policy impact on bald eagle population
Angelo Frost, Justin Lloyd, Ignacio High School	Land Use	Analysis of land use by region and the ecological impact
Baylie Pennington, Audrey Roderick, Ignacio High School	Agricultural Exports	Analysis of agricultural exports by state and ecosystem impact
Blaine Woodmansee, Lincoln Gillespie, Ignacio High School	Wildfire and Spruce Beetles	Wildfire impact on beetle infestations in forest ecosystems
Caydence Vezeau, Mackenzie Chalpah, Ignacio High School	Butterflies	Climate change impact on butterfly species
Charles Pargin, DaLaney Wesner, Ignacio High School	Livestock Weight by Common Crops	Relationship between major crops and livestock weights by region
Elijah Arthur, Addison Kremer, Ignacio High School	Land Use	Analysis of land use by region and the ecological impact.
Gabriel Cundiff, Marcus White, Ignacio High School	Bees and Temperature	Response in bee population to changes in temperature
Ellie Bruckbauer	Benefits of Agrivoltaics	We will take a closer look at the use of Agrivoltaics methods used to efficiently use land for farming and solar energy collection.

List of Poster Presentations continued (9:40-10:25 am)

Main Ballroom

Autumn Schulz, Ignacio High School	PFAS and Tribal Lands	The presence of forever chemicals (PFAS) on tribal lands
Claire Melton, Ignacio High School	Snowpack	Impact of snowpack on wildlife populations
Cruz Martinez, Ignacio High School	Bald Eagles	Climate change and policy impact on bald eagle population
Jaelin Mohar, Ignacio High School	Butterflies	Climate change impact on butterfly species
James Garcia, Ignacio High School	Wildfire and Spruce Beetles	Wildfire impact on beetle infestations in forest ecosystems
Jasmyn Doyebi, Katerie Lang, Ignacio High School	Butterfly Migration	How butterfly migration patterns are impacted by temperature
John Nossaman, Ignacio High School	Wildfire spruce beetle	The effect of spruce beetles on forest fires
Kean Cantsee, Ryan Naranjo, Ignacio High School	Plants and Well Pads	Oil and gas cites impact on plant ecosystems.
Kendrick Nossaman, Ignacio High School	Wildfire and Spruce Beetles	Wildfire impact on beetle infestations in forest ecosystems
Marissa Olguin, Ignacio High School	Plants and Well Pads	Oil and gas cites impact on plant ecosystems.
Matthew Jameson, Ignacio High School	Meat Exchange	Examination of the meat industry in the US via USDA data

Lecture Presentations: 10:30-11:25 am

Ballroom:

Presenter(s)	Title	Description
Tristan Reed, Colorado Timberline Academy	The Southwest's Resilience on Lumber	How logging impacts the Southwest's environments and economies
Grace White-Sandlin, Durango High School	Human Exemption	The philosophy and consequences of the intrinsic idea of Human Exemption.
Brooklyn Brown, Mountain Middle School	Deforestation	Causes, effects, and solutions to slow it down
Hadley Miller, Mountain Middle School	Climate Changes Affect on the Weather	We will take a closer look at how changes in the climate has change weather patterns.

Lectures continued next page