PROCEEDINGS OF THE KECK GEOLOGY CONSORTIUM

2022-2023 Projects

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The Colorado College, Franklin & Marshall College, Macalester College,
Oberlin College, Pomona College, Trinity University, Union College,
Washington & Lee University, Wesleyan University, Whitman College

2022-2023 GATEWAY PROJECTS

EXPLORING LATE CRETACEOUS WETLAND ECOSYSTEMS PART 2: DINOSAURS AND VERTEBRATE MICROFOSSILS IN MONTANA
Faculty: KRISTI CURRY ROGERS and RAYMOND ROGERS, Macalear College
Peer Mentor: BROOKE NOONAN, Macalear College
Students: SOPHIA ESQUENET, Macalear College; REBECCA FLOWERS, Carleton College; BREANDA GOMEZ, Amherst College; AUTUMN JESTER, Reynolds Community College; PEYTON LEWIS, Bowdoin College; MARISA LUFT, Macalear College; IRENE MÉNDEZ CURBELO, University of Puerto Rico Mayagüez; KATYA NICOLAYEVSKY, Colorado College

LANDSCAPE AND ENVIRONMENTAL CHANGE IN GLACIER NATIONAL PARK (GNP), MONTANA
Faculty: KELLY MACGREGOR, Macalear College and AMY MYRBO, Amiable Consulting
Peer Mentor: LOU MILLER, Macalear College
Students: JOSHUA BRUNS, Williams College; ALLISON HIDALGO, Washington and Lee University; EVELYN SOLIS CABRERA, Pitzer College; REYDALIZ TORRES LOPEZ, SUNY Geneseo

2022-2023 ADVANCED PROJECT

STRUCTURAL EVOLUTION OF A SEGMENTED NORMAL FAULT TRANSFER ZONE, SEVIER FAULT, SOUTHERN UTAH
Faculty: BEN SURPLESS, Trinity University
Students: AUDREY JENNINGS, Trinity University; JASPER NEATH, Trinity University; MICHELLE NISHIMOTO, Wellesley College
Conference Presentations – Montana Gateway Project


Conference Presentations – Glacier Gateway Project


Short Contributions – Utah Advanced Project

STRUCTURAL EVOLUTION OF THE SEGMENTED SEVIER NORMAL FAULT, SOUTHERN UTAH
BENJAMIN SURPLESS, Trinity University

MODELING FAULT-RELATED FRACTURING ASSOCIATED WITH A SEGMENTED NORMAL FAULT: IMPLICATIONS FOR GEOTHERMAL ENERGY POTENTIAL
AUDREY JENNINGS, Trinity University
Project Advisor: Benjamin Surpless

MODELING THE SEVIER FAULT ZONE, SOUTHERN UTAH: VALIDITY TESTING AND 3D ANALYSIS
JASPER NEATH, Trinity University
Project Advisor: Benjamin Surpless

NORMAL FAULT-TIP DAMAGE ZONE STRUCTURES AND GEOMETRIES FROM THE SEVIER FAULT, UTAH
MICHELLE NISHIMOTO, Wellesley College
Project Advisor: Katrin Monecke