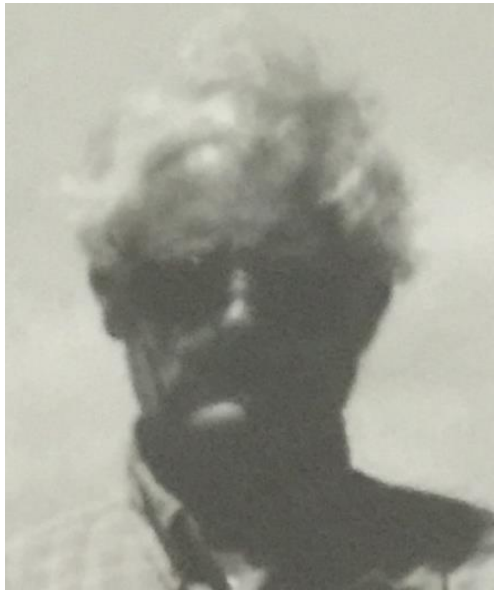
New Student Introduction: Selena Neale

skneale@mymail.mines.edu
M.S. Candidate
May 2022 (Expected)

Family History



Third generation oil and gas scientist

Images courtesy of Selena K Neale

CU Boulder – Undergraduate Thesis

Pinedale Glaciation at Longs Peak and Glacier Gorge

Selena K. Neale
Department of Geological Sciences
University of Colorado, Boulder

https://scholar.colorado.edu/concern/undergraduate_honors_theses/8336h2467

CU Boulder – Undergraduate Thesis

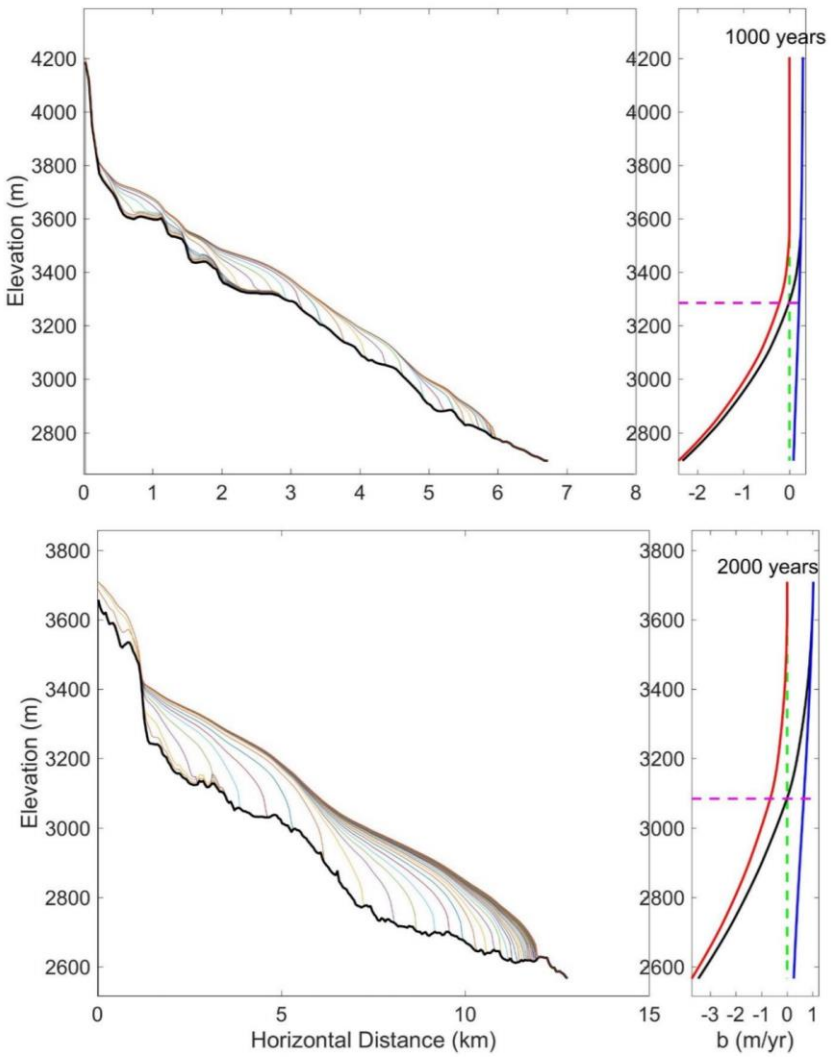


Figure 10 shows 1D representations of Longs Peak Glacier (top) and Glacier Gorge Glacier (bottom), created using Matlab. The image on the left is the thickness and extent of ice of the glacier at its steady-state maximum. The image on the right shows the mass balance of the glacier at its steady state, with the dashed line demonstrating the glacier's ELA. Images created by Selena K. Neale.

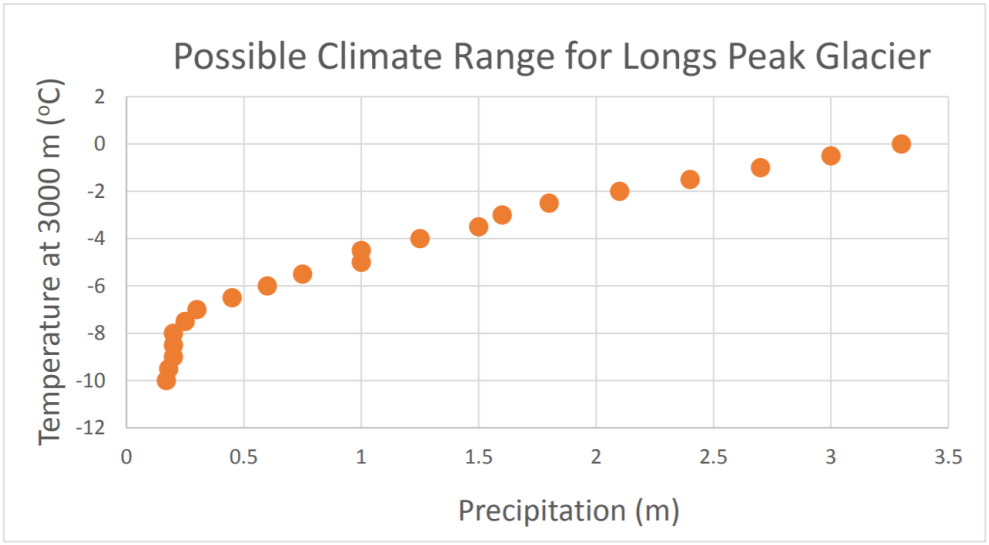


Figure 12 shows the possible range of climate experienced by Longs Peak Glacier. Image created by Selena K. Neale.

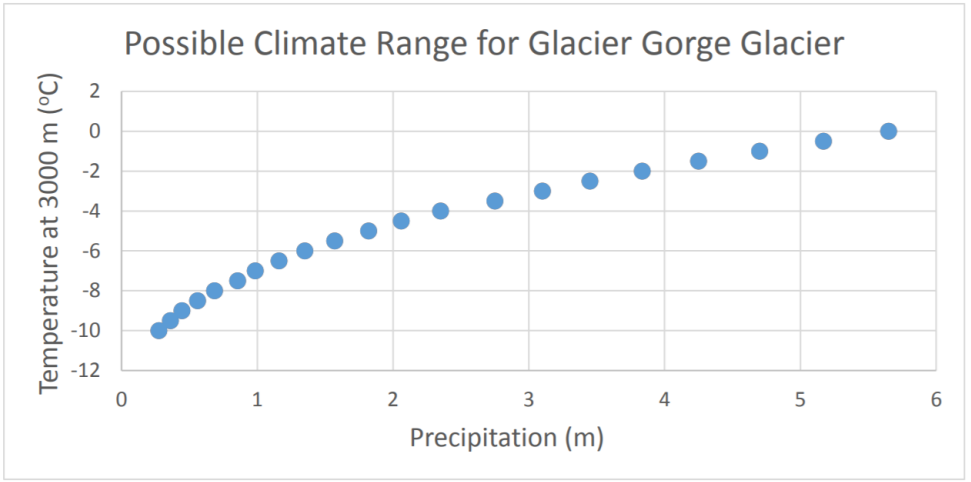


Figure 13 shows the possible climate range experienced by Glacier Gorge Glacier. Image created by Selena K. Neale.

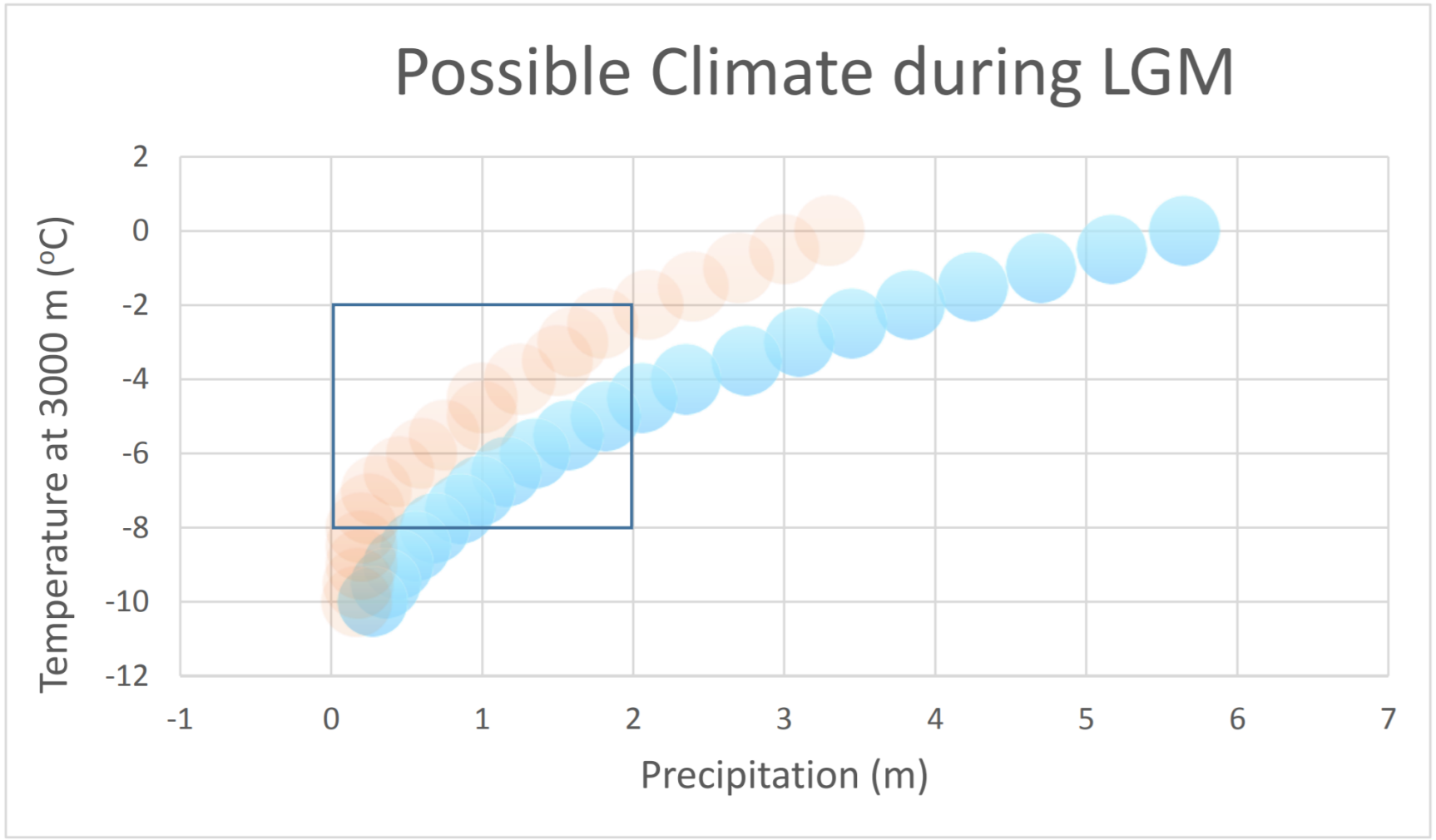


Figure 14: Where the two data sets overlap is the range of possible temperature and amount of precipitation which combine form possible LGM climates experienced by the two glaciers. The box shows the most likely combinations of temperature and precipitation. Image created by Selena K. Neale.

CU Boulder – Graduation 2016

Image courtesy of Selena K Neale

- Thesis selected as one of three best undergraduate theses of Fall 2016 semester
- Best technical undergraduate thesis of Fall 2016 semester
- Graduated cum laude

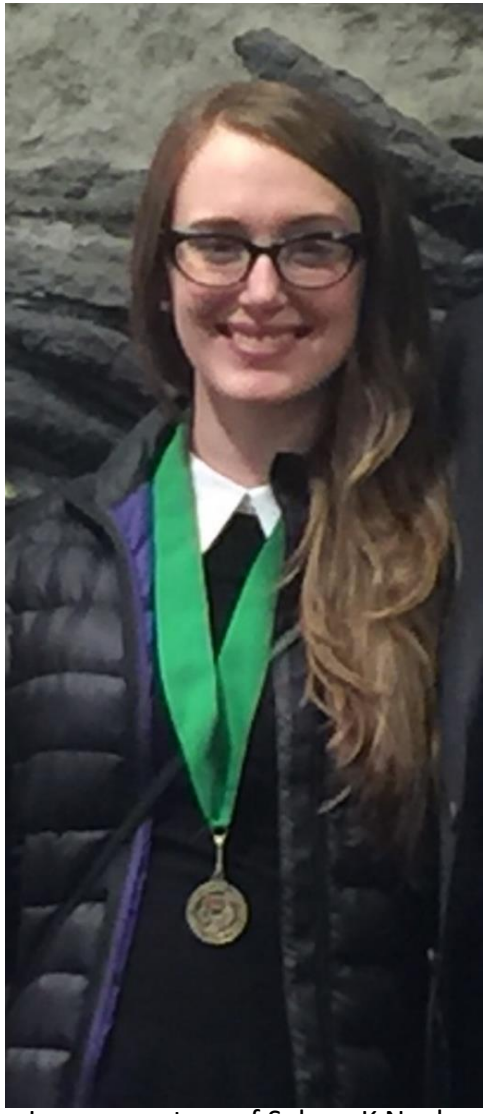


Image courtesy of Selena K Neale

Fracture ID

- January 2017 – May 2020
- Geotech → Lead Geotech
- Set-up and executed workflows for normalizing FID data
- Processed and normalized FID data to established geologic parameters
- Researched formations and basins for geologic QC development
- Correlated FID data to wireline and image log data
- Trained employees on normalizing workflows and software

Image courtesy of Selena K Neale

Masters at Colorado School of Mines

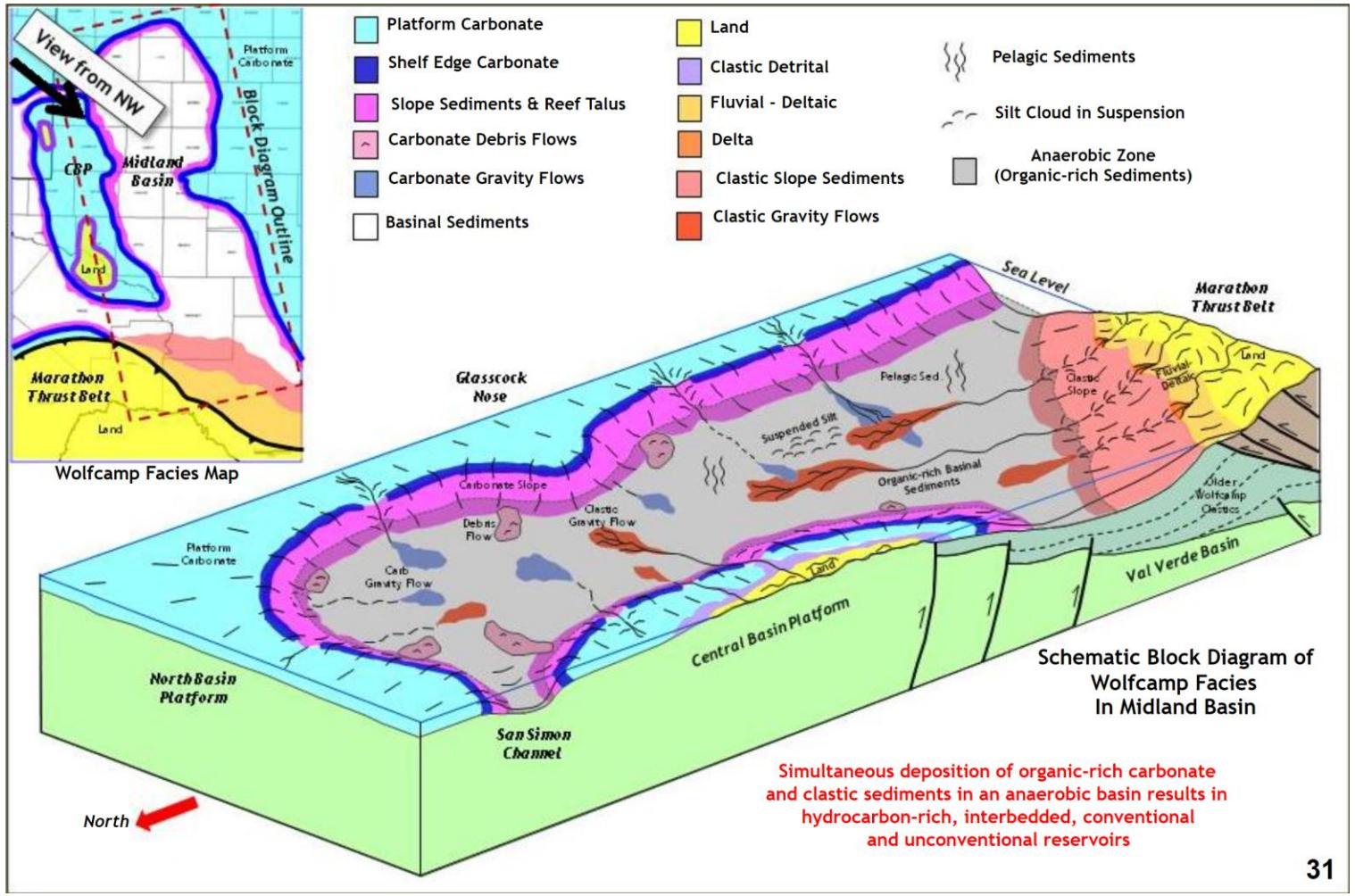


Image from Pioneer Natural Resources January 2013 Investor Presentation

- Started Masters program in August 2020
- Geology with focus in sedimentology
- Working with Steve Sonnenberg on thesis project studying carbonate gravity flows in Upper Wolfcamp in Midland Basin and the opportunities they pose to drilling, completing and producing wells
- Using wireline, seismic, core, and Fracture ID data, a 3D model of a gravity flow will be produced
- Plans to graduate in 2022 and pursue oil and gas career

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