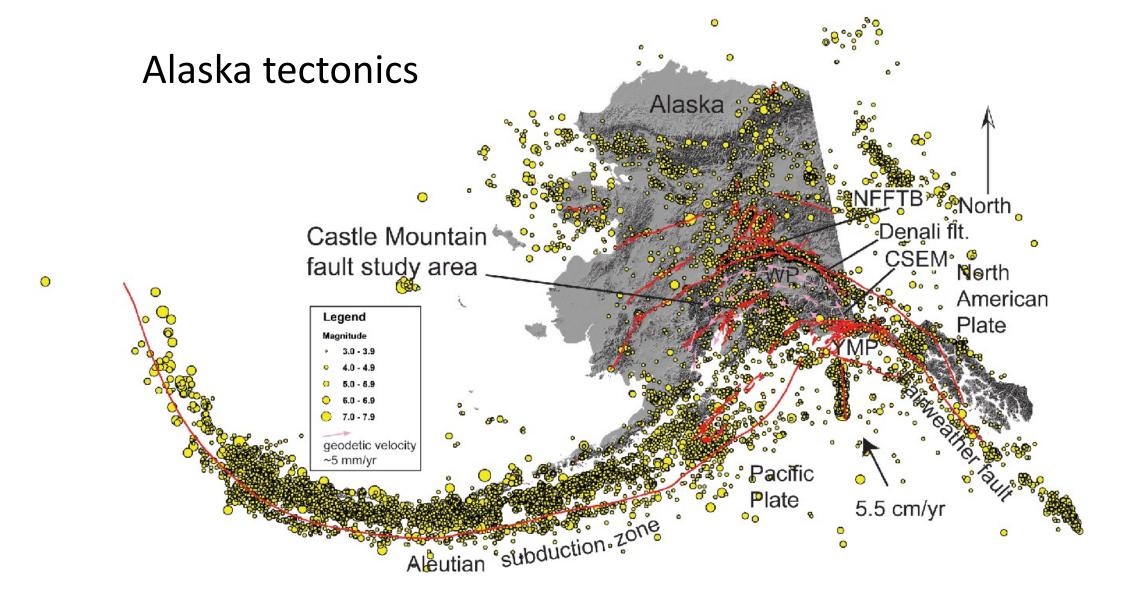
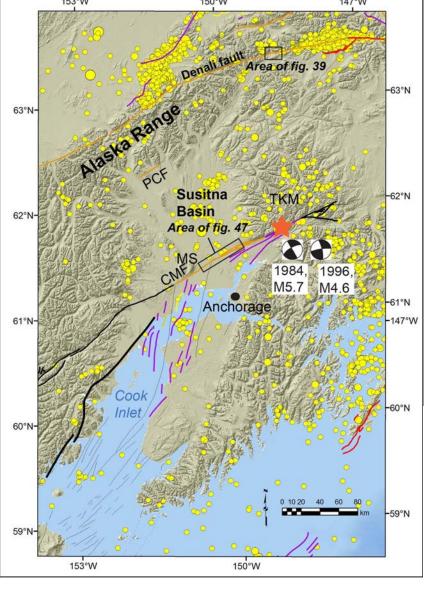
GLG494/598 (ASU) and GEOL 701J (UNR): Mapping tectonic faults from geomorphology

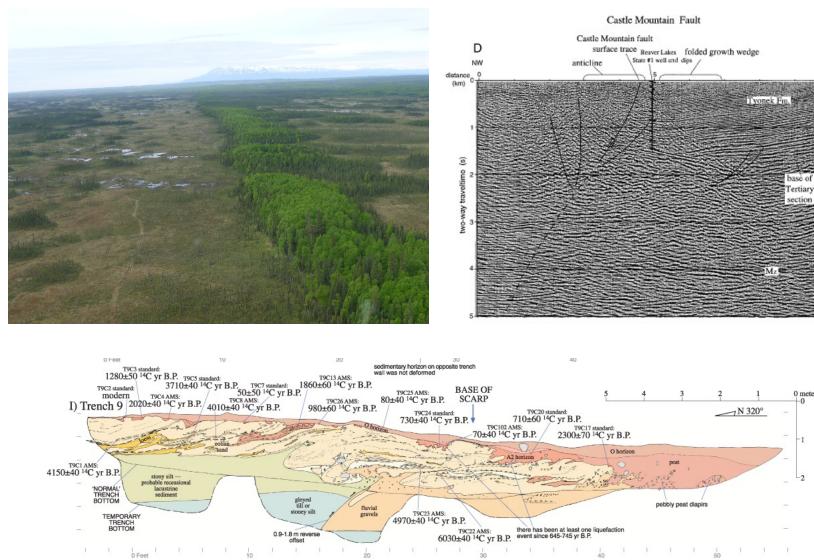


Reverse/Thrust faults in Alaska: Geomorphic evidence for active deformation

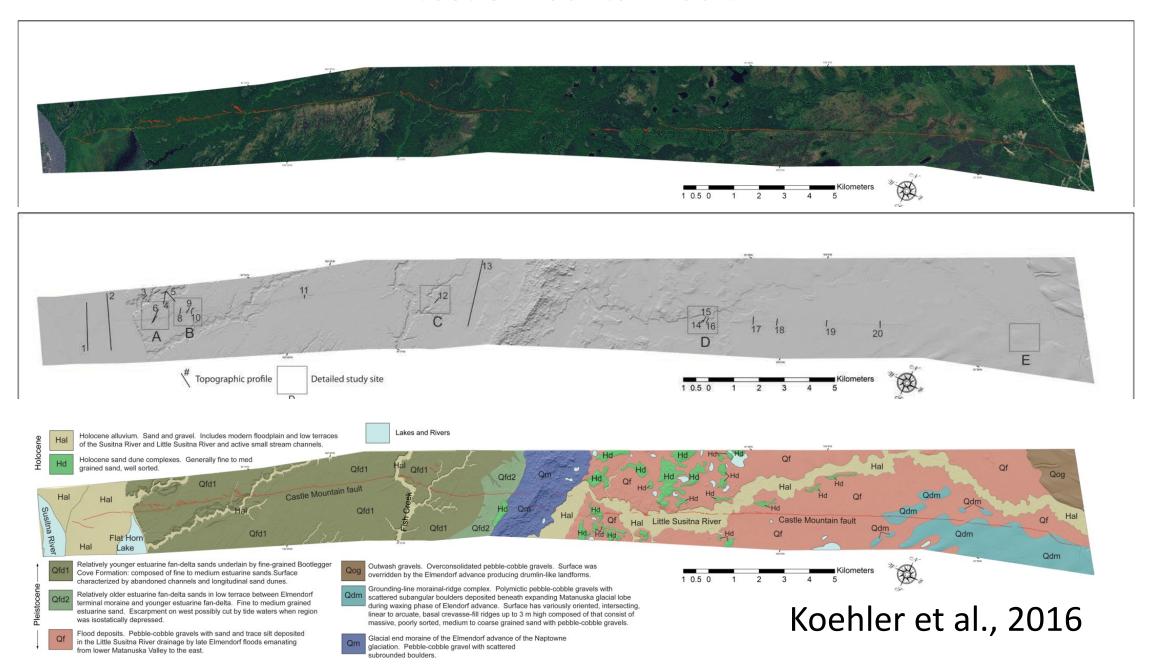
Rich D. Koehler







Haeussler et al., 2002



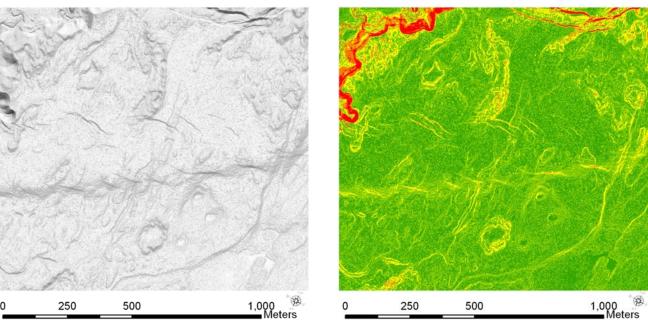
Castle Mountain fault scarps in the field

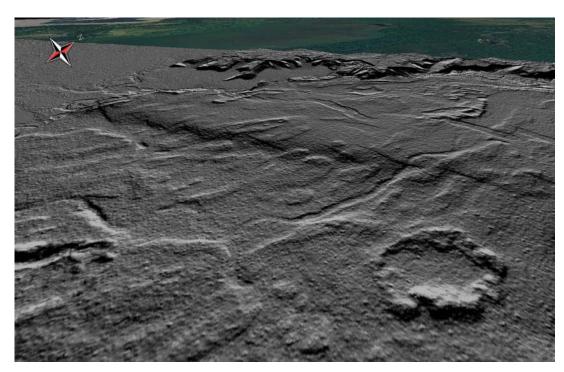




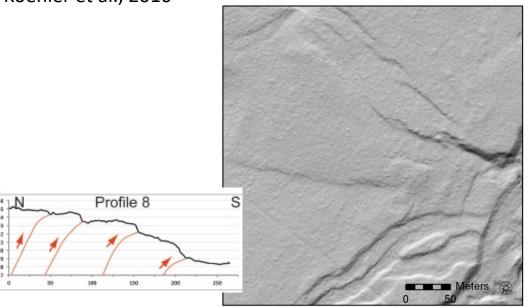


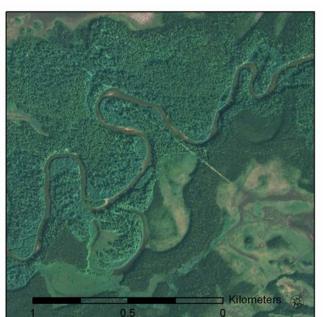


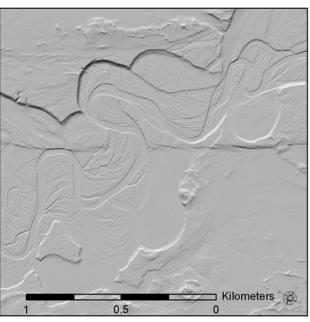


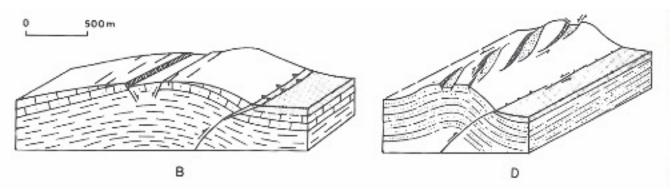


Koehler et al., 2016

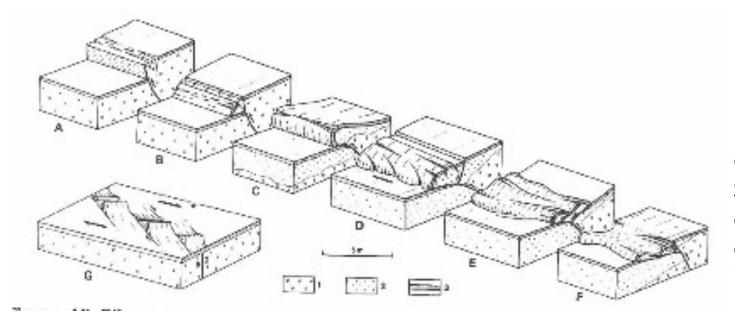








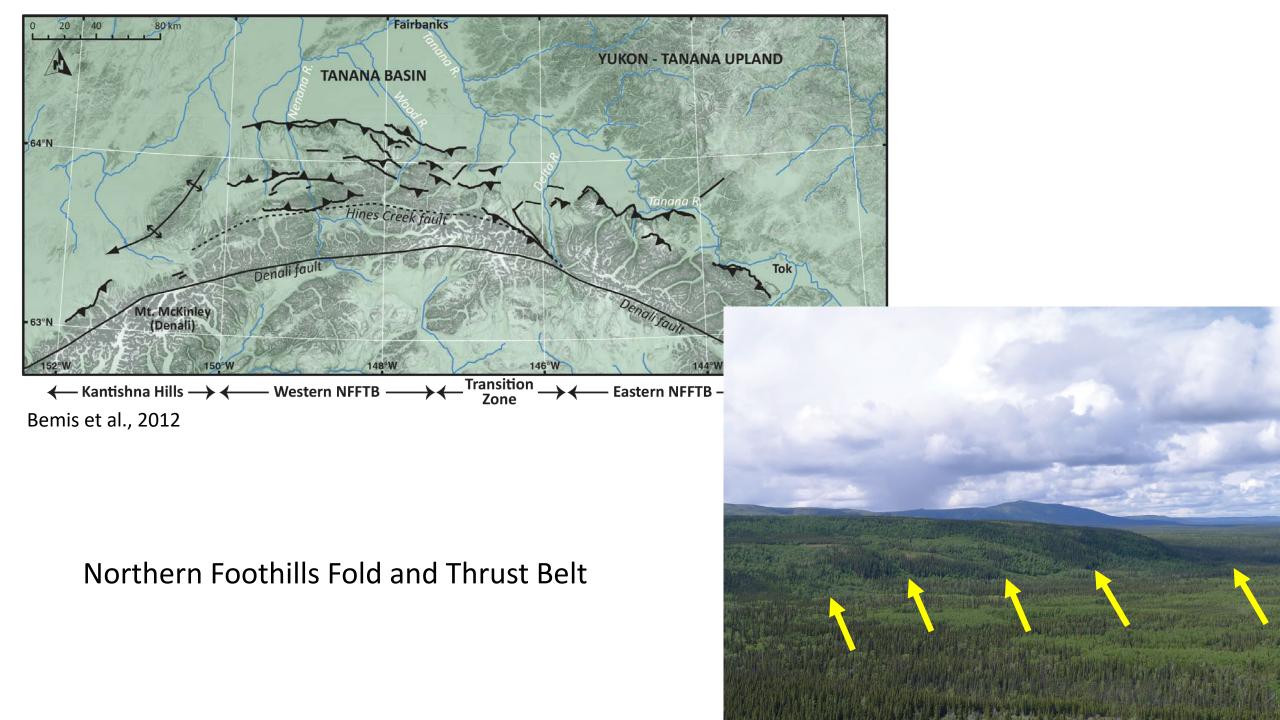
1980 El Asnam, Algeria (Philip and Megharaoui, 1983)

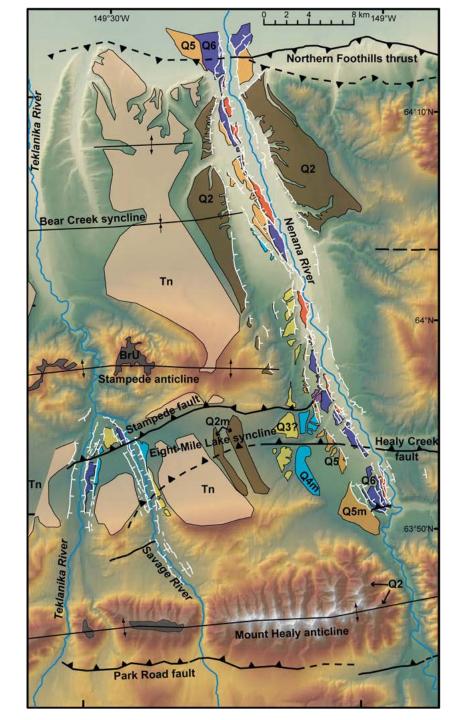


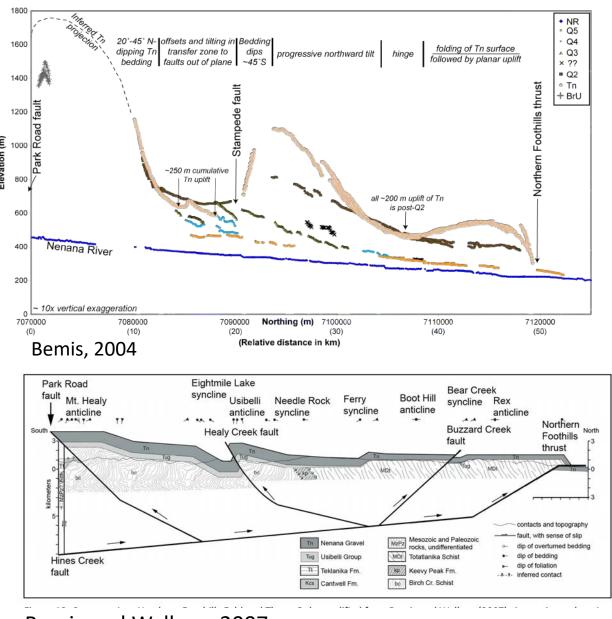
1988 Spitak fault, Armenia earthquake (Philip et al., 1992)



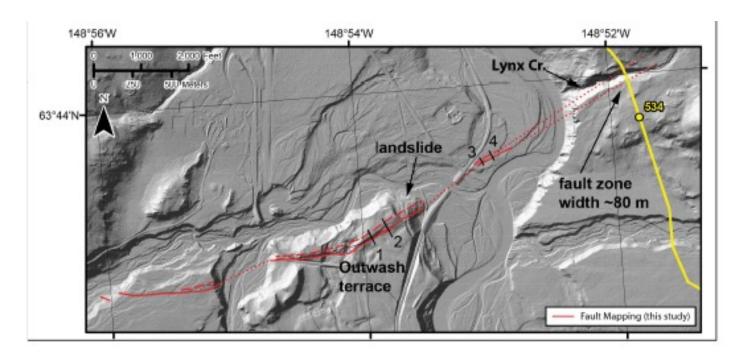
Ostler fault, New Zealand (NZ geological survey). Similarities include scarp morphology, hanging wall extension and folding, wrinkles in front of scarp, and occurrence of one late Holocene earthquake.

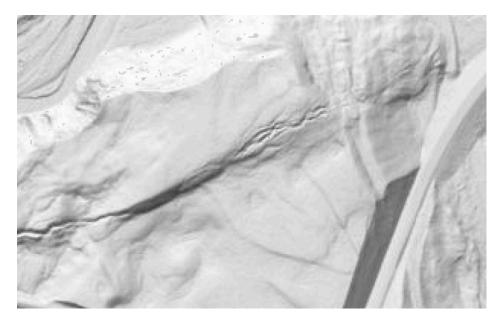






Bemis and Wallace, 2007

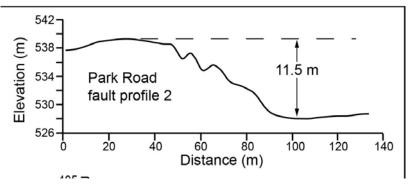




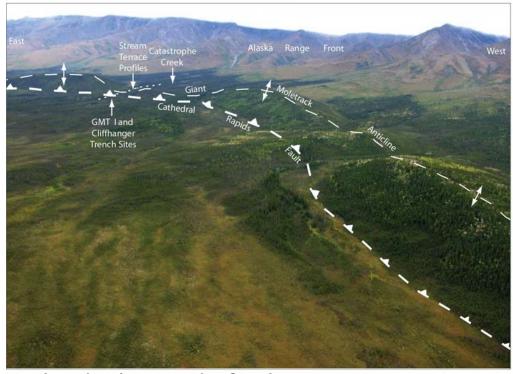




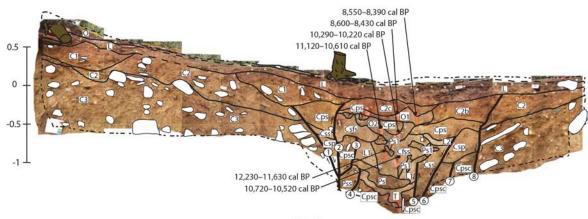
Park Road fault



Koehler et al., 2016

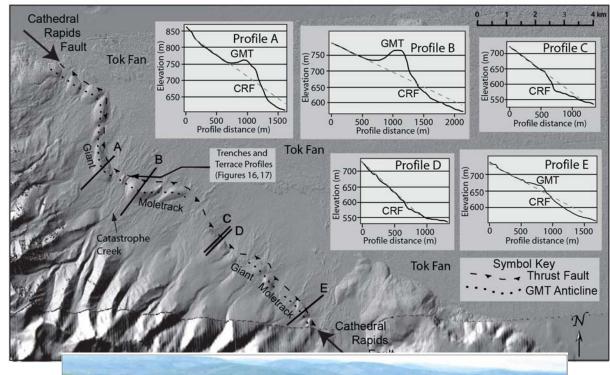


Cathedral Rapids fault



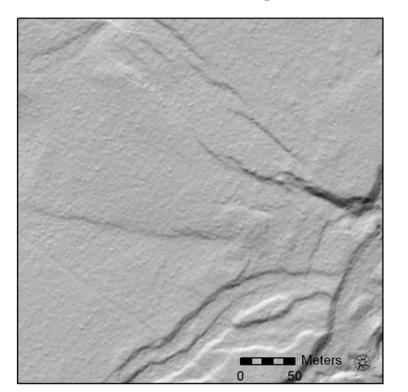
Hanging wall extension with graben

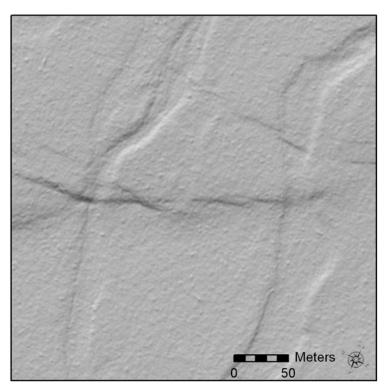
Carver et al., 2010

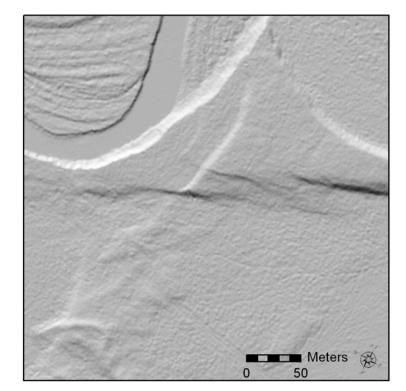




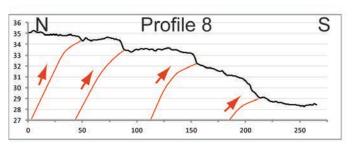
Large scale (1:3000) images of Castle Mountain fault scarps

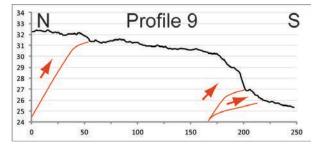


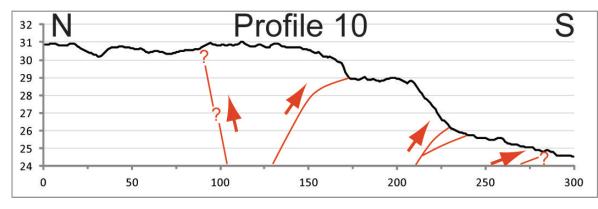


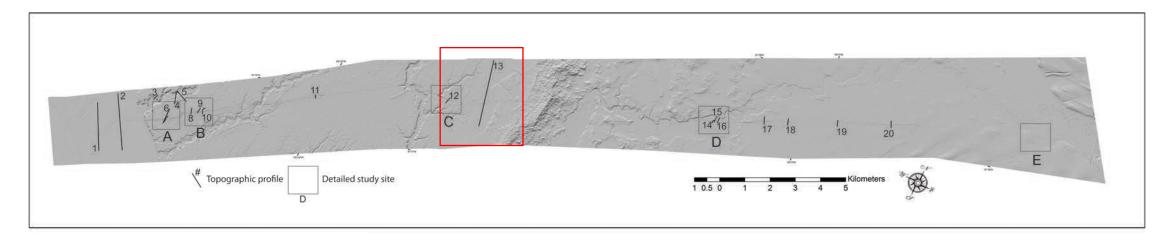


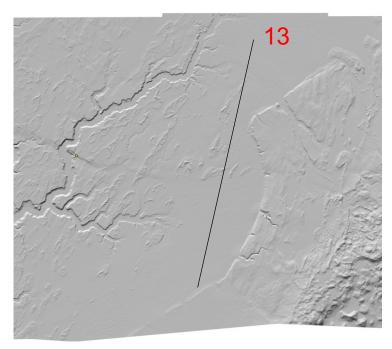
Typical topographic profiles across the Castle Mountain fault

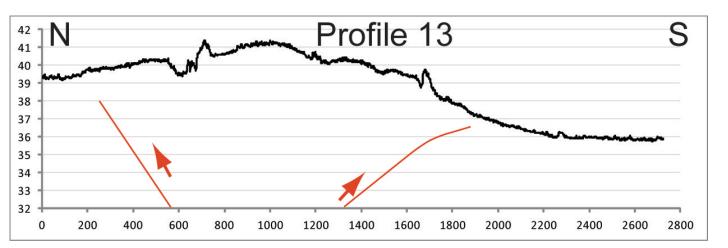






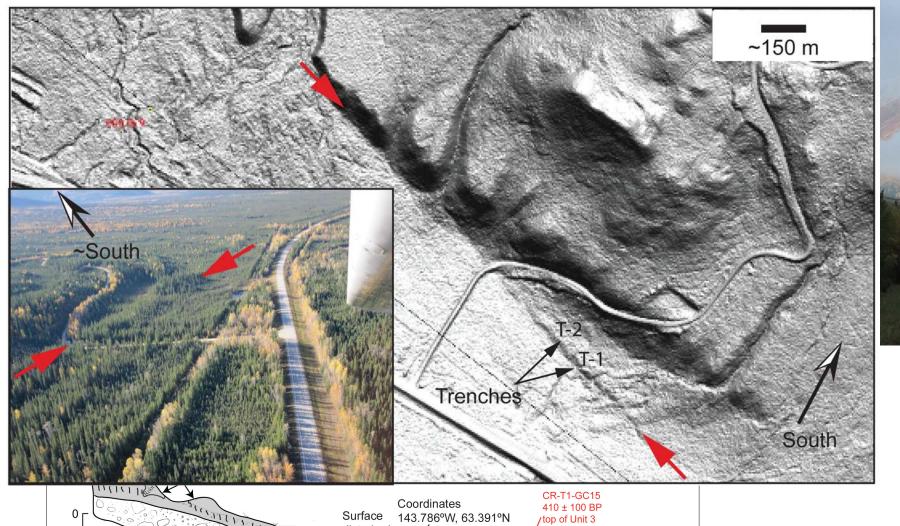






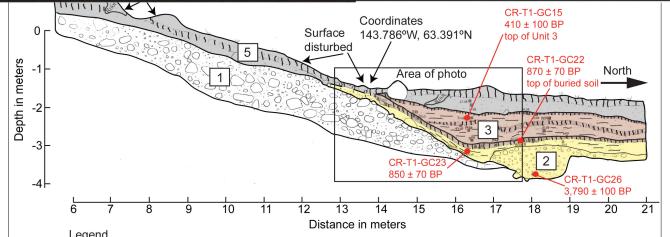
Broad fold within a step in the fault

Koehler et al., 2016





Cathedral Rapids fault



Koehler and Woods, 2013