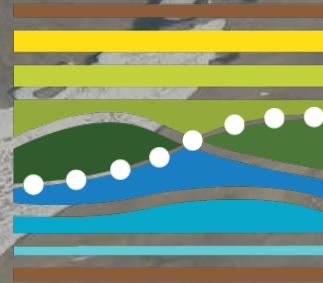


McMurdo Dry Valleys LTER



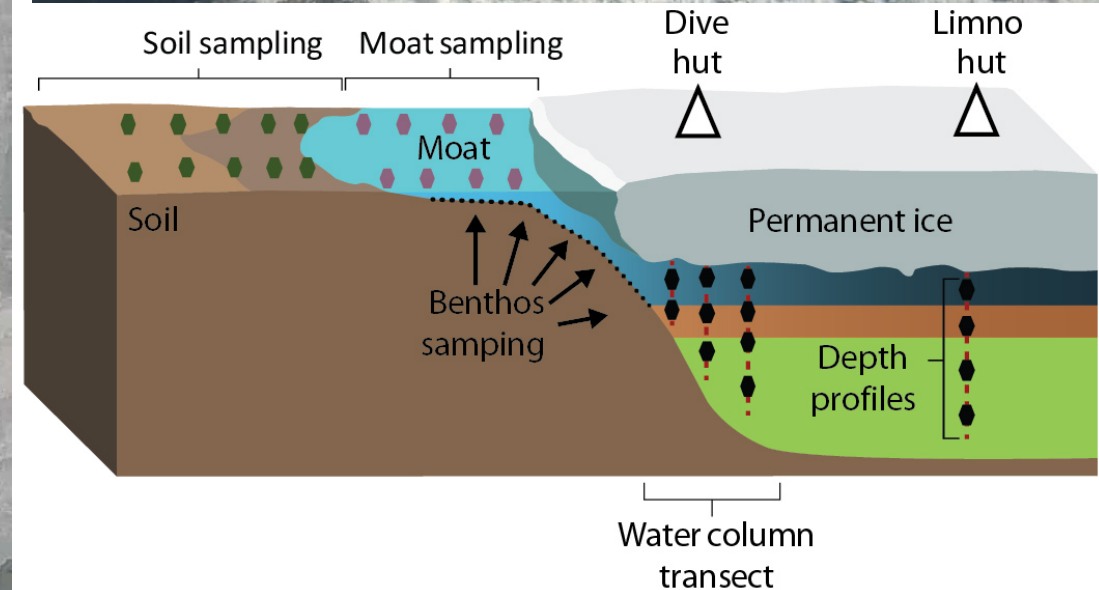
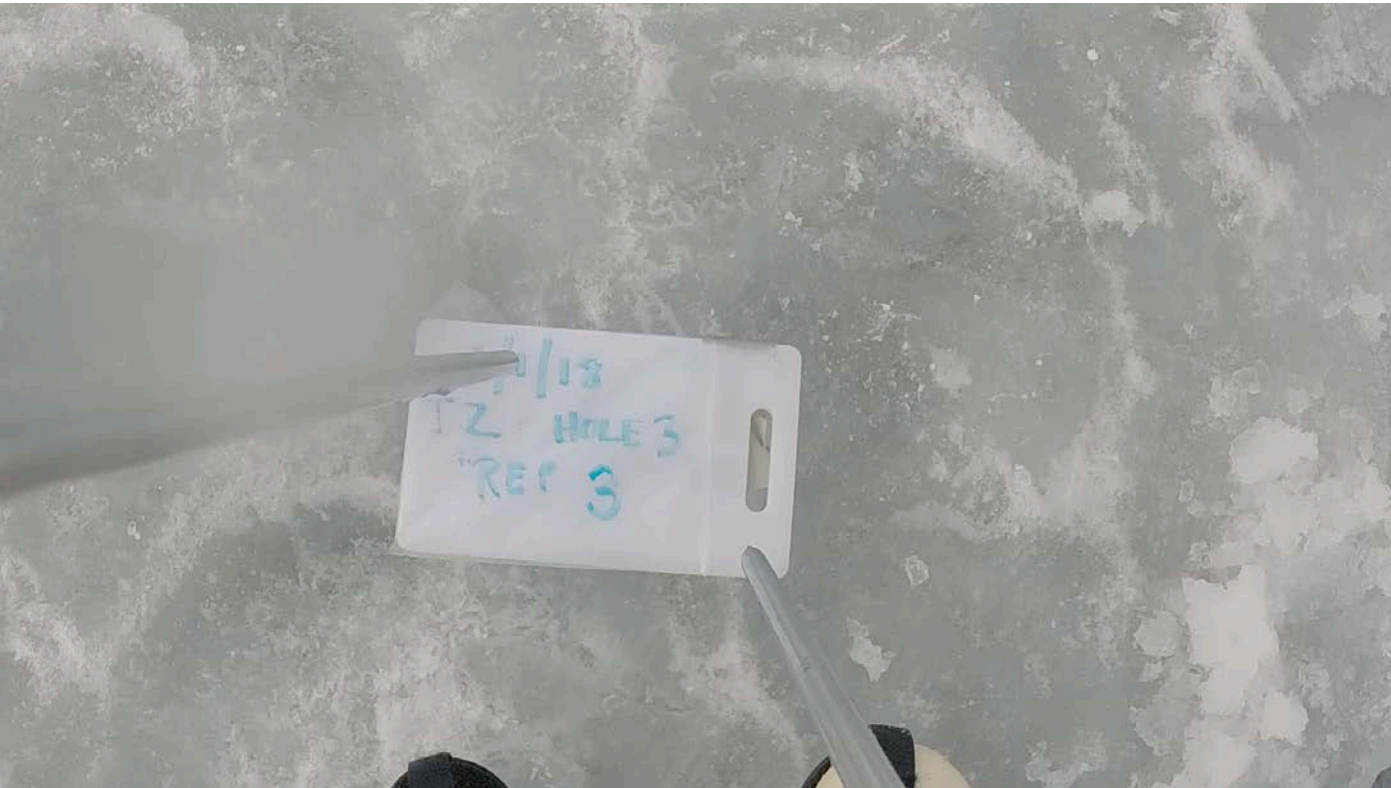
Michael Gooseff
LTER SCIENCE COUNCIL MEETING 2018
MADISON, WI



NATIONAL SCIENCE FOUNDATION
LTER NETWORK
LONG TERM ECOLOGICAL RESEARCH

Site News

New focus on moats of our permanently ice-covered lakes.
Soil-Lake Inundation Moat Experiment - SLIME



OM limited @ MCM

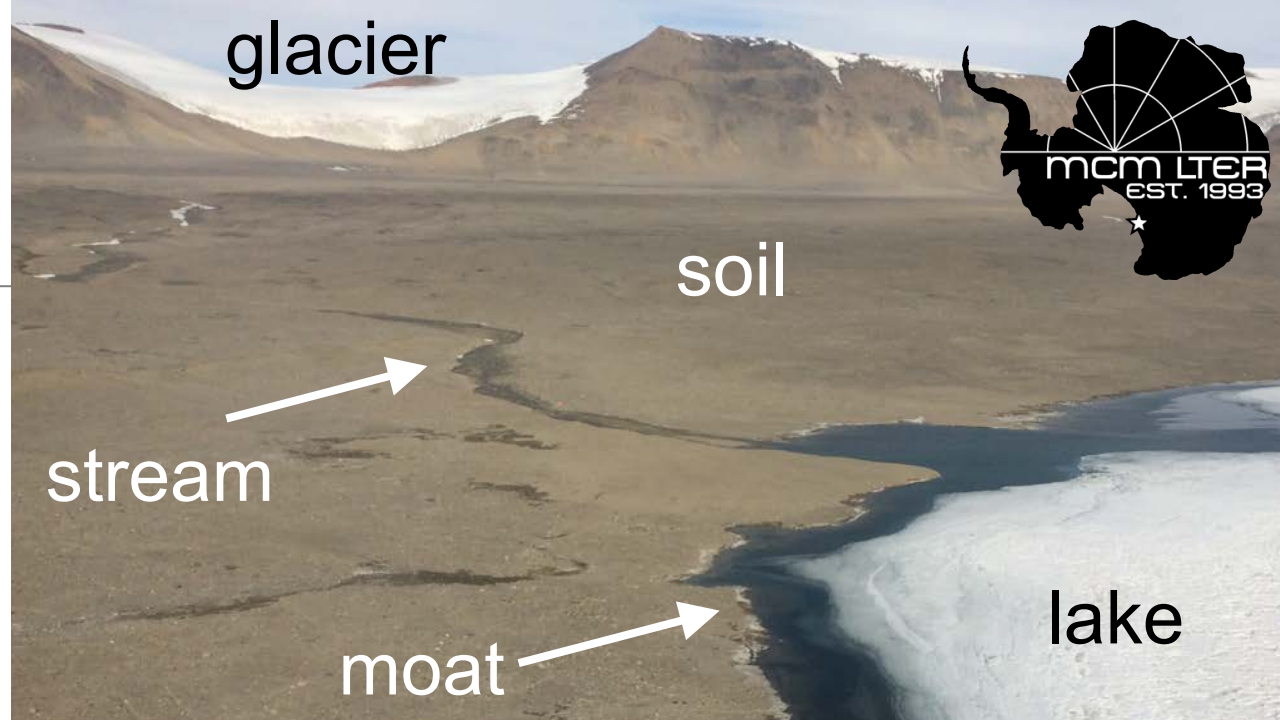
McKnight, Priscu, Devlin, Barrett

Annual measurements of:

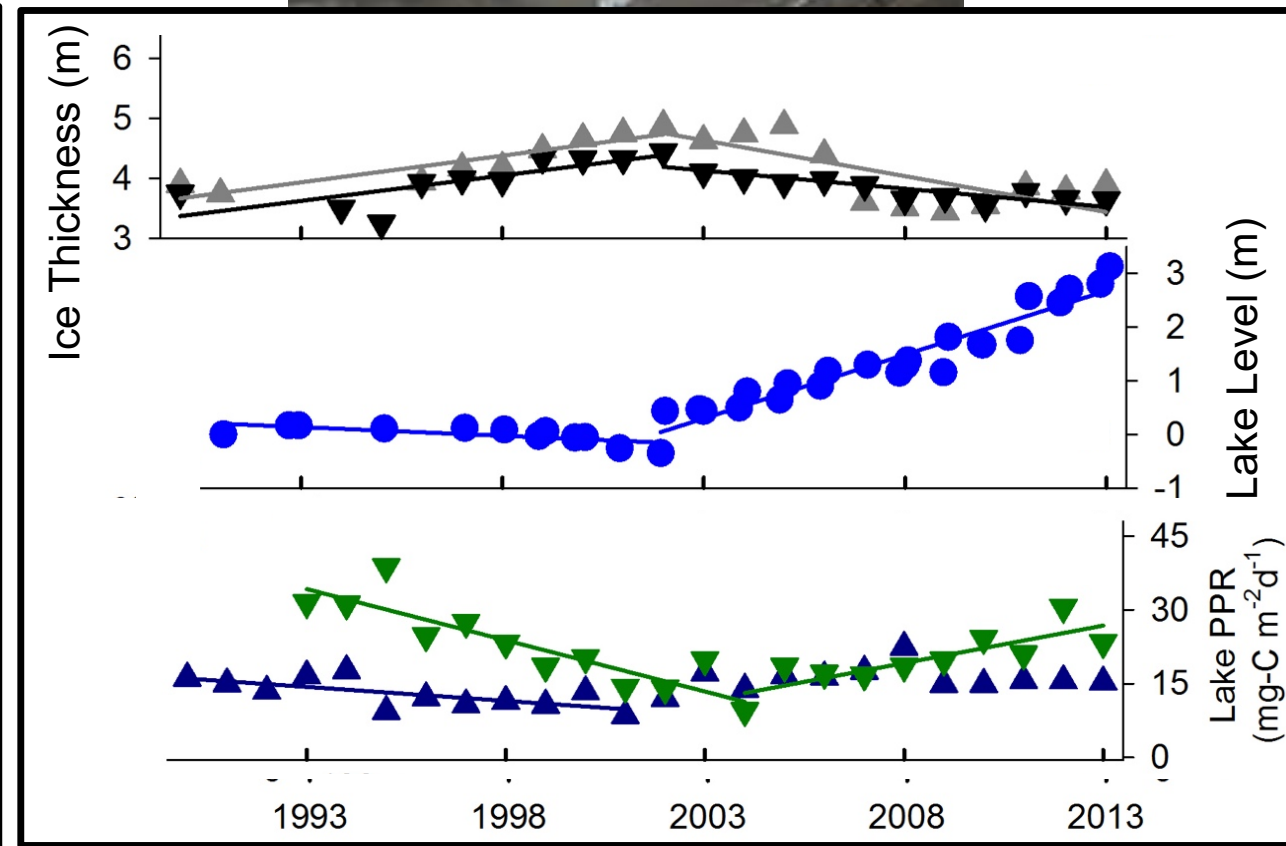
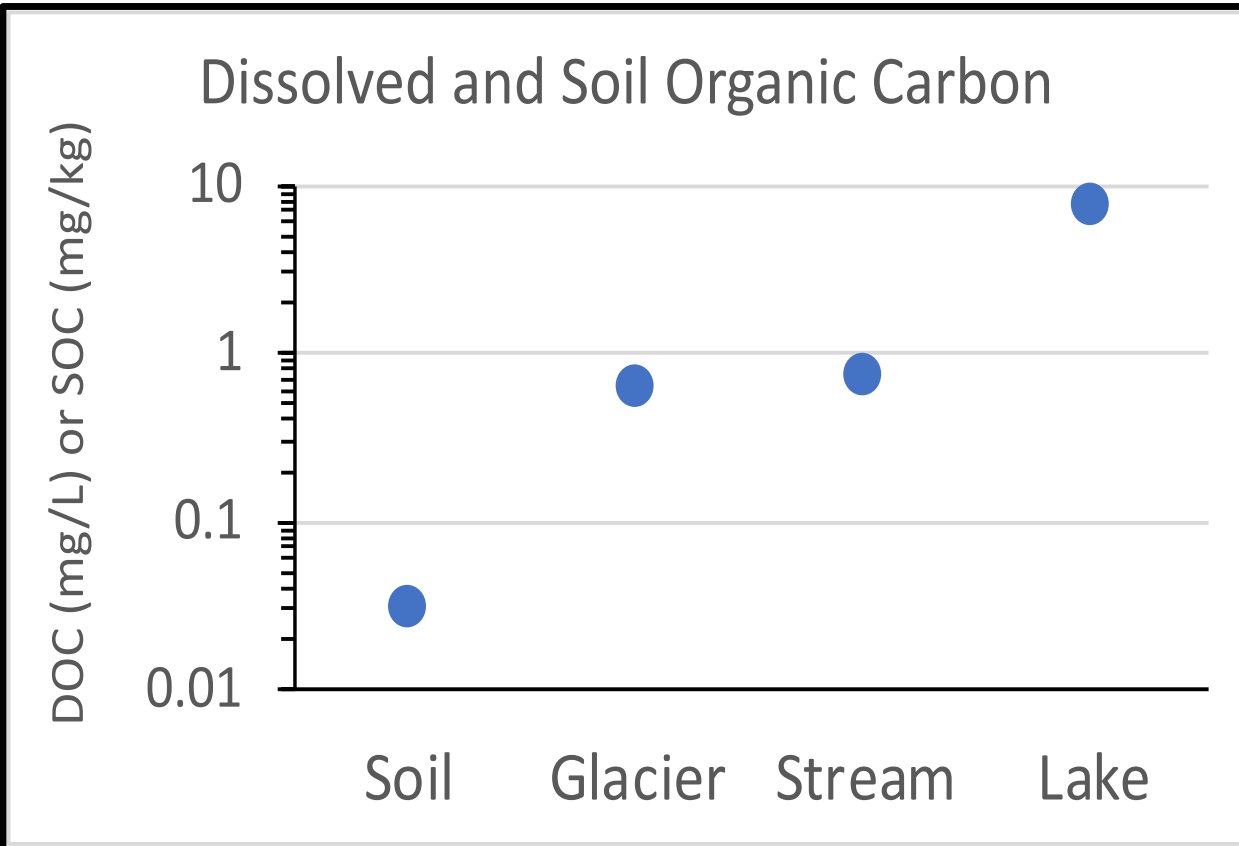
- Lake chl-a, PPR, DOC, DIC
- Stream chl-a, AFDM, DOC, DIC
- Soil chl-a

Increased ecological connectivity within the MDVs ecosystem will amplify exchange of biota, energy and matter, homogenizing ecosystem structure and functioning

- Allochthonous C input to streams?



OM distribution; PPR in lakes



Burkins et al., 2001; Bagshaw et al., 2013

Gooseff et al., 2017