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

Dissolved and Soil Organic Carbon

DOC (mg/L) or SOC (mg/kg)

Soil  Glacier  Stream  Lake

Dissolved and Soil Organic Carbon

Ice Thickness (m)

Lake Level (m)

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

Gooseff et al., 2017

Lake PPR (mgC m$^{-2}$ y$^{-1}$)

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

Gooseff et al., 2017