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?
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OM distribution; PPR in lakes

Dissolved and Soil Organic Carbon

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

Soil  Glacier  Stream  Lake

Ice Thickness (m)

Lake Level (m)

Lake PPR (mg C m$^{-2}$ d$^{-1}$)

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

Gooseff et al., 2017

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