

## Glacial Lakes

## Yedoma Lakes

## Peatland Lakes

S:(3 to 27)

M:(0 to 19)

S:(1 to 9)

M:(2 to 12)

S:(49 to 114)

M:(2 to 70)

S:(21 to 50)

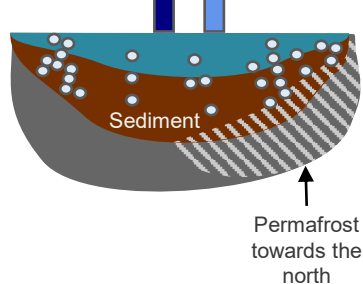
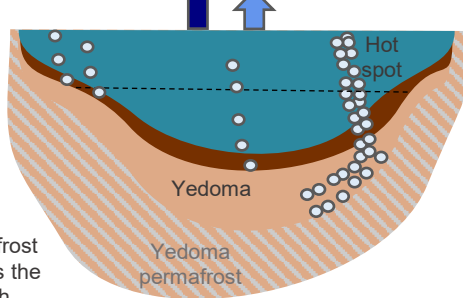
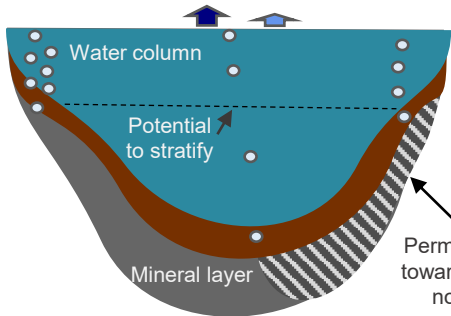
M:(3 to 17)

S:(3 to 90)

M:(21 to 80)

S:(9 to 102)

M:(18 to 42)



S: Small ( $SA < 0.1 \text{ km}^2$ )

M: Midsize ( $SA = 0.1\text{-}10 \text{ km}^2$ )

(flux IQR):

$\text{mg CH}_4 \text{ m}^{-2} \text{ d}^{-1}$

Water

Mineral layer

Organic sediment

Permafrost

Yedoma

CH<sub>4</sub> bubbles

CH<sub>4</sub> ebullition flux

CH<sub>4</sub> diffusion flux