

A photograph of a hillside showing soil creep. The ground is covered in dark, textured soil with small rocks and patches of green moss. A shovel with a wooden handle and a black head is stuck upright in the soil. The text "Soil creep" is overlaid in white, serif font in the center of the image.

Soil creep

Soil creep

The terrestrial, non-glacial cryosphere

Needle ice



Needle ice, Mount Hogs Back, Canada



Needle ice, Jotunheimen



Needle ice, Svalbard



Needle ice, Oslo



Needle ice, Dalton Highway, Alaska



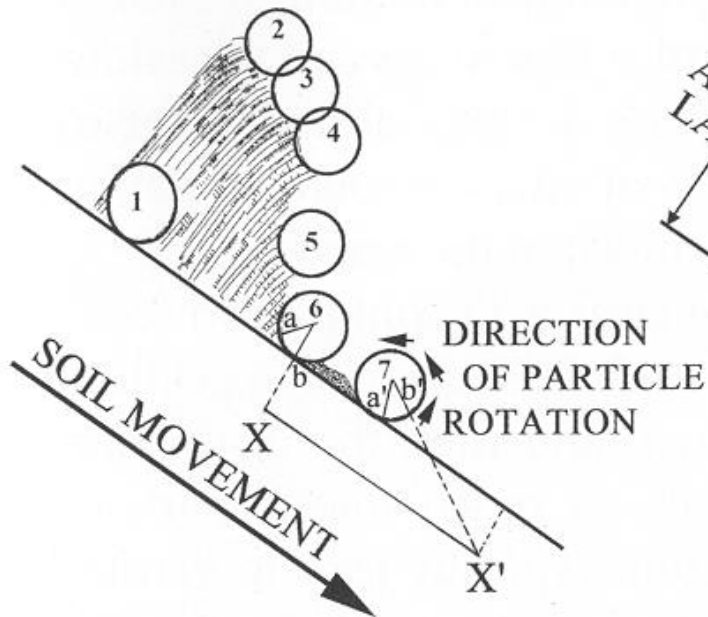
Needle ice, Dalton Highway, Alaska



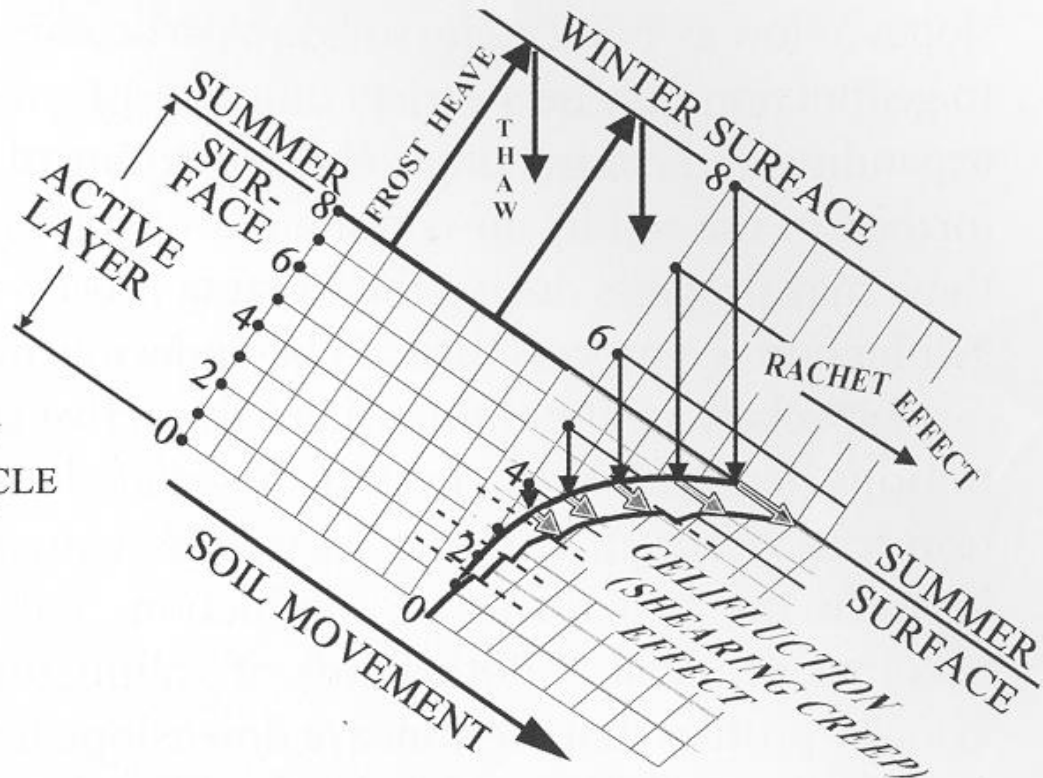
Surface lift by needle ice, Småland, Sweden



Needle ice, Mount Hogs Back, Canada



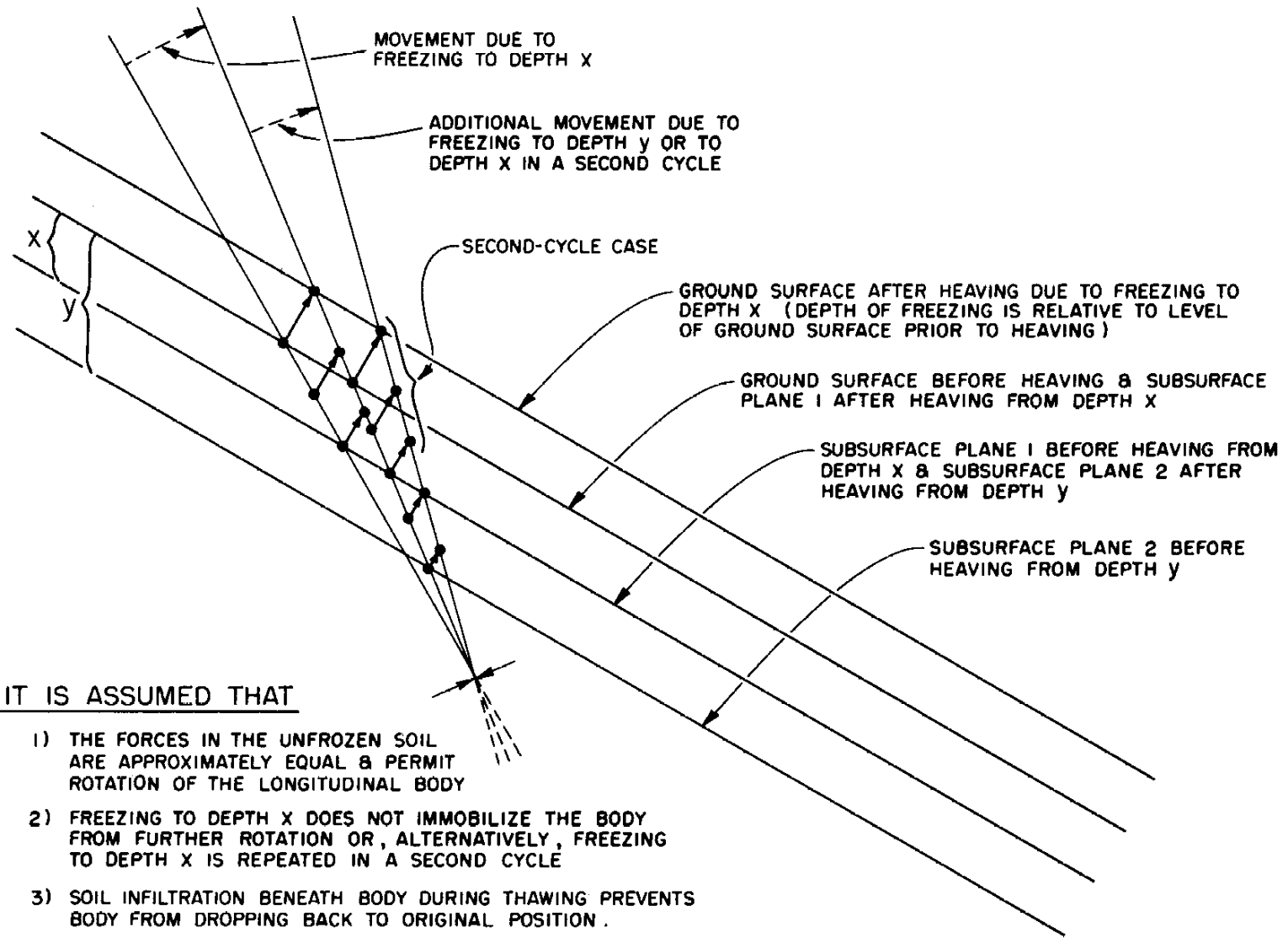
PIPKRAKE
(NEEDLE ICE)
SOIL TRANSPORT



FROST CREEP (FROST HEAVE RATCHETING)
AND GELEFRACTION (SHEARING) CREEP

Vertical boulders





Solifluction features



Solifluction, Griegsaksla, Svalbard



Solifluction, Vardeborgsletta, Svalbard













Solifluction lobes, Dalton Highway, Alaska



Solifluction lobe, Elgåhogna, eastern south Norway



Solifluction sheet, Leirdalen, Jotunheimen



Solifluction sheet, Blæsedalen, Disko



Solifluction sheet, Griegsaksla, Svalbard



Solifluction sheet, Griegsaksla, Svalbard



Ice rich permafrost, Svalbard

Solifluction sheet discordance, Elgåhogna, eastern south Norway

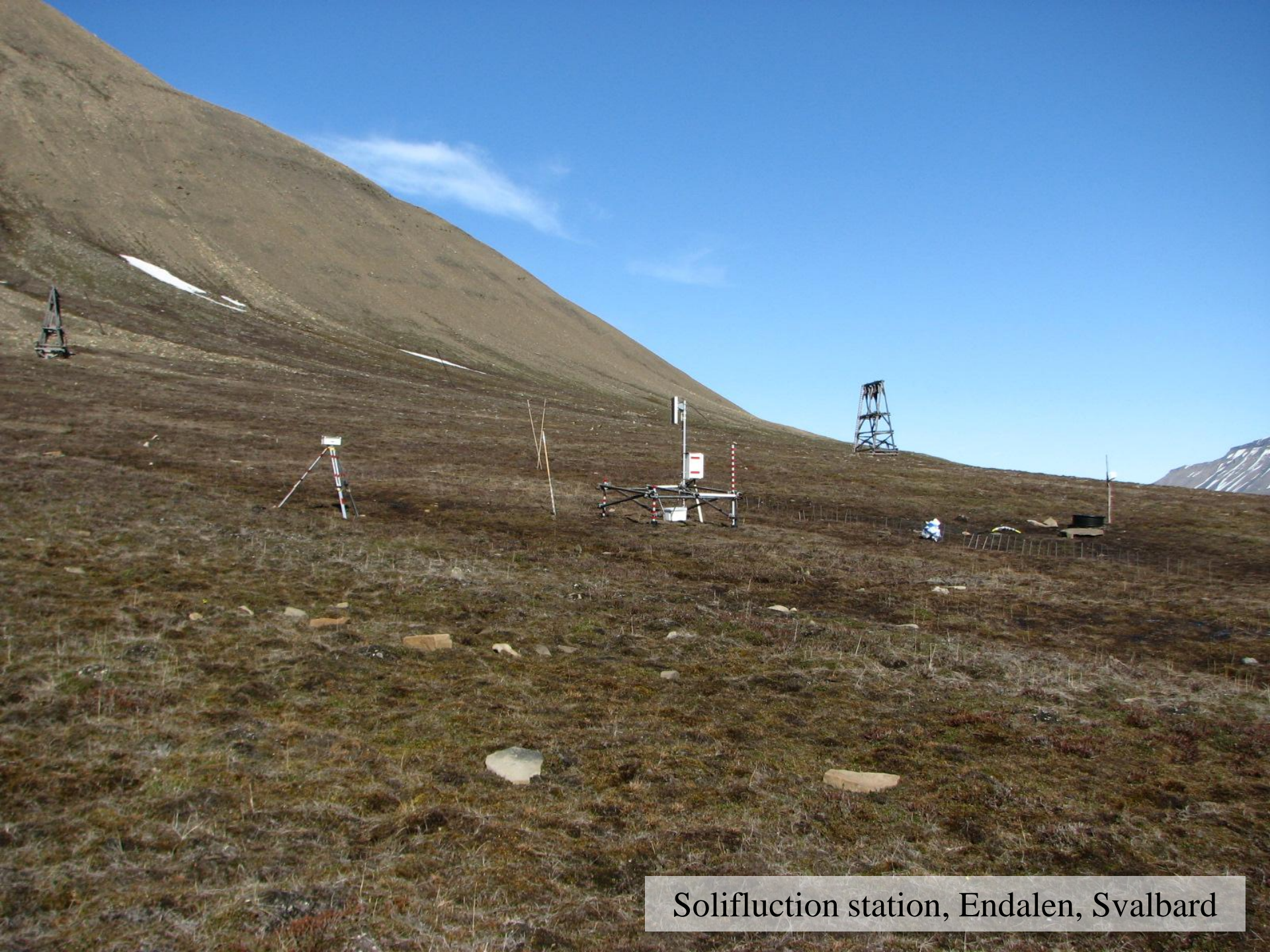




Solifluction lobes on Lurchers Crag Cairngorms



Solifluction lobes

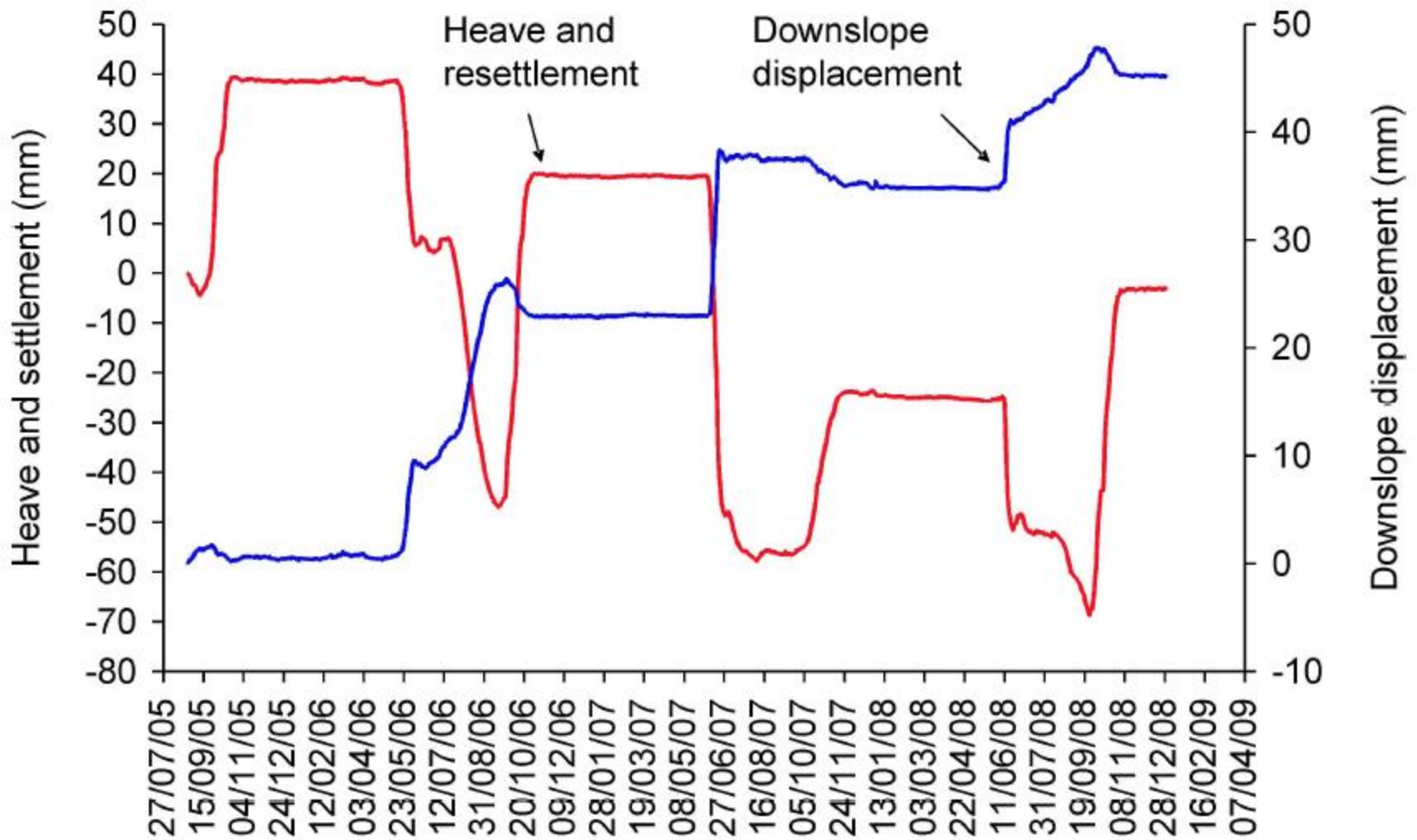


Solifluction station, Endalen, Svalbard

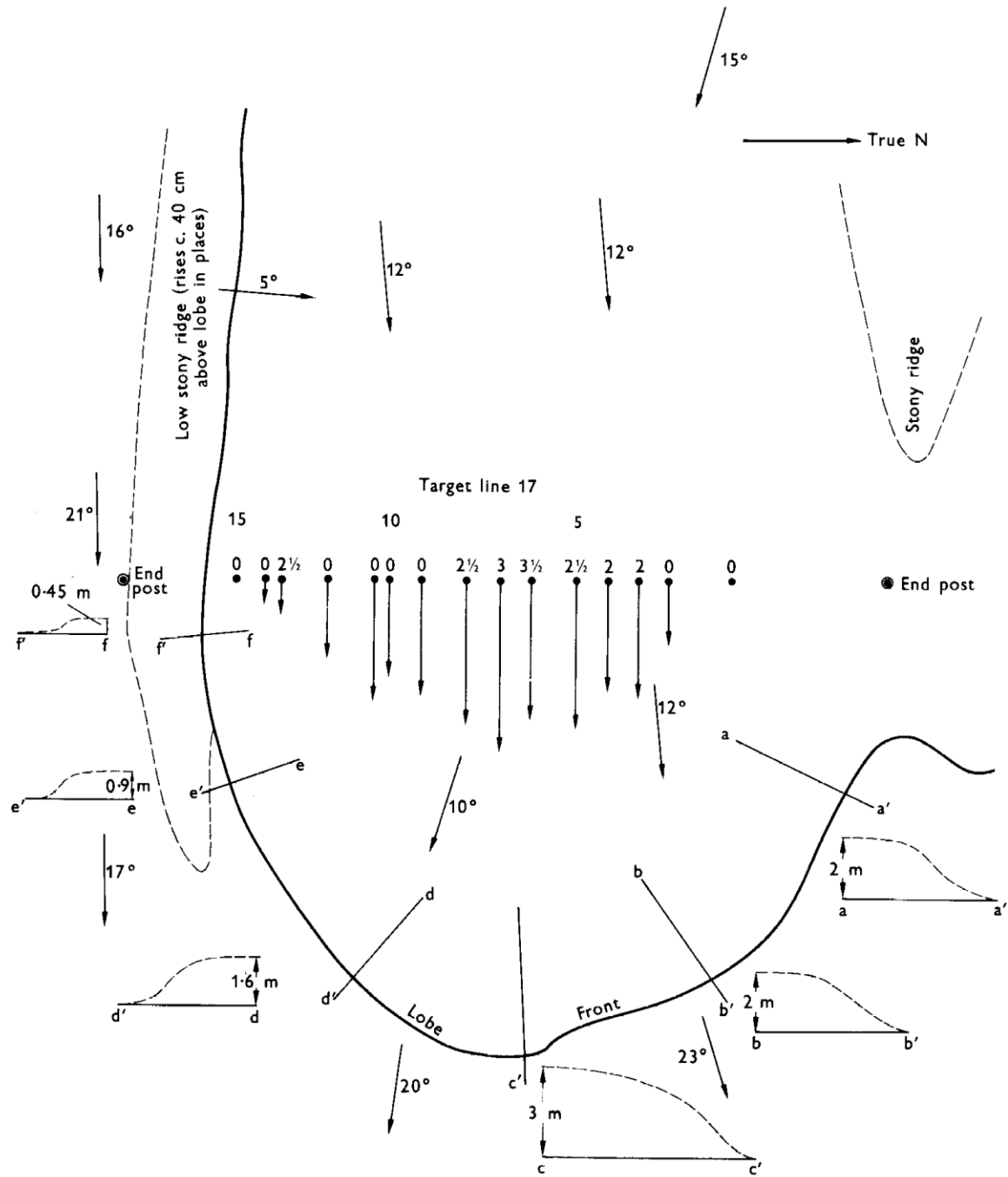


Solifluction station, Griegsaksla, Svalbard

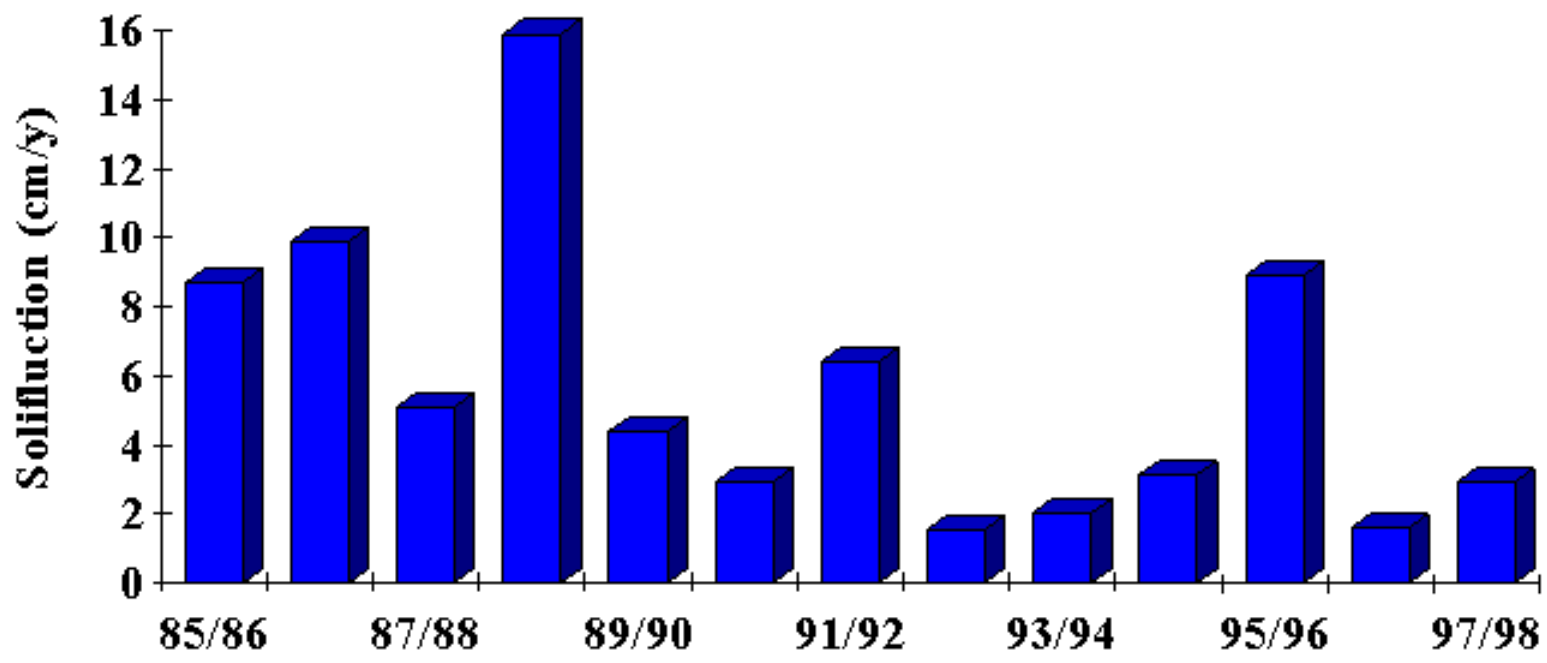




Harris et al. (submitted). The role of inter-annual climate variability in controlling solifluction processes, Endalen, Svalbard



**Glorer Hütte
Monitoring plot I (07)**



Hummocks



Earth hummocks



Sorted stripes



Earth stripes



Sorted stripes, Faroe Islands



Sorted stripes, Stallur, Faroe Islands



Sorted stripes, Disko Island, Greenland

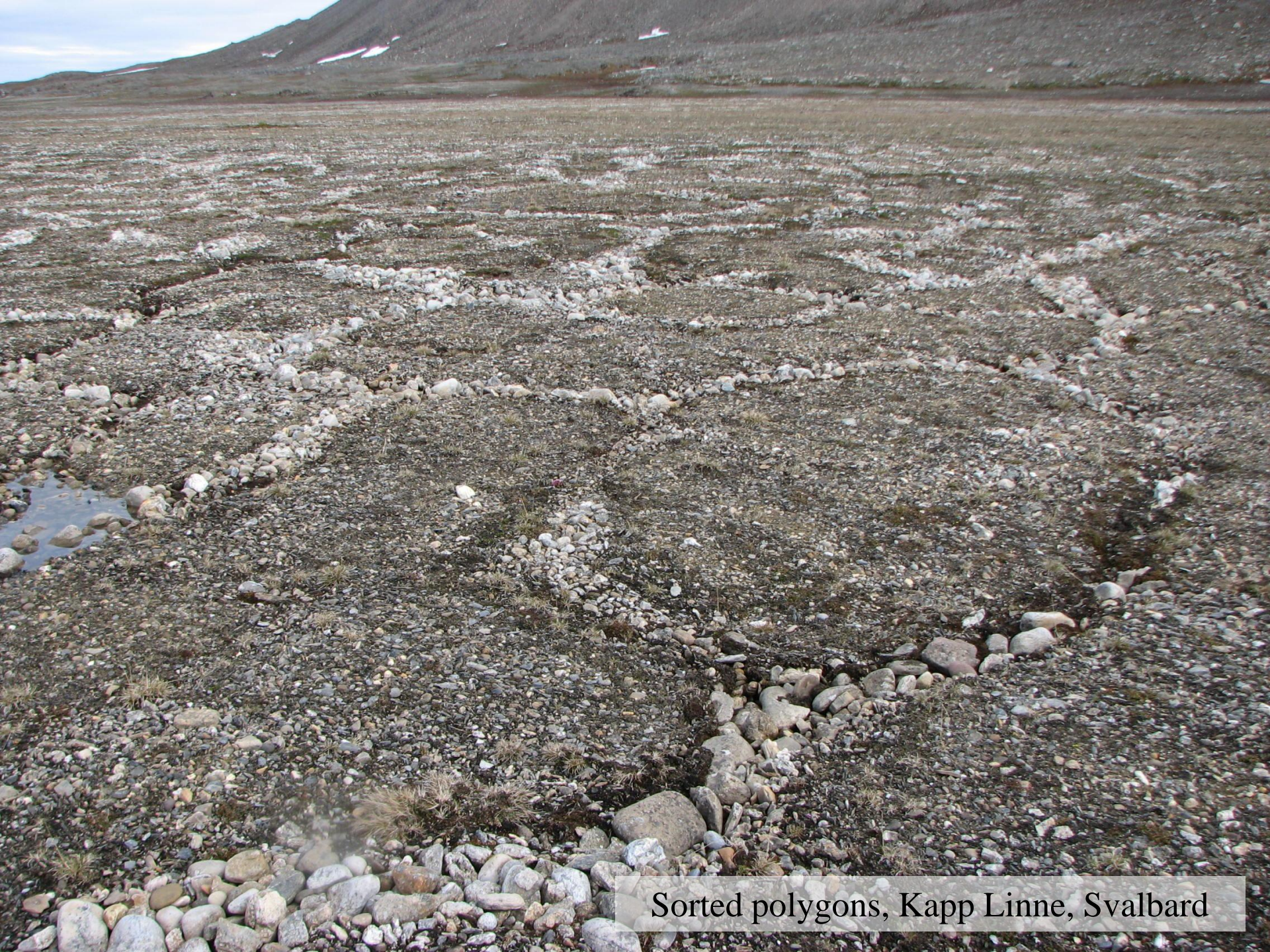


Overgrown solifluction, Disko Island, Greenland

Sorted polygons



Sorted polygons, Atigun Pass, Central Brooks Range, Alaska



Sorted polygons, Kapp Linne, Svalbard

Sorted circles



Sorted circles, Vardeborgsletta, Svalbard



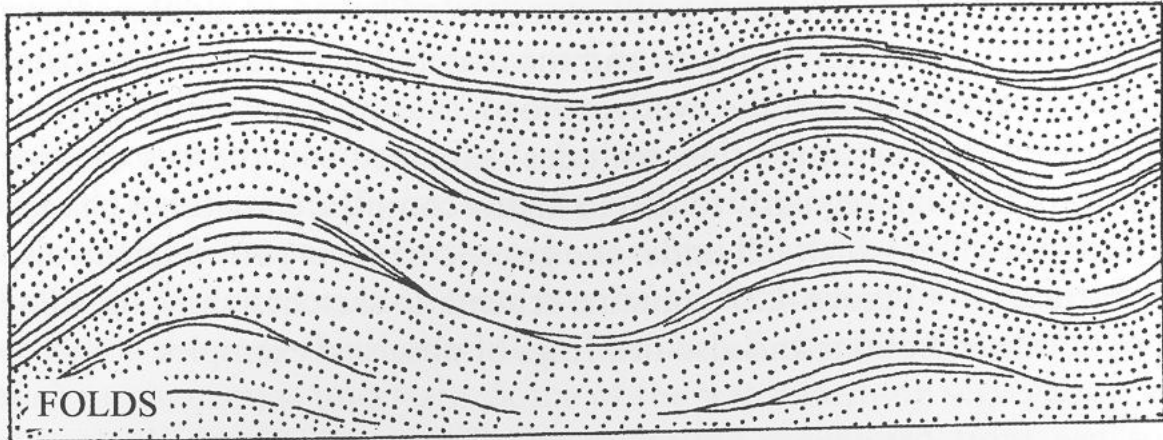
Sorted circles, Vardeborgsletta, Svalbard



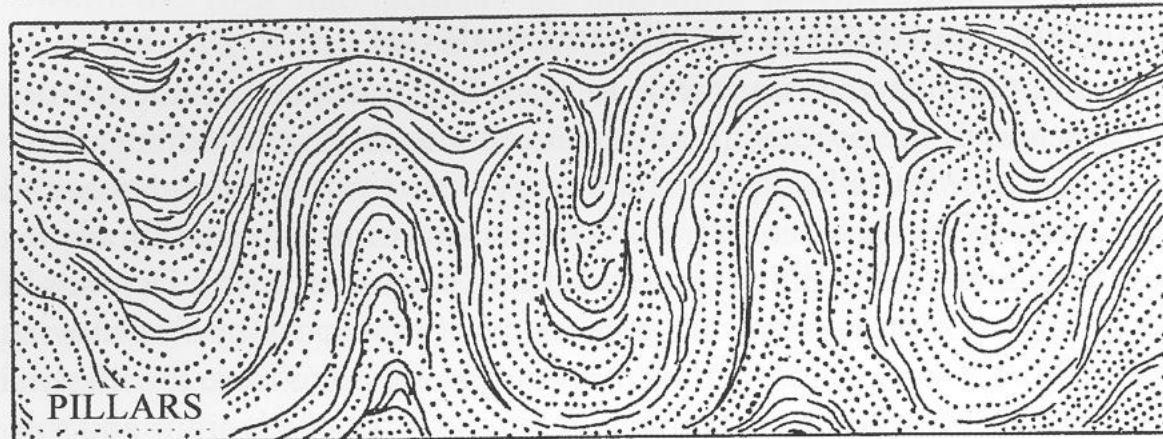
Sorted circles, Brøggerhalvøya, Svalbard



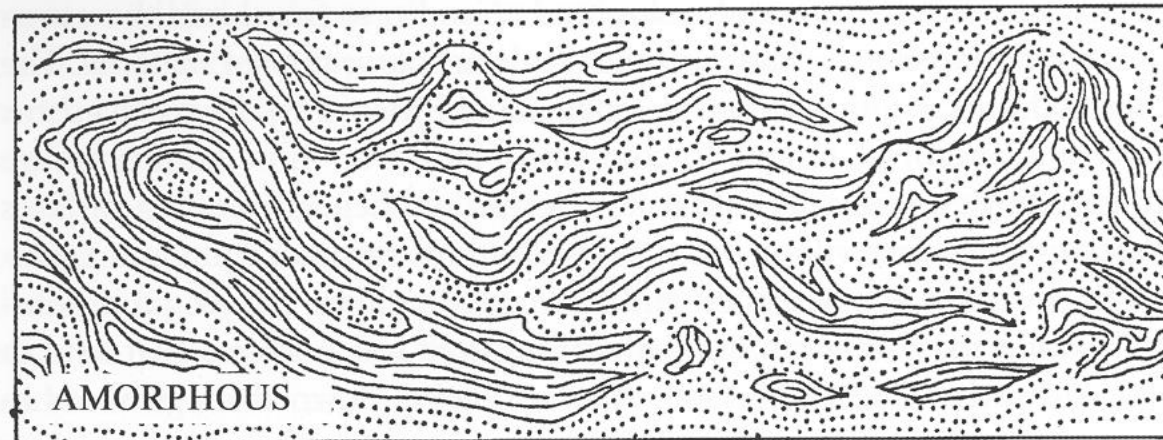
Sorted circles, Brøggerhalvøya, Svalbard



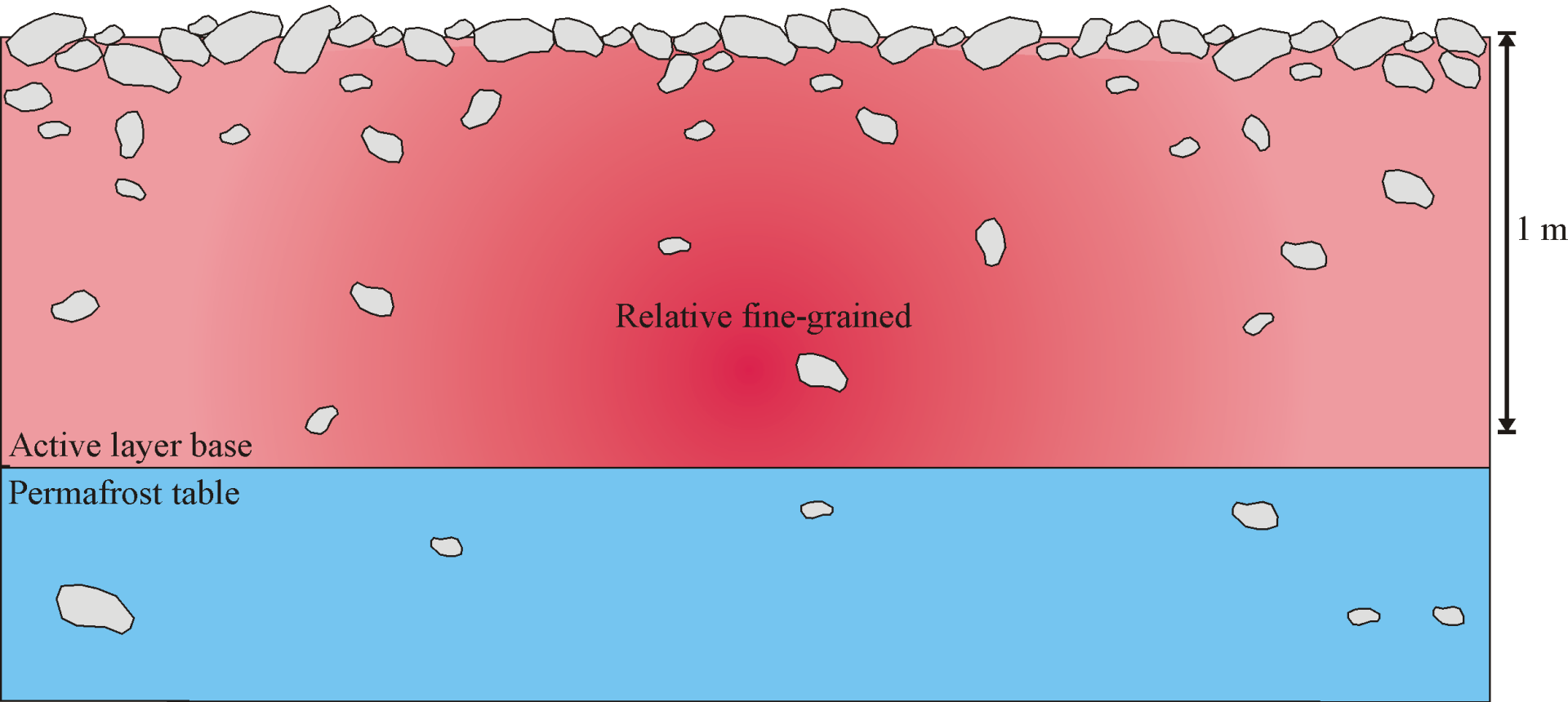
FOLDS



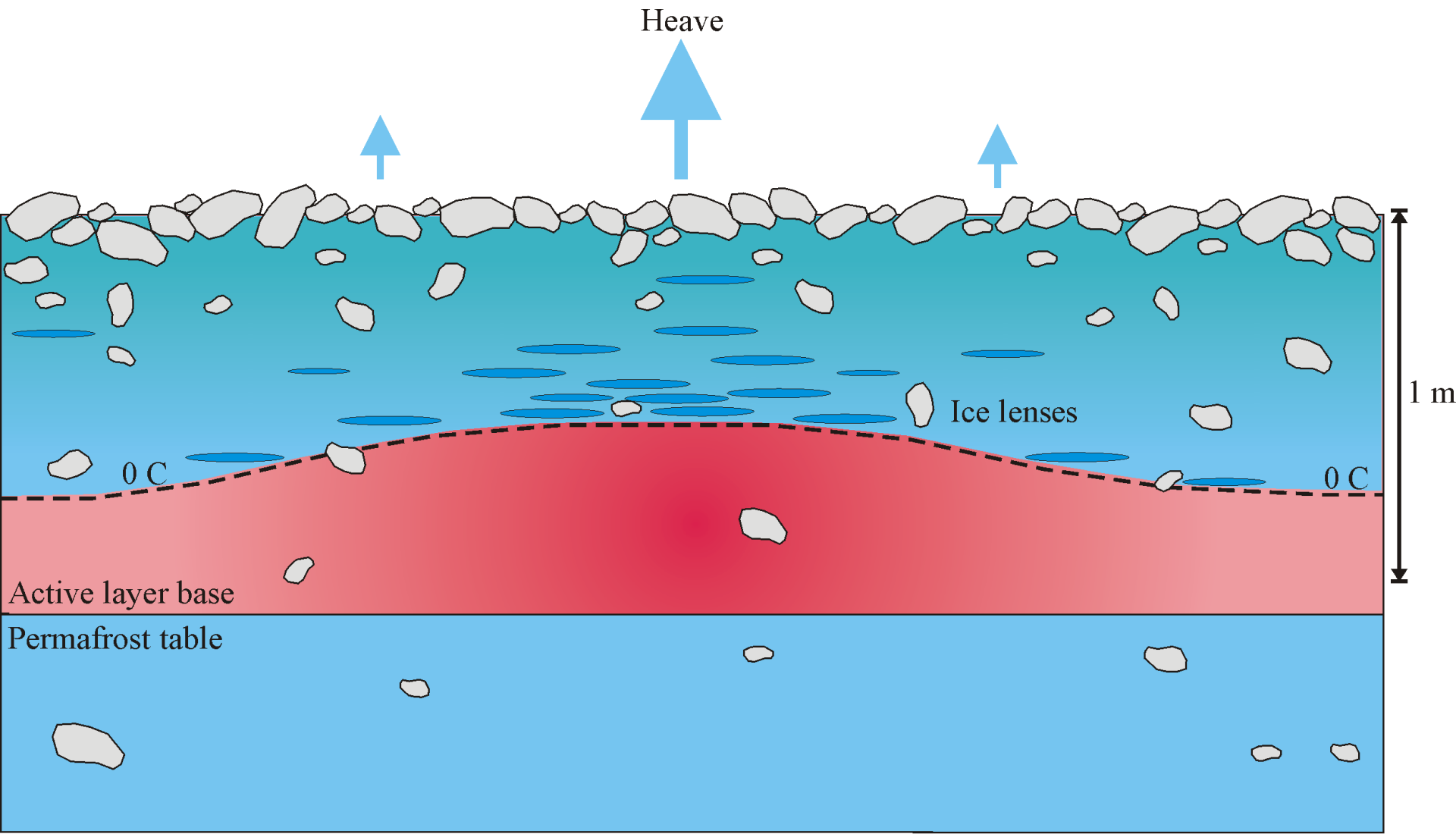
PILLARS



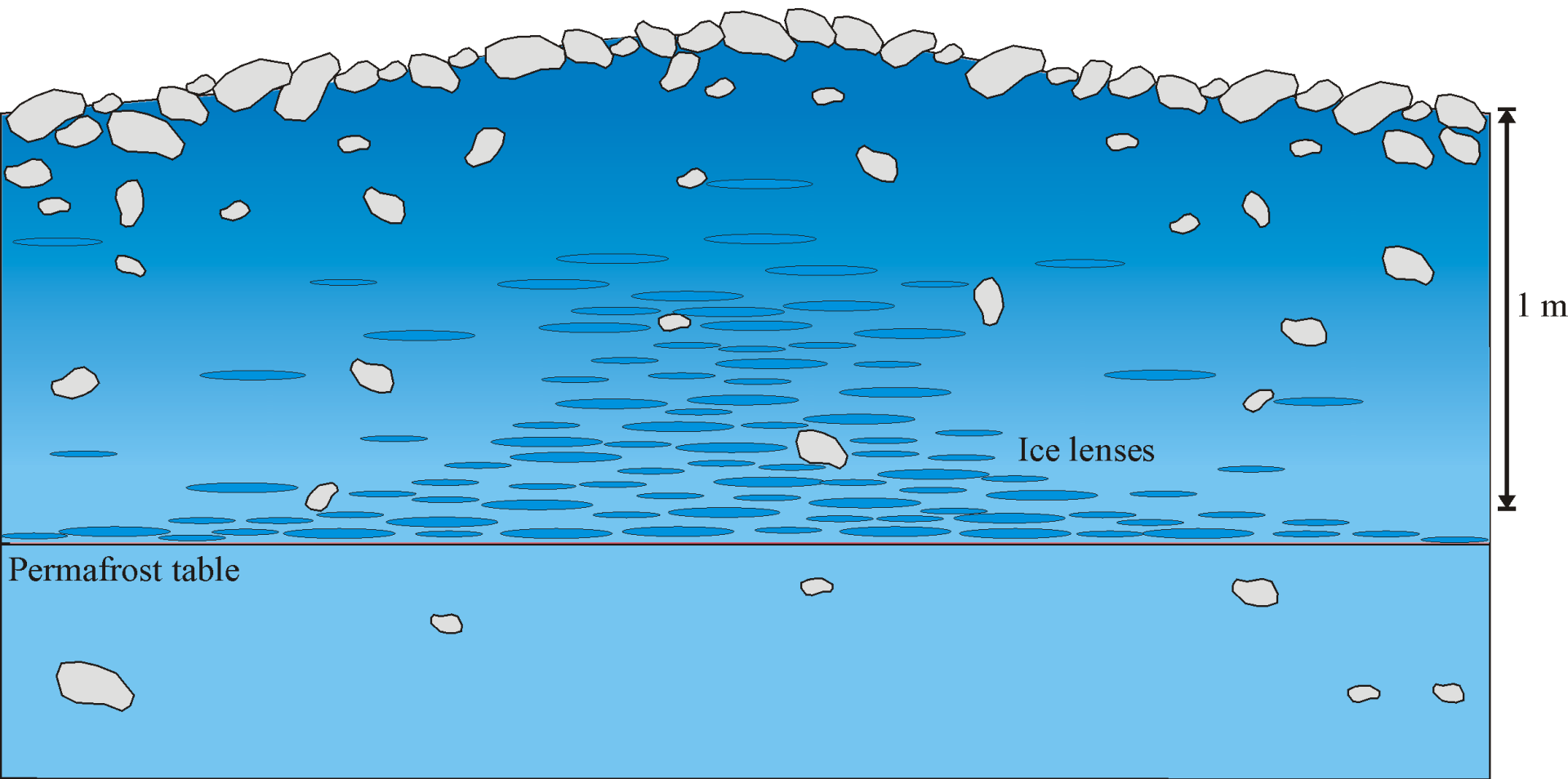
AMORPHOUS



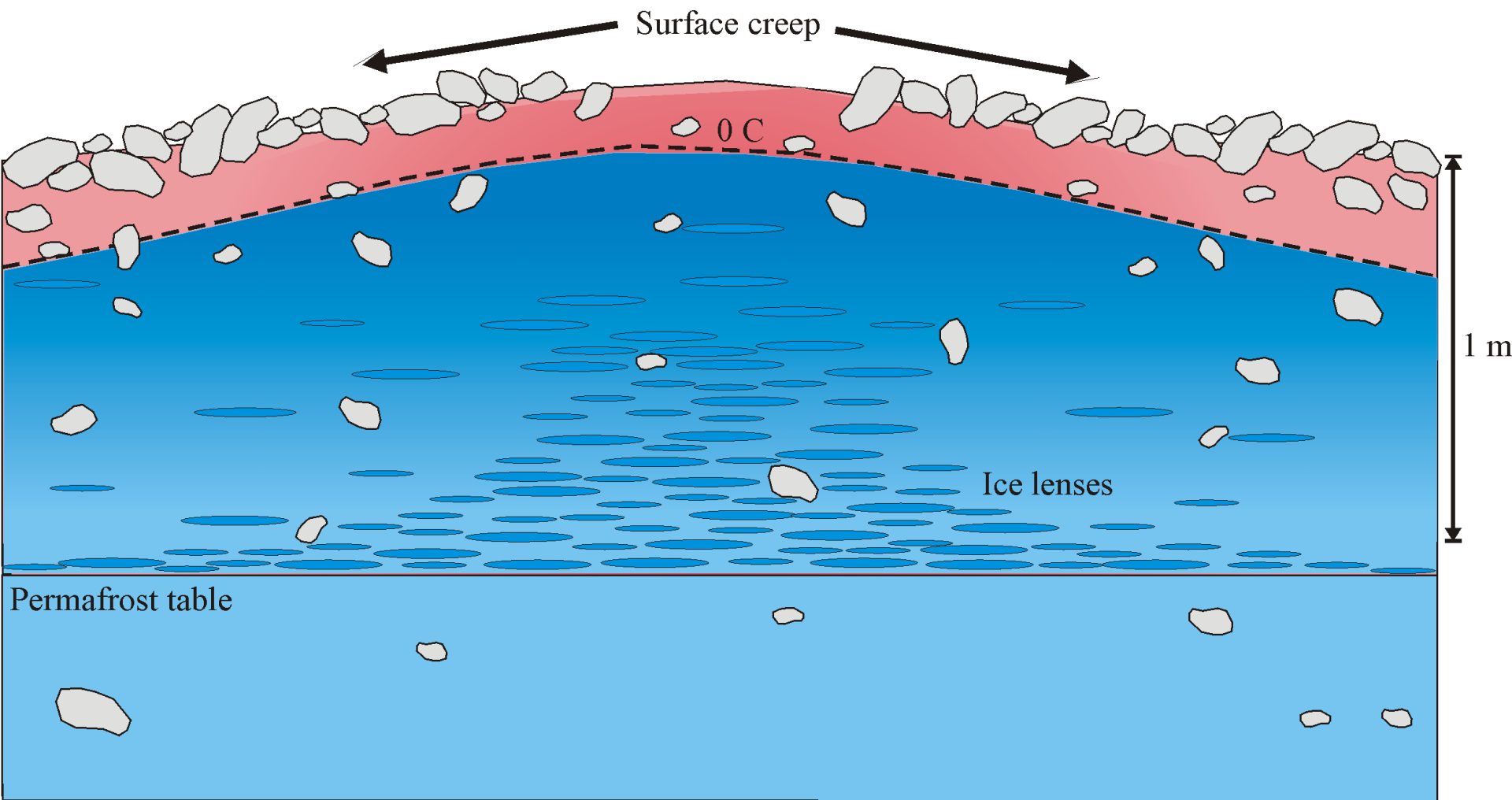
Initial situation



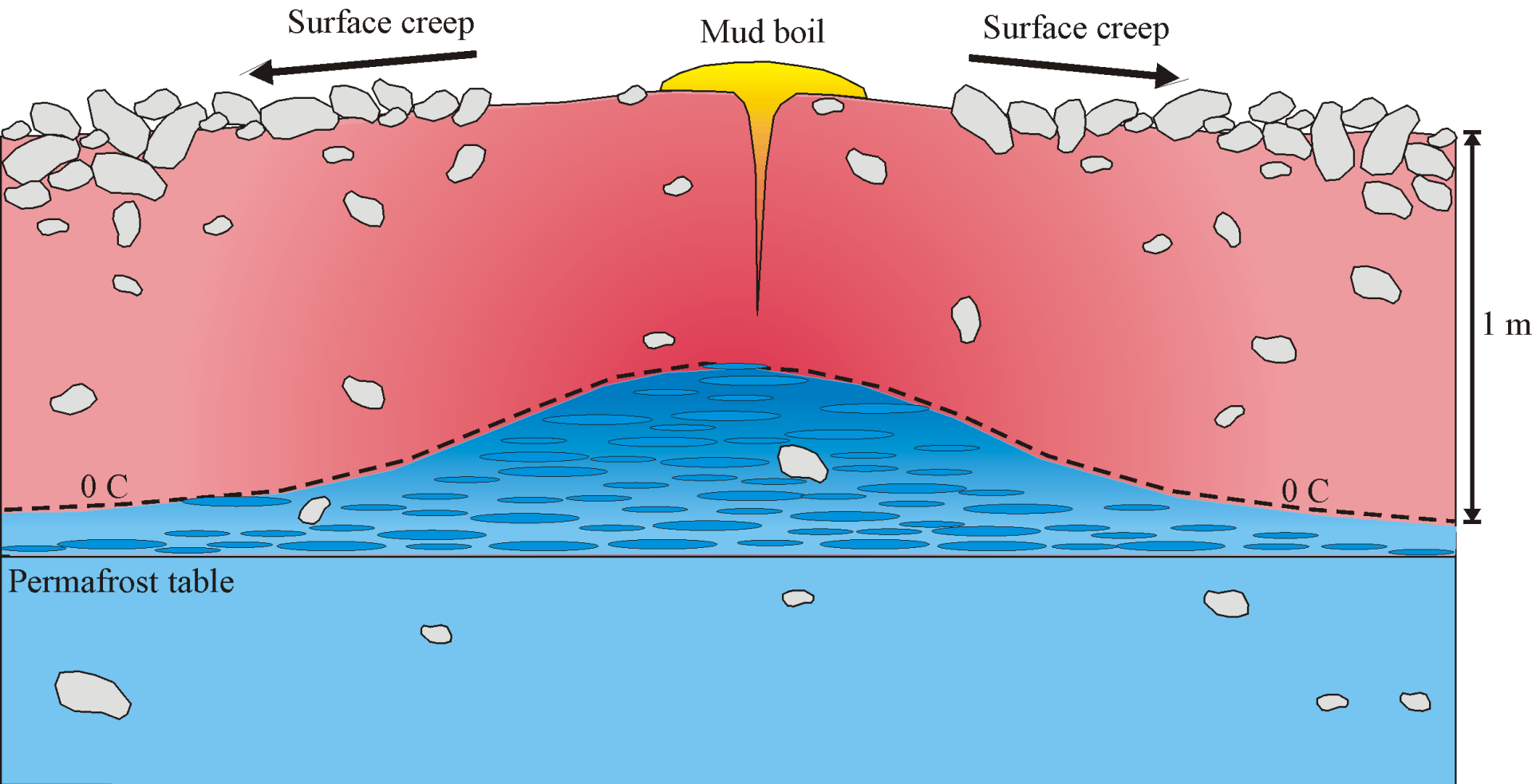
Freezing in autumn



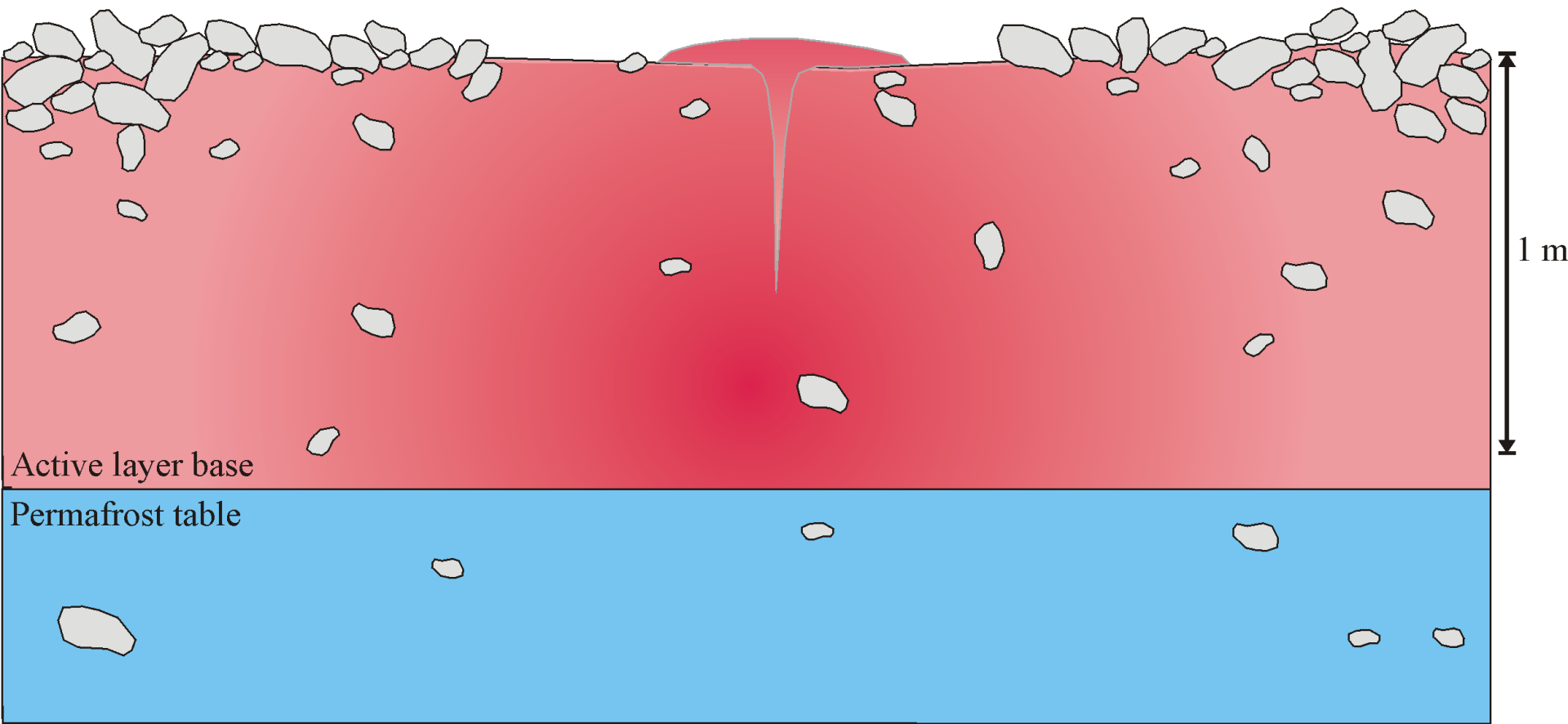
Midwinter



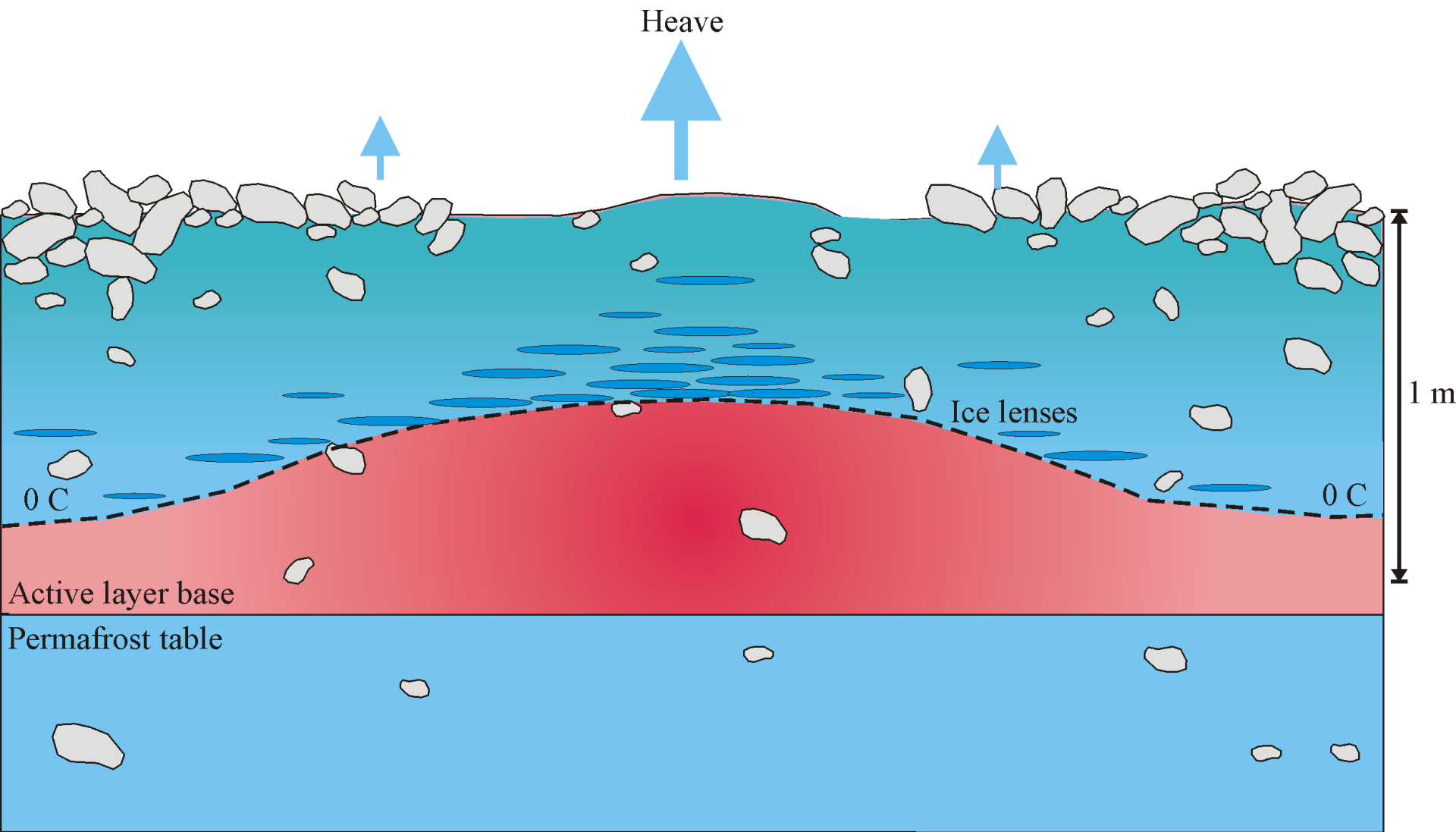
Spring



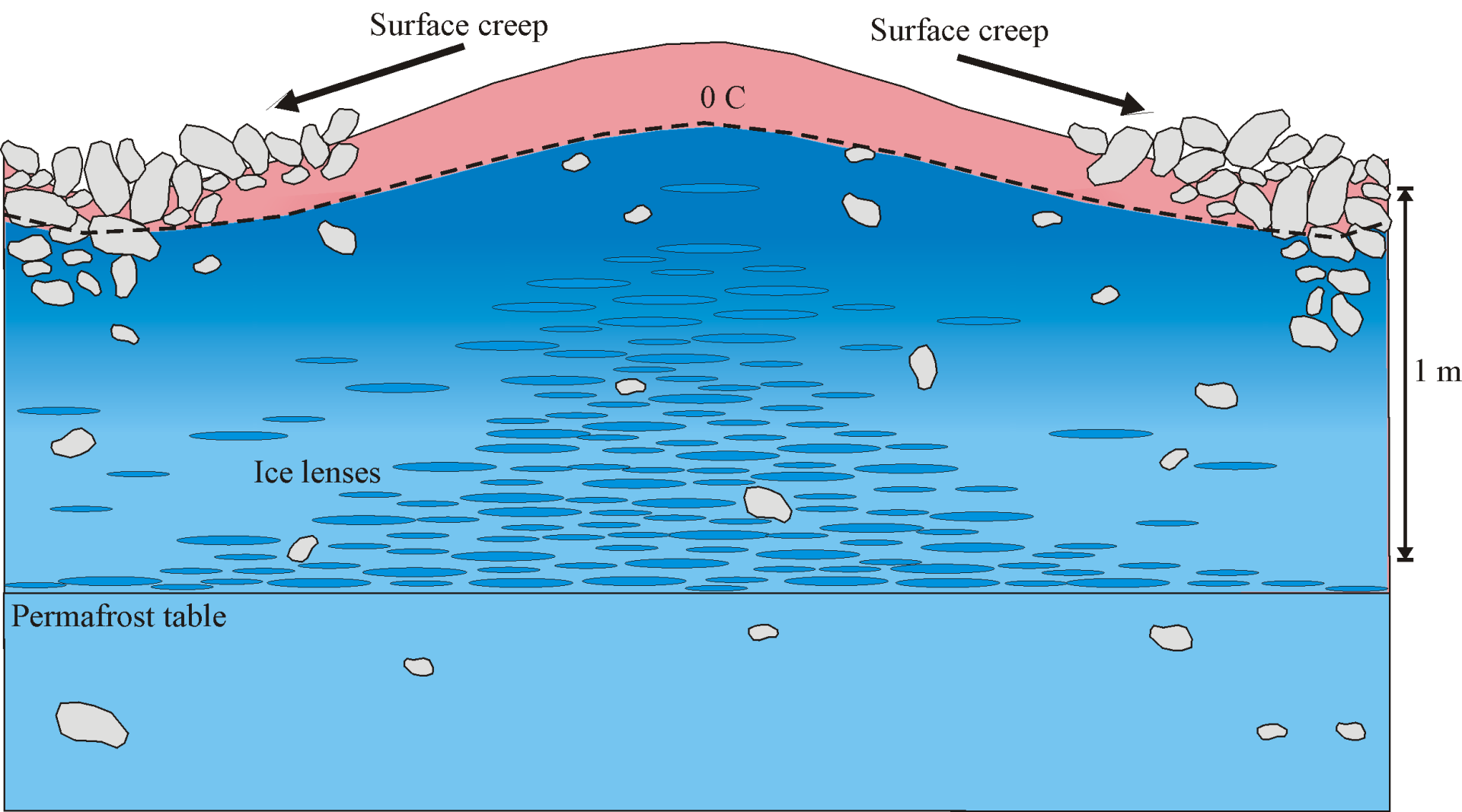
Summer



Late summer



Autumn



Spring

Related soil creep forms?

