“Thermokarst-On-Demand”
Observations from a Controlled Permafrost Warming Experiment
“Thermokarst-On-Demand”
Observations from a Controlled Permafrost Warming Experiment

10cm Subsidence

20 m
Temperature Monitoring Well

Heater Array

Active Layer

Suprapermafrost

Permafrost

Subsidence

Conduction

Advection?

Vehicle Noise (5-25Hz)

New Interface

Old Interface

Temperature Monitoring Well

Heater Array

Active Layer

Suprapermafrost

Permafrost

Subsidence

Conduction

Advection?

Vehicle Noise (5-25Hz)

New Interface

Old Interface

Temperature (°C)

Soil Depth (m)

Depth [m]

X [m]

Temperature Monitoring Well

Heater Array

Active Layer

Suprapermafrost

Permafrost

Subsidence

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Vehicle Noise (5-25Hz)

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Temperature (°C)

Soil Depth (m)

Depth [m]

X [m]