

Supplemental Information

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Supplemental Table 1. Thaw extent (m²) and volumetric settlement loss (m³) due to lateral and vertical thaw derived from repeat lidar DEMs for a 300 m by 500 m buffered area around each transect.

Transect		Percent	Extent	Volume
T1	Lateral	16.1	24097	1595
	Vertical	37.2	55806	4381
TF01	Lateral	18.2	27297	2125
	Vertical	29.7	44509	3447
TF10	Lateral	17.7	26555	5015
	Vertical	46.1	69125	9755
TF88	Lateral	10.5	15732	374
	Vertical	60.8	91206	3350