

An Estimate of Ice Wedge Volume for a High Arctic Polar Desert Environment, Fosheim Peninsula, Ellesmere Island

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Supplementary Material

Table S1. Mean perimeter and area of polygons at each site for each delineation method

Delineation method	Mean perimeter (m)				Mean area (m ²)			
	EL1	EL2	EL3	AH1	EL1	EL2	EL3	AH1
Manual	62.11	100.67	47.82	243.48	255.53	624.60	149.04	2709.50
Thiessen Polygons	62.45	103.77	48.39	214.95	260.82	697.06	155.67	3130.34
Watershed Segmentation	61.28	101.58	48.24	211.27	256.26	627.63	149.49	2692.54

Table S2. Comparison of mean distance between centre points for all delineation methods at each site

Delineation method	Mean Distance (m)			
	EL1	EL2	EL3	AH1
Manual / Thiessen approximated	0.85	1.73	0.79	1.74
Manual / Thiessen	1.52	2.65	1.34	3.88
Thiessen / Thiessen approximated	1.64	2.63	1.32	3.95
Manual / Watershed Segmentation	0.74	1.71	2.15	2.25