

Consequences of Catastrophic Lake Drainage:

Will Ghost Lakes Increasingly Haunt the New Arctic during Snowmelt?

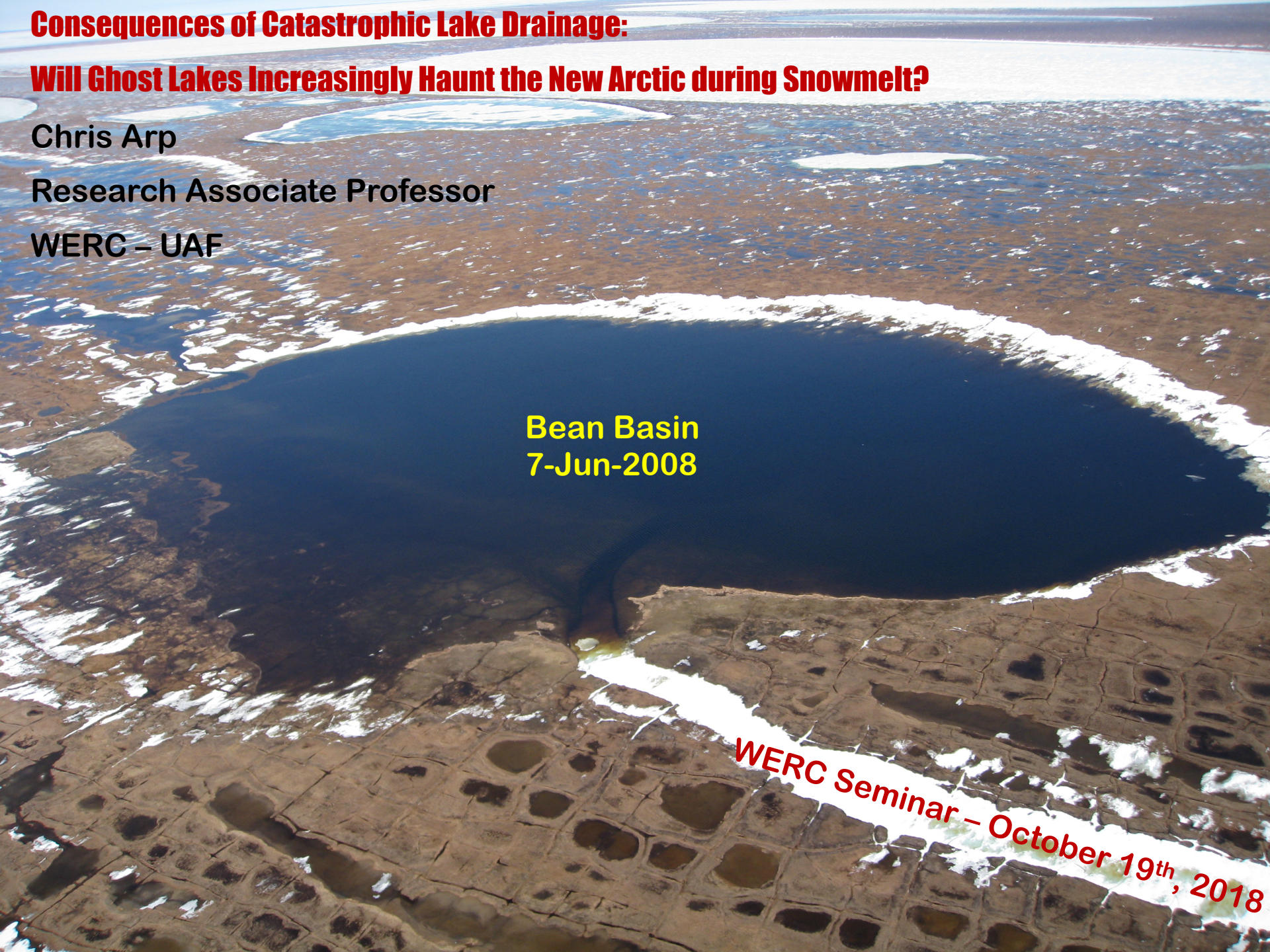
Chris Arp

Research Associate Professor

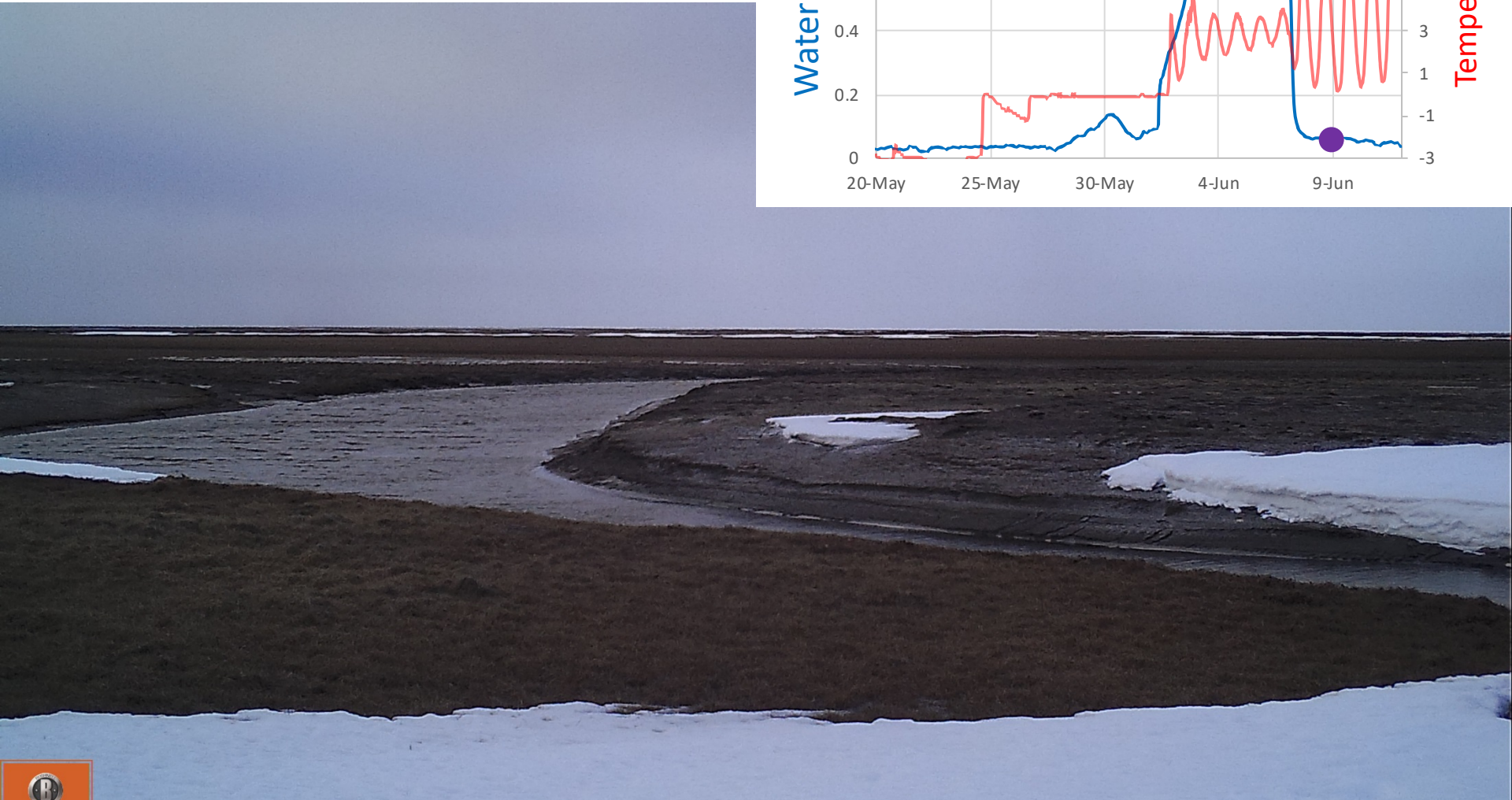
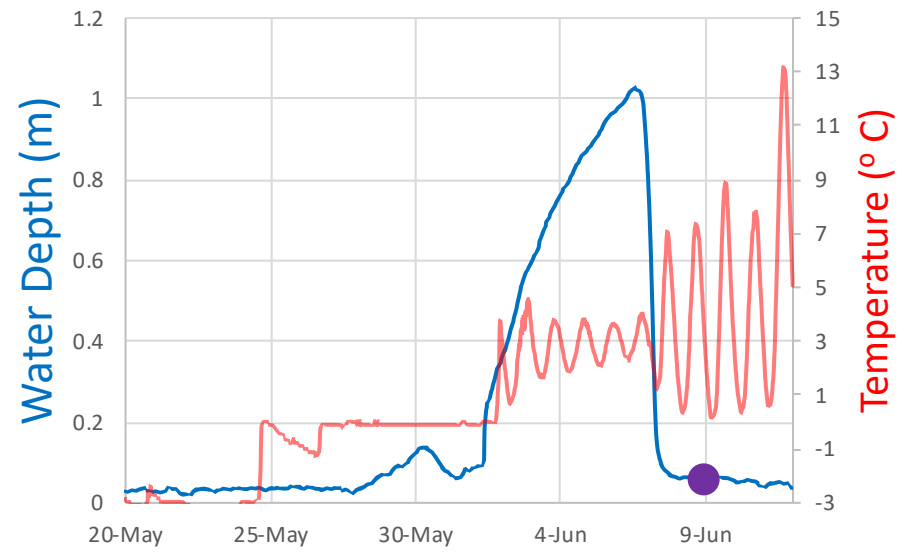
WERC – UAF

Bean Basin
7-Jun-2008

WERC Seminar – October 19th, 2018



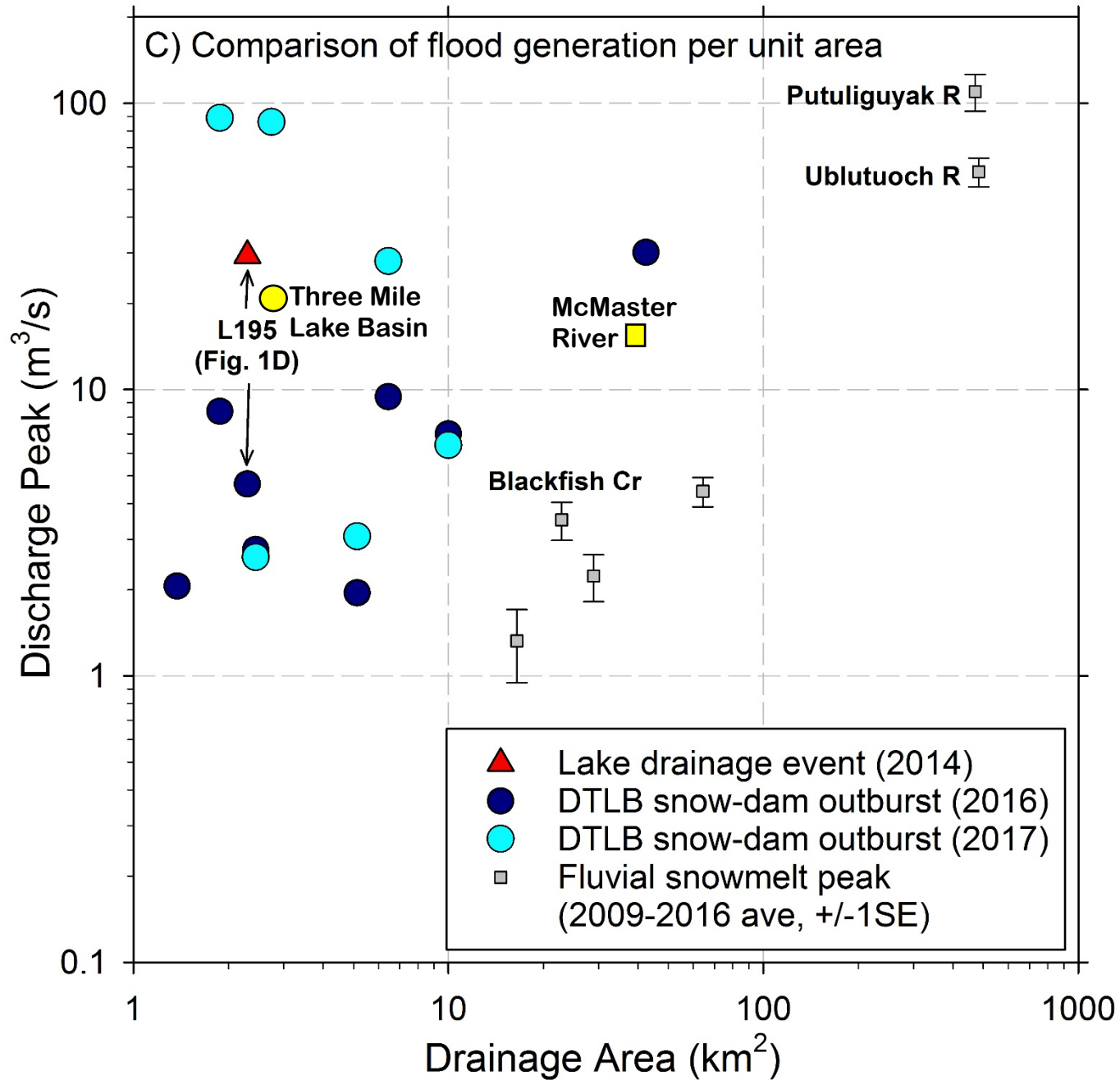
Snow-dam Outbursts from Drained Lake Basins on Camera & Sensor



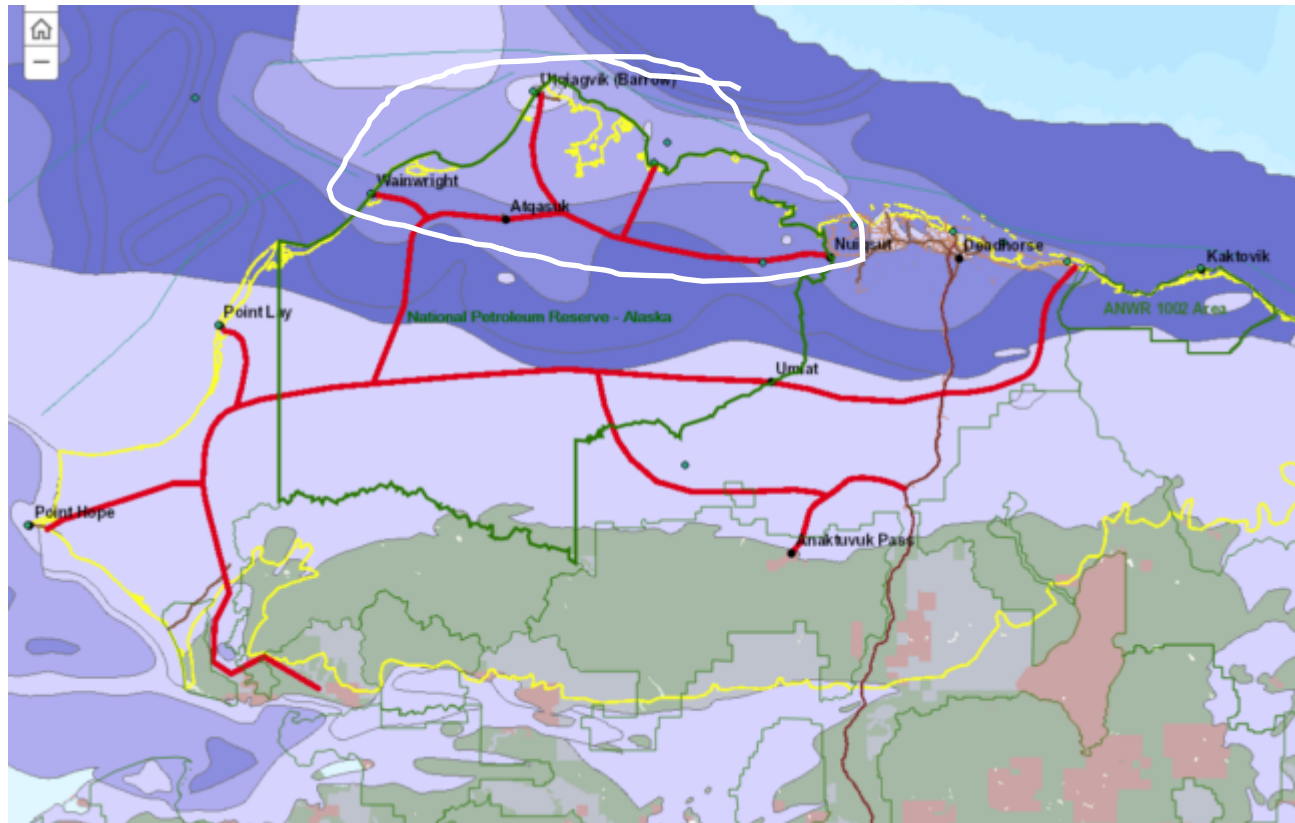
CameraName

24°F - 4°C

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Arctic Strategic Transportation & Resources Vision (ASTAR)



Proposed Road Segment	Distance (km)	# of Major River Crossings	# of Lake Intersections	# of DTLB Intersections
Nuiqsut - Atkasuk	225	14	110	232
Smith Bay spur	59	4	29	4
Utqiavik spur	87	5	36	44
Atkasuk - Wainwright	93	2	58	231
Total	464	25	233	511