

Soil Respiration Station Sites

Photos of 10 of the sites follow the site information.

Site Information

Data from eleven different stations across various sites in Alaska are currently available. Details from each site are provided below.

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Site Name: Anaktuvuk Burned

Site Code: AKB

Latitude: 68.990797 **Longitude:** -150.2702

Site Description: The site is located near the Anaktuvuk river north of Toolik field station within the severe burned area of the 2007 Anaktuvuk river fire. The vegetation is characterized by moss and tussock tundra. The SRS was deployed in late June of 2017.

Site Name: Anaktuvuk Unburned

Site Code: AKU

Latitude: 68.929906 **Longitude:** -150.2798

Site Description: The site is located in an undisturbed area near the Anaktuvuk river north of Toolik field station. The vegetation at the site is characterized by moss and tussock tundra. The SRS was deployed in late June of 2017. The SRS was deployed in late June of 2017.

Site Name: Atqasuk

Site Code: ATQ

Latitude: 70.47 **Longitude:** -157.41

Site Description: The site is located near the city of Atqasuk, and the vegetation at the site is characterized by The SRS was deployed in late July of 2017.

Site Name: Bonanza Creek

Site Code: BNZ

Latitude: 64.695999 **Longitude:** -148.325677

Site Description: The site is located near the Bonanza Creek LTER Site, within a boreal black spruce stand. The SRS was deployed in August of 2016.

Site Name: Eight Mile Lake

Site Code: EML

Latitude: 63.880123 **Longitude:** -149.256008

Site Description: The site is located off of the Stampede Trail in Healy. The area is characterized by moist tundra and sedge/shrub vegetation. The SRS was deployed in August of 2016.

Site Name: Hess Creek Unburned

Site Code: HCU

Latitude: 65.567389 **Longitude:** -148.925157

Site Description: The site is located just off of the Dalton Highway between mile 11 and 12, within an unburned boreal black spruce forest. The SRS was deployed in August of 2016.

Site Name: Hess Creek Burned

Site Code: HCB

Latitude: 65.568762 **Longitude:** -148.92344

Site Description: The site is located just off of the Dalton Highway between mile 11 and 12, within a burned boreal black spruce forest (1995). The SRS was deployed in August of 2016.

Site Name: I-Minus High

Site Code: IMH

Latitude: 68.557159 **Longitude:** -149.532908

Site Description: The site is located approximately 1 km off of the Dalton Highway, a few miles south of Toolik Field Station. The station is located on top of a hillside and is characterized by tussock tundra. The SRS was deployed in August of 2016 and removed in late June of 2017.

Site Name: I-Minus Low

Site Code: IML

Latitude: 68.5593 **Longitude:** -149.51605

Site Description: The site is located approximately 1 km off of the Dalton Highway, a few miles south of Toolik Field Station. The station is in a lowland, wet sedge fen area (Riparian). The SRS was deployed in August of 2016 and removed in late June of 2017.

Site Name: Nome Creek Burned - NEW

Site Code: NCB_NEW

Latitude: 65.28603 **Longitude:** -146.55833

Site Description: The site is located less than a 1 km off of the Steese Highway near mile 63. The station is in a burned area (2004), and the vegetation is characterized by willow/herbaceous scrub. The SRS was deployed in early September of 2017.

Site Name: Nome Creek Unburned – OLD

Site Code: NCU_OLD

Latitude: 65.285561 **Longitude:** -146.560019

Site Description: The site is located within the White Mountain Recreation Area, on a south facing slope characterized by willow/herbaceous scrub vegetation. The SRS was deployed in August of 2016 and removed in late June of 2017.

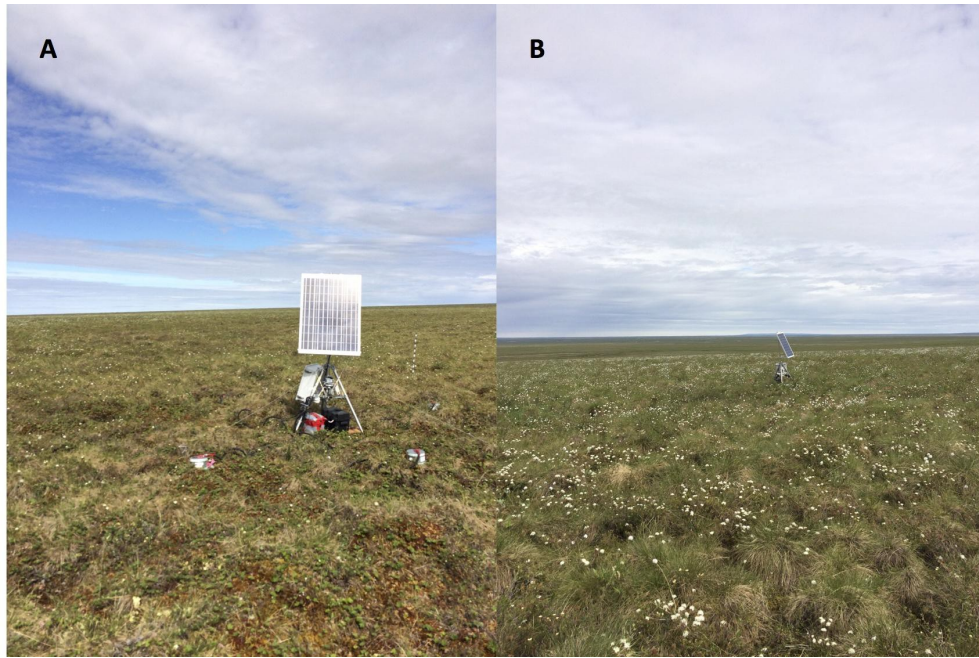


Figure 1. Anaktuvuk Unburned Site, and b) Anaktuvuk Burned Site



Figure 2. Bonanza Creek Site

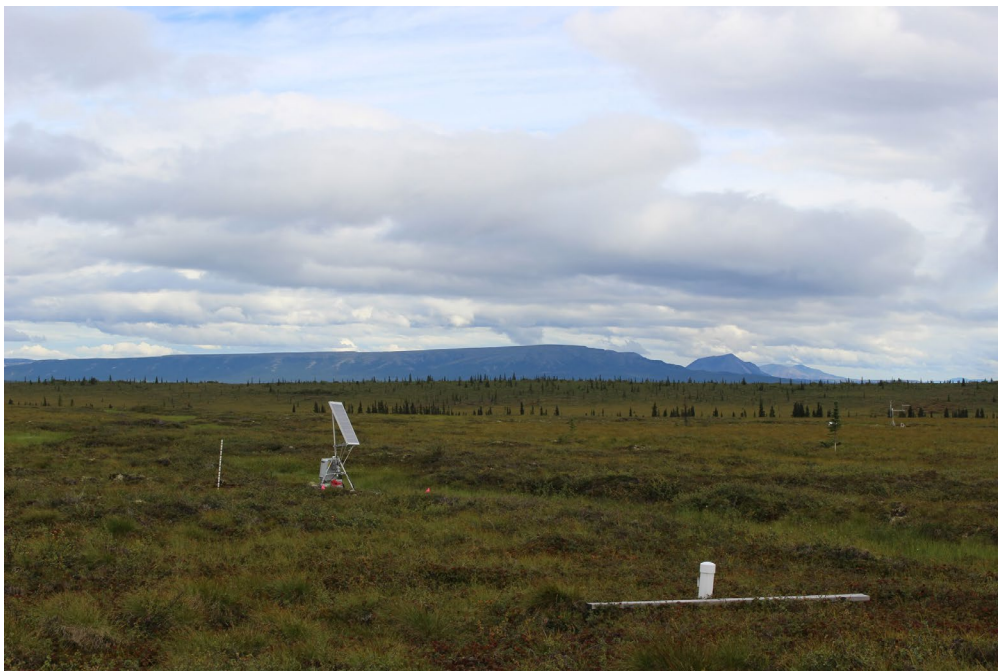


Figure 3. Eight Mile Lake Site



Figure 4. Hess Creek Burned Site

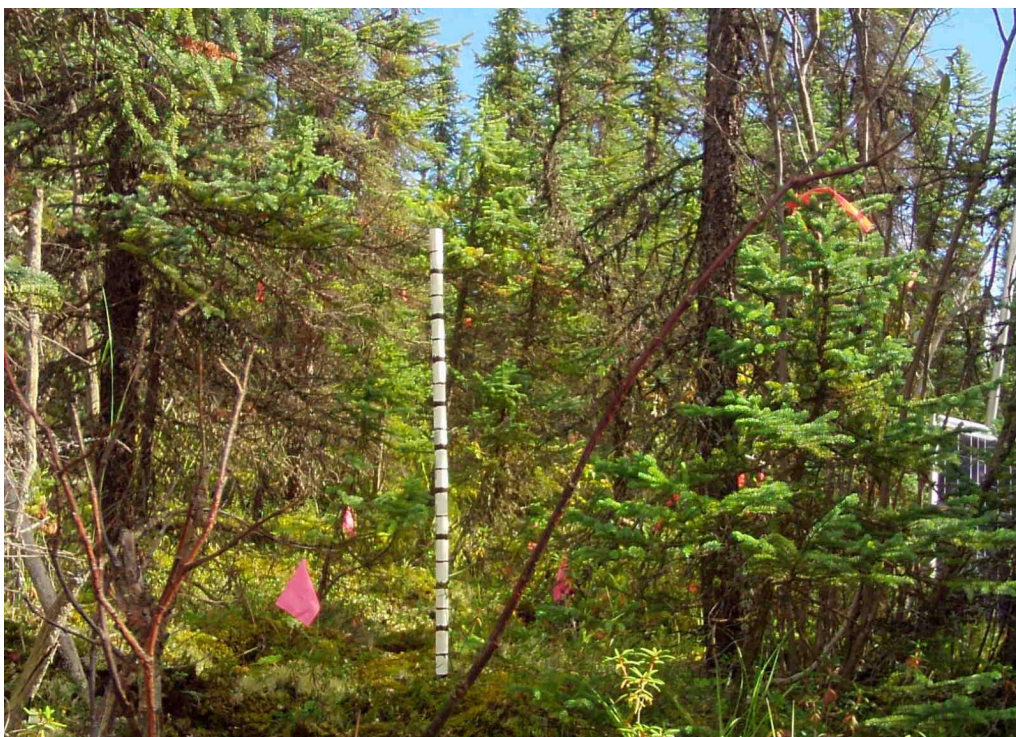


Figure 5. Hess Creek Unburned Site



Figure 6. I-MINUS High Site

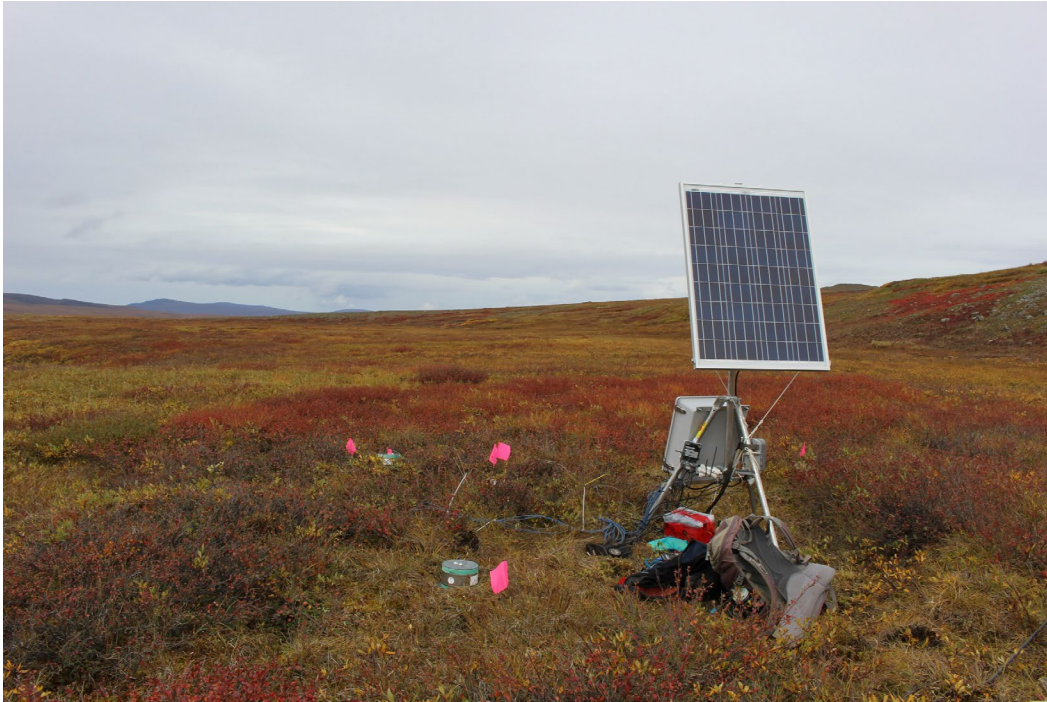


Figure 7. I-MINUS Low Site



Figure 8. Nome Creek Burned_NEW Site



Figure 9. Nome Creek Unburned_OLD Site