

Mt Evans Summit Lake Flats Species List

Family	Species	Notes
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This area occurs below Summit Lake Park and covers a very large area with several different plant communities. It is owned and managed by the Arapaho-Roosevelt National Forest and in 2013 volunteers from CoNPS (Scott Smith, Loraine Yeatts, Janet Wingate and Frank Morrey) conducted a plant inventory for Steve Popovich.

The area is 2-mile wide a U-shaped depression with several glacial moraines cutting horizontally across it. Most of the area is alpine wet meadows fed from Bear Creek and many tiny creeks feeding in from the sides of the U. Solifluction lobes are found up the sides of the U, collecting snowmelt during the summer.

One of the major features is found on the down-side of the glacial moraines, which collect a huge amount of snow during the winter and melt very slowly during the summer creating gravelly talus slopes. There are also large willow shrublands along Bear Creek.

There is a large herd of about 100 elk inhabit the flats, and herbivory is evident on the plants in the area.

Asteraceae (Compositae)

<u><i>Erigeron glacialis</i></u>	8/9/13: Collected by Loraine Yeatts and Fran Morrey on talus slope bordering stream.
<u><i>Erigeron melanocephalus</i></u>	8/9/13: visual ID by Loraine Yeatts & Frank Morrey in late snowmelt areas on gentle talus slope.
<u><i>Antennaria rosea</i></u>	Collected in 1984.
<u><i>Antennaria media</i></u>	Visual ID by Scott Smith in 2013.
<u><i>Erigeron lanatus</i></u>	Visual ID by Scott Smith in 2013. He was not sure of this ID and did not make a collection.
<u><i>Rydbergia grandiflora</i></u>	Visual ID by Scott Smith in 2013.

Boraginaceae

<u><i>Mertensia lanceolata</i> var. <i>viridis</i></u>	Visual ID by Scott Smith in 2013.
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Brassicaceae (Cruciferae)

<u><i>Draba crassifolia</i></u>	Visual ID by Scott Smith in 2013. 8/9/13: visual ID by Loraine Yeatts & Frank Morrey in late snowmelt area on gentle talus slope.
<u><i>Draba aurea</i></u>	Visual ID by Scott Smith in 2013.

Campanulaceae

<u><i>Campanula uniflora</i></u>	Visual ID by Scott Smith in 2013.
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Caryophyllaceae

<u><i>Stellaria umbellata</i></u>	8/26/13: visual ID by Loraine Yeatts & Janet Wingate on gravel flats below E facing late snowmelt slope. 8/9/13: visual ID by Loraine Yeatts & Frank Morrey in wetland tundra turf.
<u><i>Stellaria longipes</i></u>	8/9/13: visual ID by Loraine Yeatts & Frank Morrey in wetland tundra turf.
<u><i>Cerastium beeringianum</i> subsp. <i>earlei</i></u>	8/9/13: visual ID by Loraine Yeatts & Frank Morrey in wetland tundra turf.

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	<u><i>Silene acaulis subsp. subacaulescens</i></u>	Visual ID by Scott Smith in 2013.
	<u><i>Sagina caespitosa</i></u>	8/26/13: visual ID by Loraine Yeatts & Janet Wingate on gravel flats below E facing late snowmelt slope.
Crassulaceae		
	<u><i>Clementsia rhodantha</i></u>	Visual ID by Scott Smith in 2013. 8/26/13: visual ID by Loraine Yeatts & Janet Wingate on gravel flats below E facing late snowmelt slope.
	<u><i>Tolmachevia integrifolia</i></u>	Visual ID by Scott Smith in 2013.
Cyperaceae		
	<u><i>Carex micropoda</i></u>	8/9/13: collected by Loraine Yeatts in late snowmelt area on talus slope.
	<u><i>Kobresia myosuroides</i></u>	8/9/13: visual ID by Loraine Yeatts & Frank Morrey in wetland tundra turf.
	<u><i>Carex haydeniana</i></u>	8/9/13: collected by Loraine Yeatts & Frank Morrey on talus slope bordering stream.
	<u><i>Carex pelocarpa</i></u>	8/9/13: Collected by Loraine Yeatts and Fran Morrey on talus slope bordering stream. 1st Mt. Evans ID.
	<u><i>Carex capillaris</i></u>	8/9/13: collected by Loraine Yeatts & Frank Morrey on gentle talus slope.
Fabaceae (Leguminosae)		
	<u><i>Trifolium parryi</i></u>	8/9/13: visual ID by Loraine Yeatts & Frank Morrey in late snowmelt area on gentle talus slope.
Gentianaceae		
	<u><i>Gentianodes algida</i></u>	Visual ID by Scott Smith in 2013. 8/9/13: visual ID by Loraine Yeatts & Frank Morrey in wetland tundra turf.
	<u><i>Gentianella acuta</i></u>	8/9/13: collected by Loraine Yeatts and Frank Morrey from wetland tundra turf. 1st Mt. Evans ID.
Juncaceae		
	<u><i>Luzula spicata</i></u>	8/9/13: visual ID by Loraine Yeatts & Frank Morrey on talus slope bordering stream.
Poaceae		
	<u><i>Trisetum spicatum subsp. congdonii</i></u>	8/9/13: visual ID by Loraine Yeatts & Frank Morrey on talus slope bordering stream.
	<u><i>Phippsia algida</i></u>	8/26/13: collected by Loraine Yeatts on gravel flats below E facing late snowmelt slope. Visual ID by Scott Smith in 2013. 8/26/13: visual ID by Loraine Yeatts & Janet Wingate on gravel flats below E facing late snowmelt slope.
	<u><i>Poa arctica ssp. grayana</i></u>	8/9/13: collected by Loraine Yeatts & Frank Morrey on talus slope bordering stream.

Polemoniaceae

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	<u><i>Polemonium viscosum</i></u>	Visual ID by Scott Smith in 2013.
Polygonaceae		
	<u><i>Bistorta vivipara</i></u>	8/9/13: visual ID by Loraine Yeatts & Frank Morrey in wetland tundra turf.
	<u><i>Oxyria digyna</i></u>	Visual ID by Scott Smith in 2013.
	<u><i>Bistorta vivipara</i></u>	Visual ID by Scott Smith in 2013.
	<u><i>Bistorta bistortoids</i></u>	Visual ID by Scott Smith in 2013.
	<u><i>Koenigia islandica</i></u>	Visual ID by Scott Smith in 2013. 8/26/13: visual ID by Loraine Yeatts & Janet Wingate on gravel flats below E facing late snowmelt slope.
Portulacaceae		
	<u><i>Claytonia megarhiza</i></u>	Visual ID by Scott Smith in 2013.
	<u><i>Oreobroma pygmaeum</i></u>	Visual ID by Scott Smith in 2013.
Ranunculaceae		
	<u><i>Psychrophila leptosepala</i></u>	Visual ID by Scott Smith in 2013. 8/9/13: visual ID by Loraine Yeatts & Frank Morrey in wetland tundra turf.
	<u><i>Thalictrum alpinum</i></u>	Visual ID by Scott Smith in 2013. 8/9/13: visual ID by Loraine Yeatts & Frank Morrey in wetland tundra turf.
Rosaceae		
	<u><i>Acomastylis rossii subsp. turbinata</i></u>	Visual ID by Scott Smith in 2013. 8/9/13: visual ID by Loraine Yeatts & Frank Morrey on talus slope bordering stream.
	<u><i>Sibbaldia procumbens</i></u>	Visual ID by Scott Smith in 2013.
Salicaceae		
	<u><i>Salix petrophila</i></u>	Visual ID by Scott Smith in 2013.
	<u><i>Salix planifolia</i></u>	8/9/13: visual ID by Loraine Yeatts & Frank Morrey in wetland tundra turf.
Saxifragaceae		
	<u><i>Saxifraga rivularis</i></u>	Visual ID by Scott Smith in 2013.
	<u><i>Hirculus serpyllifolius ssp. chrysanthus</i></u>	Visual ID by Scott Smith in 2013.
	<u><i>Micranthes rhomboidea</i></u>	Visual ID by Scott Smith in 2013.
Scrophulariaceae		
	<u><i>Besseyia alpina</i></u>	Visual ID by Scott Smith in 2013.
	<u><i>Chionophila jamesii</i></u>	Visual ID by Scott Smith in 2013.
	<u><i>Veronica nutans</i></u>	Visual ID by Scott Smith in 2013.
	<u><i>Pedicularis groenlandica</i></u>	Visual ID by Scott Smith in 2013. 8/9/13: visual ID by Loraine Yeatts & Frank Morrey in wetland tundra turf.

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	<u><i>Pedicularis scopulorum</i></u>	Visual ID by Scott Smith in 2013.
	<u><i>Castilleja occidentalis</i></u>	Visual ID by Scott Smith in 2013. 8/9/13: visual ID by Loraine Yeatts & Frank Morrey in wetland tundra turf.

Nomenclature used: from Weber Wittmann "Colorado Flora, Volume 4".