

Table 3: Site Assessment Report Template Teacher Guide

Category	Details
Date and Time	July 23, 2021, 11:00 AM
Location	Preston Park, Glacier National Park, Montana, USA
Geographic Coordinates	Latitude: 48.6967 N, Longitude: -113.7184 W
Topographic Features	The view shows the North-facing slope of Mount Reynolds, adjacent to Siyeh Creek. Matahpi Peak and Going to the Sun Peak are on the left looking at Mount Reynolds. Piegan Glacier and Piegan Mountain are on the right. Siyeh Pass is at the back of the scene
Geology	Predominantly sedimentary rock, with evidence of glacial carving
Plant Communities	Subalpine forest with spruce and fir, wildflower meadows. Dryas sp. are in the foreground of the periglacial ground in front of the photographer
Water Sources	Siyeh Creek flows northwards, several small glacial lakes
Human Interaction	Hiking trails, picnic spots, minimal litter
Estimated Temperature	15°C (59°F)
Sky Conditions	Partly cloudy
Wind	Light breeze from the west
Precipitation	None
Snow Cover	Small patches of snow in shaded areas
Recent Storm Events	Thunderstorm two days prior
Natural History	Known for glacial activity during the Pleistocene and Little Ice Age
Habitat Descriptions	Diverse plant species, signs of deer (sighting), elk (sighting), big horn sheep (sighting), grizzly bears (scat) and small mammals (chipmunks, ground squirrels), varied light exposure depending on topography
Abiotic Features	Moderate soil moisture, well-drained slopes, mixed exposure to elements
Disturbance Types	Occasional rockfalls and small avalanches, primarily during spring thaw

Historical Context	Area historically used by Native American tribes, some grazing prior to park formation, early 20th-century conservation efforts
Current Site Management	Managed by the National Park Service, focus on conservation and minimizing human impact
Field Collector Questions	Ex. How does recent climate change affect plant reproduction and dispersal near the alpine treeline in this area?
Consultations	Plan to consult with a glaciologist and a botanist for detailed insights into glacial dynamics and plant community changes in alpine regions.