

Glacier View Wilderness Air Quality Report

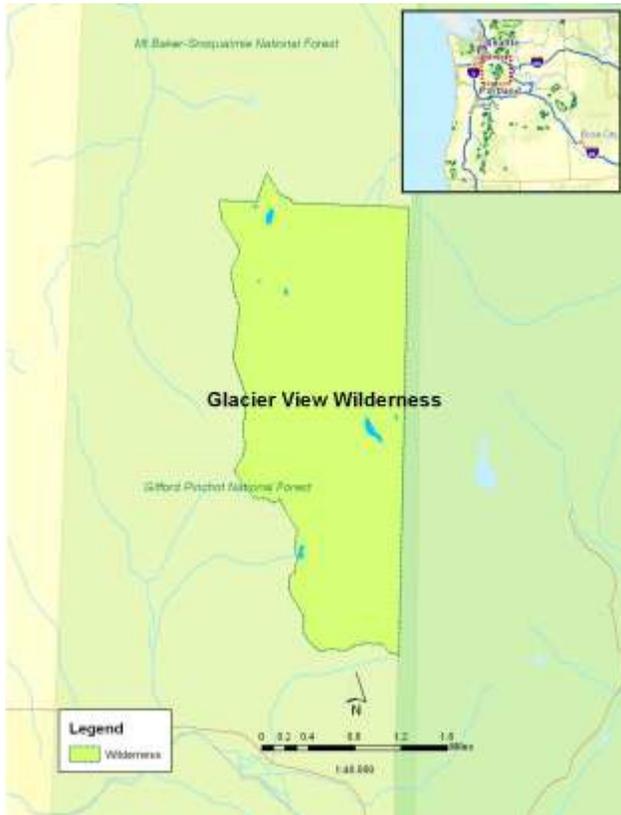
National Forest: Snoqualmie National Forest

State: WA

Counties: Pierce

General Location: Southern Washington Cascade Range

Acres: 3,073



Glacier View Wilderness Air Quality Report

Wilderness ID: 231

Wilderness Name: Glacier View Wilderness

Wilderness Categories	Information Specific to this Wilderness
Year Established	1984
Establishment Notes	Washington State Wilderness Act of 1984
Designation	Clean Air Act Class 2
Administrative	Cowlitz Valley Ranger District, Gifford Pinchot National Forest
Unique Landscape Features	For an extravagant look at the glacier-covered west side of Mount Rainier, hike to the top of 5,450-foot Glacier View in the northwest corner of this Wilderness, which, coincidentally, shares a portion of the western boundary of Mount Rainier National Park. The annual snowfall can exceed 25 feet, and the snowmelt here tumbles down eventually into the South Puyallup River, filling nine small alpine lakes in a rich meadowed basin hidden by long ridges on both sides. Some of these lakes dry up in summer. You'll find cold water in Goat Lake, Lake West, and Lake Christine year-round. The forest cover is heavy with fir, pine, hemlock, and cedar, and thick with an understory of ferns, mosses, beadlily, trillium, and other sweet wildflowers. Elk and mountain goats graze the basin in the summer.
Lakebed Geology Sensitivity	Not Reported
Lakebed Geology Composition	andesite dacite diorite phyllite (73%), amphibolite hornfels paragneiss undifferentiated metamorphic roc (26%), GC 1+2 (73%), GC 1+2+3 (73%), GC 4+5+6 (26%)
Visitor Use	Not Reported
Mean Annual Precipitation	Not Reported
Elevation Range	1006 - 1672 (meters)
Mean Max Aug Temp	Not Reported
Mean Min Dec Temp	Not Reported
Lake Acres	Not Reported
Pond Acres	17
Lake Count	Not Reported
Pond Count	7
TES Flora	Not Reported
TES Wildlife	Not Reported
TES Fish	Not Reported
Ozone Sensitive Plants	Not Reported
Air Quality Sensitive Lichens	Not Reported
Cultural Resources	Not Reported
Status/Trends: Acid Deposition:	Not Reported
Status/Trends: Nutrient Enrichment:	Not Reported
Status/Trends: Ozone Impacts:	Not Reported

AQRV's

Fauna

Fauna Priority: Low

Fauna Receptor: Fish

Fauna Indicator: Concentration of methyl mercury

Fauna Trends: Not Reported

Fauna Actions:

Sample fish in lakes for mercury.

Flora

Flora Priority: High

Flora Receptor: Lichens

Flora Indicator: Changes in community composition

Flora Trends: Not Reported

Flora Priority 2: High

Flora Receptor 2: Lichens

Flora Indicator 2: Concentrations of N, S, P, Cd, Cr, Pb, Hg, Ni, Ti, V and Zn

Flora Trends 2: Not Reported

Flora Priority 3: Low

Flora Receptor 3: Ozone

Flora Indicator 3: Visible injury on ozone-sensitive plants

Flora Trends 3: Not Reported

Flora Actions:

Repeat visits to lichen plots once every ten years to monitor trends. Analyze lichen for both community composition and chemicals.

Visibility

Visibility Priority: High

Visibility Receptor: Scenic Views

Visibility Indicator: Regional haze

Visibility Trends: Increase

Visibility Actions

Visibility in this wilderness is represented by the IMPROVE monitor at Mount Rainier National Park (MORA1). See Washington Dept of Ecology Regional Haze Plan and IMPROVE monitoring reports for more details.

Water

Water Priority: Medium

Water Receptor: Water Chemistry

Water Indicator: ANC

Water Trends: Not Reported

Water Priority 2: Medium

Water Receptor 2: Water Chemistry

Water Indicator 2: DIN: TP

Water Trends 2: Not Reported

Water Priority 3: Low

Water Receptor 3: Diatoms

Water Indicator 3: Community Composition

Water Trends 3: Not Reported

Water Actions:

Collect water samples in the lakes and analyze for anions, cations, and nutrients. Establish baseline and monitor trends.

Challenge Points

Fauna Challenge Points: Not Reported

Flora Challenge Points: 6

Total Plots: 2

Desired Plots: 0

Additional Plots Needed: -2

Data Type: Baseline

Round 1 Visits: 0

Round 2 Visits: 2

Baseline %: 1302

Trends %: 0

Visibility Challenge Points: Not Reported

Water Challenge Points: Not Reported