

Bull of the Woods Wilderness Air Quality Report

Wilderness ID: 208

Wilderness Name: Bull of the Woods Wilderness

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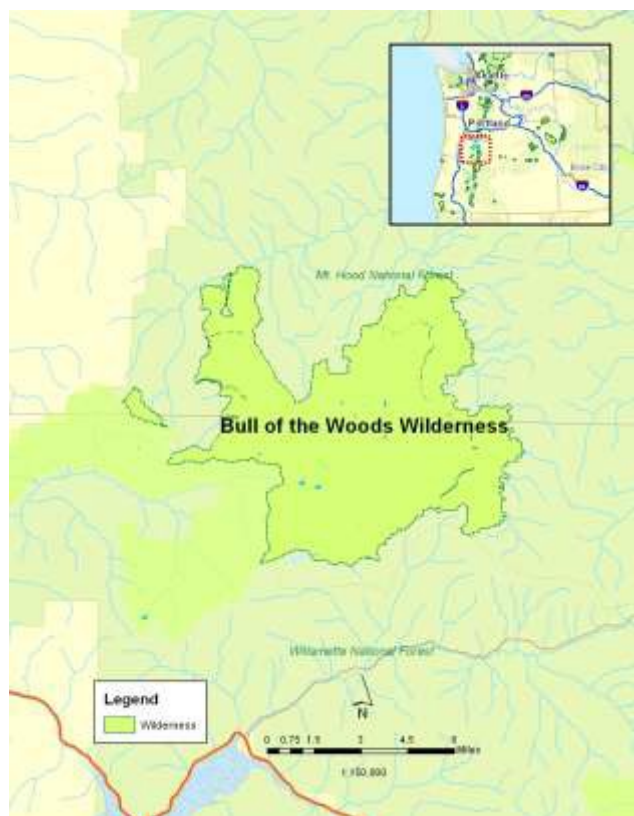
National Forest: Mount Hood National Forest

State: OR

Counties: Clackamas, Marion

General Location: Northern Oregon Cascade Range

Acres: 36,731



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Wilderness Categories	Information Specific to this Wilderness
Year Established	1984
Establishment Notes	Omnibus Public Land Management Act of 2009, Oregon Wilderness Act of 1984
Designation	Clean Air Act Class 2
Administrative	Mount Hood National Forest
Unique Landscape Features	Not Reported
Lakebed Geology Sensitivity	High
Lakebed Geology Composition	andesite dacite diorite phyllite (82%), amphibolite hornfels paragneiss undifferentiated metamorphic roc (18%), GC 1+2 (82%), GC 1+2+3 (82%), GC 4+5+6 (18%)
Visitor Use	Not Reported
Mean Annual Precipitation	Not Reported
Elevation Range	575 - 1734 (meters)
Mean Max Aug Temp	Not Reported
Mean Min Dec Temp	Not Reported
Lake Acres	34
Pond Acres	54
Lake Count	4
Pond Count	57
TES Flora	Allotropa virgata, Calicium viride, Chaenotheca furfuracea, Douinia ovata, Eucephalus gormanii, Hydrothyria venosa, Hypogymnia oceanica, Leptogium, Leucogaster microsporus, Lobaria oregana, Lobaria pulmonaria, Phaeocollybia scatesiae, Pseudocyphellaria anomala, Pseudocyphellaria rainierensis, Ptilidium californicum, Rhizopogon parksii, Ulota megalospora
TES Wildlife	Bald Eagle, Northern Spotted Owl
TES Fish	Not Reported
Ozone Sensitive Plants	Snowberry, Thinleaf huckleberry
Air Quality Sensitive Lichens	Alectoria sarmentosa, Bryoria capillaris, Bryoria fuscescens, Bryoria glabra, Bryoria trichodes, Hypogymnia occidentalis, Nodobryoria oregana, Parmeliopsis ambigua, Parmeliopsis hyperopta, Platismatia norvegica
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: Medium

Fauna Receptor: Fish

Fauna Indicator: Concentration of methyl mercury

Thursday, May 17, 2012

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Fauna Trends: Not Reported

Fauna Actions:

Sample fish in lakes for mercury concentrations.

Flora

Flora Priority: High

Flora Receptor: Lichens

Flora Indicator: Changes in community composition

Flora Trends: Not Reported

Flora Priority 2: Not Reported

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: Medium

Flora Receptor 3: Ozone

Flora Indicator 3: Visible injury on ozone-sensitive plants

Flora Trends 3: Not Reported

Flora Actions:

Waiting for evaluation of trends data for both community composition and elemental analysis. Repeat visits to lichen plots on a ten year interval to monitor trends. Consider surveying plants for ozone injury while at lichen plots.

Visibility

Visibility Priority: Low

Visibility Receptor: Scenic Views

Visibility Indicator: Regional haze

Visibility Trends: Not Reported

Visibility Actions

Site best represented by the IMPROVE monitor at Mt. Hood (MOHO1).

Water

Water Priority: Medium

Water Receptor: Water Chemistry

Water Indicator: ANC

Water Trends: Not Reported

Water Priority 2: Not Reported

Water Receptor 2: Water Chemistry

Water Indicator 2: DIN: TP

Water Trends 2: Not Reported

Water Priority 3: Not Reported

Water Receptor 3: Diatoms

Water Indicator 3: Community Composition

Water Trends 3: Not Reported

Water Actions:

Establish baseline for cations, anions, and nutrient ratios in lakes.

Challenge Points

Fauna Challenge Points: Not Reported

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Flora Challenge Points: 8

Total Plots: 5

Desired Plots: 2

Additional Plots Needed: -3

Data Type: Trends

Round 1 Visits: 4

Round 2 Visits: 3

Baseline %: 272

Trends %: 109

Visibility Challenge Points: Not Reported

Water Challenge Points: Not Reported