

**Drift Creek Wilderness Air Quality Report**

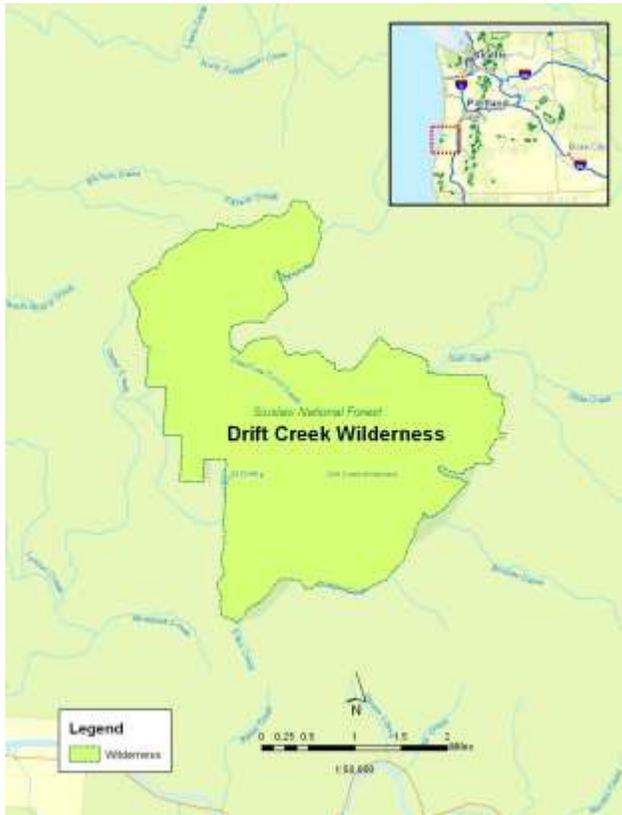
National Forest: Siuslaw National Forest

State: OR

Counties: Lincoln

General Location: Central Oregon Coast Range

Acres: 5,897



# Drift Creek Wilderness Air Quality Report

Wilderness ID: 209

Wilderness Name: Drift Creek Wilderness

Wilderness Categories	Information Specific to this Wilderness
Year Established	1984
Establishment Notes	Oregon Wilderness Act of 1984
Designation	Clean Air Act Class 2
Administrative	Siuslaw National Forest
Unique Landscape Features	<p>The Drift Creek Wilderness (5,798 acres) is one of three small wilderness areas established on the Siuslaw National Forest by Act of Congress in 1984. Drift Creek Wilderness is located in the Oregon Coast Range, north of Waldport and south of Newport, Oregon. There are about 8.5 miles of trails in the Drift Creek Wilderness. Stock use prohibited due to fragile soil conditions.</p> <p>Towering Sitka spruce and western hemlock that sometimes reach seven feet in diameter shade the Coast Range's largest rainforest stand of old growth. The steep canyons of rock-splattered Drift Creek may give you the impression of mountainous country, but the forested hills rise only slightly above 2,000 feet. Soaked by as much as 120 inches of annual rainfall, moss and ferns as thick as six inches cushion the ground along numerous streams shadowed by overhanging bigleaf maples. Roosevelt elk and black bears share this lush territory with two endangered Oregon species: northern spotted owls and bald eagles. In fall, Drift Creek comes alive with spawning chinook and coho salmon as well as steelhead and cutthroat trout.</p>
Lakebed Geology Sensitivity	Low
Lakebed Geology Composition	amphibolite hornfels paragneiss undifferentiated metamorphic roc (100%), GC 4+5+6 (100%)
Visitor Use	Not Reported
Mean Annual Precipitation	Not Reported
Elevation Range	21 - 516 (meters)
Mean Max Aug Temp	Not Reported
Mean Min Dec Temp	Not Reported
Lake Acres	Not Reported
Pond Acres	Not Reported
Lake Count	Not Reported
Pond Count	Not Reported
TES Flora	Chaenotheca furfuracea, Platismatia lacunosa, Ramaria araiospora, Usnea longissima
TES Wildlife	Not Reported
TES Fish	Not Reported
Ozone Sensitive Plants	Red alder, Red elderberry
Air Quality Sensitive Lichens	Cladonia coniocraea, Fuscopannaria leucostictoides, Hypogymnia apinnata, Peltigera neopolydactyla, Platismatia lacunosa, Usnea cornuta
Cultural Resources	Not Reported
Status/Trends: Acid Deposition:	Not Reported
Status/Trends: Nutrient Enrichment:	Not Reported

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Status/Trends: Ozone Impacts:	Not Reported

## AQRV's

### Fauna

Fauna Priority: Medium  
Fauna Receptor: Fish  
Fauna Indicator: Concentration of methyl mercury  
Fauna Trends: Not Reported

#### *Fauna Actions:*

Consider sampling fish 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:*

Waiting for trends evaluation. Continue repeat visit to lichen plot, once every ten years to monitor trends.

### Visibility

Visibility Priority: Low  
Visibility Receptor: Scenic Views  
Visibility Indicator: Regional haze  
Visibility Trends: Not Reported

#### *Visibility Actions*

Refer to the IMPROVE monitor in the Kalmiopsis wilderness (KALM1) as representative of **Drift Creek Wilderness**.

### 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:***

Consider collecting water quality samples from drift creek, particularly for nutrients, cations, and anions.

**Challenge Points**

***Fauna Challenge Points: Not Reported***

***Flora Challenge Points: 8***

Total Plots: 1

Desired Plots: 1

Additional Plots Needed: 0

Data Type: Trends

Round 1 Visits: 1

Round 2 Visits: 1

Baseline %: 100

Trends %: 100

***Visibility Challenge Points: Not Reported***

***Water Challenge Points: Not Reported***