

Voyageurs NP

Site information:

AQS Site ID: **27-137-0034**
 NADP Site ID: **MN32**
 IMPROVE Site ID: **VOYA2**
 Address: **Sullivan Bay**
 City: **International Falls**
 County: **Louis**

Location Setting: **National Park**
 Latitude: **48.4128**
 Longitude: **-92.8292**
 Elevation: **429 m**
 Year Established: **2000**

Monitoring parameters:

PM _{2.5} FRM	PM _{2.5} Continuous	PM _{2.5} Speciation **	PM ₁₀	TSP/Metals	VOCs	Carbonyls	Carbon Monoxide	Ozone	SO ₂	NO _x	Meteorological Data	Other*
		1/6						E				E

E = Existing, A = Proposed to Add, T = Proposed to Terminate
 Sampling Frequency: 1/1 = Everyday, 1/3 = 1-in-3 day, 1/6 = 1-in-6 day

*Acid Deposition **IMPROVE *not part of the MPCA network



Site description:

This monitoring site is located on a rocky outcrop near the Ash River Interpretive Center, on the southeast side of Voyageurs National Park. Land use in this area is primarily forest managed for recreation, timber, and wilderness. Pulp and paper mills in International Falls and Fort Frances, Ontario are located approximately 20 miles northwest of the site. The National Park Service operates this site.

Monitoring objectives:

- Characterize precipitation chemistry to track long-term spatial and temporal trends, support research, and assess the effectiveness of State and Federal SO₂ emissions reduction programs.
- Demonstrate compliance with the Minnesota Wet Sulfate Deposition Standard (Minn. R. 7005.4010 to 7005.4050).
- Characterize fine particle chemistry to quantify existing conditions, track trends, and develop plans to protect visibility in Class 1 wilderness areas.

Planned changes:

None