Marcell

Site information:

AQS Site ID: (none)
NADP Site ID: MN16

Address: Marcell Experimental Forest

City: Balsam Lake
County: Itasca

Location Setting: National Forest

Latitude: 47.5311 Longitude: -93.4686 Elevation: 431 m Year Established: 1978

Monitoring parameters:

	PM _{2.5} FRM
	PM _{2.5} Continuous
	PM _{2.5} Speciation
	PM_{10}
	TSP/Metals
	NOCs
	Carbonyls
	Carbon Monoxide
	Ozone
	SO ₂
	NOx
	Meteorological Data
Е	Other*

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







Site description:

This NADP acid rain and mercury-monitoring site is located in Itasca County, approximately 20 miles north of Grand Rapids, in a two-acre clearing at the Marcell Experimental Forest. This area is within the Chippewa National Forest. U.S. Forest Service personnel operate and maintain this site with support from the MPCA. Land use within one mile of the site is dominated by managed forests and seasonal residences on the area lakes. Significant air emission sources are located more than 20 miles from the site, and consist of pulp and paper mills, lumber mills, and a coal-fired power plant.

Monitoring objectives:

- Characterize precipitation chemistry to track long-term spatial and temporal trends, support research, and assess the effectiveness of State and Federal SO₂ and mercury emissions reduction programs.
- Demonstrate compliance with the Minnesota Wet Sulfate Deposition Standard (Minn. R. 7005.4010 to 7005.4050).

Planned changes:

None

^{*}Acid and Hg Deposition