

Appendix 6A

Description of Isle Royale National Park and Seney Wilderness Area IMPROVE Sites

Description of Isle Royale National Park and Seney Wilderness Area

Isle Royale National Park

A description of the Isle Royale IMPROVE site is given in the Table 1 below. The monitor for Isle Royale is located off-site of the island on the Keweenaw Peninsula. The monitoring site was formerly located on the island itself, however, due to accessibility problems during the winter, the monitoring site was moved to the main land.

Table 1. Information from VIEWS website for Isle Royale

SiteCode:	ISLE1
SiteName:	Isle Royale NP
State:	MI
StateFIPS:	26
CountyFIPS:	083
Latitude:	47.4596
Longitude:	-88.1491
ElevationMSL:	182
StartDate:	11/16/1999
EPARegion:	5
ImproveRegionID:	3
AQCRID:	0
CMSAID:	0
AirBasinID:	0
UrbanAreaID:	0
AgencyID:	1648
LocDesc:	Near the boat ramp on point opposite town of Eagle Harbor
ProgramCode:	IMPROVE
NativeSiteCode:	ISLE1
Sponsor:	NPS

Since the monitor is located at a site different than the class I area, the two sites could have different visibility impairment. However, based on the siting criteria in the Visibility Monitoring Guidance¹ (see section 3.2), the monitor location fits the criteria.

LADCO performed some modeling which estimated the deciviews on Isle Royale rather than the monitor location. These results can be seen in Table 2. Visibility impairment is slightly less at the class I area versus the monitor location, thus reaching the RPGs at the

¹ USEPA, 1999, Visibility Monitoring Guidance, June 1999,
<http://www.epa.gov/ttnamti1/files/ambient/visible/r-99-003.pdf>

monitor location should ensure that the Class I site itself will have similar or even greater visibility improvements.

Table 2. 2018 on-the-books modeling results (in μv) for Isle Royale for 20% best and worst days comparing the results for grid cell where the IMPROVE monitor is located (ISLE1) versus where the class I area is located (ISLE9).

	Worst 20%	Best 20%
Monitor (ISLE1)	20.09	6.6
Class I area (ISLE9)	19.84	6.52
Difference	0.25	0.08

Seney Wilderness Area

A description of the Seney IMPROVE site is given in the Table 3 below. The monitor for Seney is located on-site of the Seney Wilderness area.

Table 3. Information from VIEWS website

SiteCode: **SENE1**
 SiteName: **Seney**
 State: **MI**
 StateFIPS: **26**
 CountyFIPS: **153**
 Latitude: **46.2889**
 Longitude: **-85.9503**
 ElevationMSL: **214.5**
 StartDate: **11/16/1999**
 EPARegion: **5**
 ImproveRegionID: **3**
 AQCRID: **0**
 CMSAID: **0**
 AirBasinID: **0**
 UrbanAreaID: **0**
 AgencyID: **1646**
 LocDesc: **Near Refuge Headquarters**
 ProgramCode: **IMPROVE**
 NativeSiteCode: **SENE1**
 Sponsor: **FWS**