



401 Richmond St. W., Suite 380 Toronto ON M5V 3A8 • Box 533 Bolton ON L7E 5T4 • Phone: 647 258-3280 • Fax: 416 979-3155
 www.monitoringthemoraine.ca • info@monitoringthemoraine.ca

Monitoring the Moraine Gap Analysis Survey – Example completed by Citizens' Environment Watch

Contact	Monitoring program name	Adopt-a-Site Ontario – Air Quality Monitoring with Epiphytic Lichens
	Agency/organization	Citizens' Environment Watch
	Name and title of Agency/organization contact	Sonia Dong Program Director
	Email	sonia@citizensenvironmentwatch.org
	Phone	647-258-3280
	Fax	416-979-3155
	Mailing address	401 Richmond Street West Suite 380 Toronto ON M5A 3A8
Program	What is the purpose of the program?	Engage community members in the collection of scientifically valid data for use in decision-making process (ie inform stewardship activities, raise red flags to government, personal actions to improve environment)
	What is the geographic scope of the program?	Current Focus: Greater Toronto Area and Oak Ridges Moraine
	What is the current status of the program - active or inactive?	Active
	When was the last monitoring activity (month/year)?	October 2005
	What is the total number of field sites in the program?	35



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Field Sites	How many sites are monitored each year?	Approximately 10
	How many new sites are added each year?	1 - 5
	Where are the field sites located?	Majority are located in Toronto; a few sites in Mississauga and Peterborough/Lindsay area
	Can you send an electronic or hard copy of the field site information?	Yes
Protocol	Can you describe the sampling protocol?	Two protocols have been used: <ol style="list-style-type: none"> 1. Simple survey of lichen diversity on the trunk of a tree (native maples used). Each site must include 10 open-grown maple trees. 2. Ladder method based on European Protocol (Asta et al.)
	Can you send an electronic or a hard copy of the protocol?	Yes
	What variable(s) and indicator(s) are being monitored?	Air Quality and Epiphytic lichens
	When is field work conducted?	March to November
Participants	Who is conducting the field work (permanent/ summer/ contract staff, volunteers)?	Volunteers (school-aged to seniors), staff, contract/summer staff
	How many participants are a part of the overall program?	Past participants: 250 Current: 50
	How many sites are monitored by each participant or groups of participants?	Two sites on average per year.
Data	How far does the monitoring data date back to?	2001
	How is the monitoring data interpreted?	The data has been interpreted using the Index of Atmospheric Purity and with the Lichen Diversity Index



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	How is the monitoring data used?	Data is used to inform local decision-making processes: ie inform stewardship activities, raise red flags to government, personal actions to improve environment, classroom learning (curriculum-linked)
	What is the reporting mechanism for the data?	A public report summarizing data from the past five years will be issued in 2006.
	Who is using the data?	Groups and individuals use data for their own purposes. CEW and some volunteers share data with conservation authorities, which helps to fill gaps in monitoring data in their watersheds.
	What is the availability of the data (public, available upon request, confidential)?	CEW is working collaboratively with other groups/agencies to make the data available publicly through an online system. All of our data is also available upon request (in the public domain).
	How is the data stored and what programs are used?	Data is currently stored in hard copy and in excel worksheets. A database was created using Microsoft Access, which is currently being updated.
	Can you send a meta-analysis or a report of the data?	Yes
Additional Contacts:	Can you provide the contact information for other people who monitor on the moraine in the space below?	
Notes:	Please record any additional information or comments in the space below:	