Advanced Citizen Lake Monitoring Program (CLMP+) Work Plan

gp5-22 • January 2009

If you and your lake are selected to participate in the CLMP+ program, you agree to complete the following activities **for one (1) or two (2) seasons** as deemed necessary by the MPCA:

Volunteer Responsibilities

1. **Citizen Lake Monitoring Program** (participation is required).
    - Weekly Secchi disk measures at established site, June to September
2. **Water chemistry collection for lab analysis** including nutrients and chlorophyll-a plus a depth profile of oxygen (DO) and temperature.
    - On-site training session and sampling trip in May with MPCA staff. Volunteer to provide boat.
    - Sampling trip in September with MPCA staff. Volunteer to provide boat. Equipment will be returned to MPCA staff after this trip.
    - Depth profile of DO and temperature at established site taken weekly, June to September (MPCA to provide equipment).
    - Sample collection for laboratory chemistry analysis at established site 1x/month, June to September (MPCA to provide bottles and sampling equipment).
    - Completion of field data sheets for each sampling trip.
    - Completion of lab sheet for each chemistry sampling trip.
    - Preservation of chemistry samples and preparation of samples for shipment to lab. MPCA to provide all preservation and shipping materials (including postage paid shipping labels and coolers). MPCA to cover lab analysis costs.

MPCA Responsibilities (Upon completion of volunteer monitoring activities)

3. **Data Entry**
    - All Secchi, DO, temperature and chemistry data will be entered into STORET (statewide water quality database). Volunteers will be notified when data is ready to view on the MPCA Web site.
4. **Reporting** A summary report will be written upon completion of data collection (after one or two seasons). This report will provide basic information regarding the lake and its watershed, as well as a summary of the data collected. The following items will be included in the report, which MPCA will post to its Web site and send a copy to each volunteer:
    - Map of lake and watershed including watershed land use.
    - A summary/analysis of water chemistry and physical data.
    - Assessment of trophic status and trends and comparison with other lakes in the same ecoregion.
5. **Presentation** If desired, an MPCA staff member will make a presentation to local lake group to discuss monitoring results.

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