



SURFACE WATER QUALITY STEWARDSHIP TOOLBOX

Surface Water Quality Steward Training List

This checklist outlines general areas in which monitoring groups need to be trained to safely conduct surface water quality monitoring to standard provincial procedures. Subject specific training information can be found in applicable Surface Water Quality Stewardship Toolbox information sheets (titles shown in boldface). Complete training should consist of in-person training by water quality experts supplemented by the applicable information sheets for reference.

- Field Safety Procedures** (gear, conduct, orientation, logging road procedures) are important for safely monitoring near streams
- Example (**YSI and LaMotte Turbidity Meter**) **Calibration Procedures** demonstrate the importance of calibrating meters and following calibration procedures exactly; these are examples only, always use calibration instructions specific to your meter
 - Perform advance calibration of dissolved oxygen meter (e.g., YSI)
 - Perform advance calibration of turbidity meter
 - Record calibration details in calibration log
- Stream Field Meter Monitoring Procedures** and **Stream Grab Sampling QA/QC Procedures** include:
 - Preparation for monitoring
 - Field meter preparation
 - Grab sample preparation
 - Field procedures
 - Basic field equipment functions plus field meter monitoring procedures
 - Grab sampling procedures, filling in requisition forms, submitting grab samples to lab
 - Field Quality Assurance/Quality Control (QA/QC)
 - Proper equipment care, maintenance, and storage

- Prepare for next sample date
- Field Observation Procedures** and data recording procedures (e.g., physical characteristics, weather conditions, changes since last visit, etc.) are important to collect all data needed to interpret results. These focus on conditions that affect water quality or sampling
- What do my results mean?** is an overview of basic water quality parameters
- Stewardship Data QA/QC Guidelines** (data review, QA/QC and storage/filing) are just as critical to good and accessible data as the data collection methodology
- Use the **Field Audit Form** to assess how well methodology is being followed