

Pond/Lake Water Sample Submission Form

Agricultural Analytical Services Laboratory

Your name and contact information:

Name: _____

Company: _____

Address: _____

City: _____

State: _____ ZIP: _____

Telephone: _____

Fax: _____

Email: _____

Additional individual, if any, to receive copy of results:

Name: _____

Company: _____

Address: _____

City: _____

State: _____ ZIP: _____

Telephone: _____

Fax: _____

Email: _____

Hard-copy report required: If email addresses are listed, the lab will automatically email the lab report. Check this box if you require a hard-copy and include \$2 for postage and handling

Sample Information

Sample identification: _____ Date sampled: _____ Time sampled: _____ AM
(Date and time sampled **must** be completed) PM

County where pond/lake is located: _____

Approximate surface area of pond/lake: _____ acres Maximum depth of the pond/lake: _____ feet

Pond/lake is (check one): Natural Human-made If human-made, approximate year pond/lake was built _____

Source of pond/lake water (check all that apply): Groundwater spring Groundwater well Surface stream
 Surface runoff Other: _____

Is there normally (at least once every other year) water flowing out of your pond/lake in late summer? Y or N

Which of the following is your pond/lake used for (check all that apply):

- Swimming Aesthetic beauty Wildlife habitat Livestock
 Fishing Irrigation Fire protection
 Other: _____

Why are you submitting a sample of your pond/lake water for testing? (check all that apply):

- Excessive plant/algae growth Poor fish growth or fish kills Obvious water quality problem (cloudy, odor, etc.)
 Curiosity/routine testing Safety for swimming Safety for animal consumption
 Other: _____

Analysis Request

ID	Package	Description	Cost
<input type="checkbox"/> WP01	Basic Pond/Lake Water Package	Includes tests for pH, total dissolved solids, nitrate-nitrogen, alkalinity, aluminum, iron, manganese, phosphorus, sulfate, and hardness	\$50.00
<input type="checkbox"/> WP02	Basic Pond/Lake Water Package Plus Bacteria	Includes all tests in basic pond/lake water package plus <i>E. coli</i>	\$75.00

Sample Receipt (lab use only)

of containers: _____ Container(s) in good condition? _____ Sample cooled or on ice? _____ Ice melted: _____ Temp °C: _____ Data entry
Y or N _____

Sample Payment

Check enclosed. (Make check payable to **Penn State University**) Charge my credit card.

Cardholder's name: (please print) _____ Card number: _____

Cardholder's signature: _____ Expiration date: _____

HOW TO COLLECT A POND/LAKE WATER SAMPLE

Important: You must fill the larger bottle with the yellow label for either pond/lake water test package (WP01 or WP02). If you have chosen the WP02 (basic plus bacteria) package, you will also need to collect water in the bottle with the green label (bacteria bottle).

BOTTLE FOR ALL TESTS EXCEPT BACTERIA (large bottle, yellow label):

The largest sample bottle with the yellow label is used for all chemical analyses except bacteria. If you have selected EITHER of the pond/lake water test packages, you will need to collect water in this sample container.

The sample should be collected at a location that is representative of the water in the pond or lake. This is most often found at a deeper location away from the sources of water feeding into the pond or lake (i.e., away from the stream, spring or other source of water). Two good locations to collect the sample would be from a dock or swimming platform or at the pipe or stream leading out of the pond/lake. Rinse the bottle three times with pond/lake water. After rinsing, submerge the bottle below the water level and allow it to fill completely to the top. Screw the lid on tightly to prevent leakage. Refrigerate the sample until you are ready to send it to the laboratory.

BACTERIA SAMPLE BOTTLE (Green Label)

If you have selected the WP02 package that includes testing for E. coli bacteria, you should collect water in the small bottle with the green label for bacteria analysis. It is important that you use the correct bottle for the bacteria sample. The bottle has been sterilized and contains a reagent, sodium thiosulfate (in tablet or powder form), to prevent interference with the analysis. Do not remove the sodium thiosulfate tablet or powder.

Use the same location to collect this sample as you did for the larger, yellow labeled bottle explained above (well mixed, deeper location away from source of water). Carefully twist the lid to break the seal and remove the lid from the sample container. Hold the lid by the outside (if you touch the inside of the lid or bottle, you could contaminate the sample with bacteria). Fill the container with water to the line marked "100 mL". Screw the lid on tightly to prevent leakage. It is important that you do not touch or lay the lid down on the ground to prevent bacterial contamination on the inside of the bottle or lid.

Remember to refrigerate the samples until you are ready to send them to the laboratory. Keep in mind that water samples for bacteria analysis must reach the laboratory within 30 hours of collection to produce accurate results. Place all sample bottles into the cooler provided with the kit. Be sure to also fill the 2 bags with fresh ice as labeled. Place 1 bag of ice on the bottom of the cooler. Then, place all sample bottles into the large plastic bag, seal it closed and put into cooler, place the other bag of ice on top of the bag of bottles. Include completed submission form on top of the cooler inside the cardboard mailer box.

Send the sample cooler to the laboratory so that it arrives at the laboratory within 30 hours of sampling and no later than Thursday of any given week.

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extension.psu.edu

For additional information, visit extension.psu.edu/water or contact the lab.

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