Pond owner name: Pond name:

Pond Owner Cooperator Program
Cornell Cooperative Extension

Data Sheet

Please use this worksheet as you take measurements in the field and then submit your data using the Pond Owner Cooperator Program webpage. Thanks!

Name: _____
Email address: _____
Address:_____
_____
Pond name: _____ USGS quad: _____County: _____
Phone: ( )_____

Qualitative Use Survey: (check **ALL** that apply)
What do you currently use your pond for?:

□ drinking water □ swimming □ fishing □ boating □ attracting wildlife
□ runoff control from homes □ livestock watering □ agricultural runoff control

Do other neighbors also own property along the pond shoreline? □ yes □ no

What is the surrounding land-use upslope from the pond?:

□ septic systems □ livestock pastured □ lawns □ forests □ crops
□ roads □ driveways □ houses

What is the total size of your property? _____ Acres

Physical Habitat Assessment
Pond type?: □ natural □ manmade

If manmade, when was the pond constructed? _____

Can the pond's water level be controlled artificially?
□ Yes □ No

If so, what type of control structure do you have on your pond?
□ dam □ pipe □ other_____

Water residence time:

Does surface water (such as a stream) flow into your pond for more than six months in a typical year? _____

Pond owner name: Pond name:

Do you have a natural spring or groundwater seeping into your pond?_____

Habitat Measurements:

(This information is best collected from mid-July to mid-August)

Date Measured:_____

Pond Depth:
D1____ +D2____ +D3____ +D4____ +D5____
+D6____ +D7____ +D8____ +D9____ +D10____ = _____ ÷ 10 = _____Avg. Depth (meters)

Maximum pond depth = _____ (meters)

Pond Surface Area:
For Rectangular Ponds:
Approx. pond length (ft) _____ **x** Approx. pond width (ft) _____ = _____Surface area (ft^2)

For Circular Ponds:
Area= π * $radius^2$(ft). Where the radius= 1/2 the diameter (or width) of the pond.

Surface area (ft^2) ÷43,560 (ft^2) per acre = _____ Approx. pond surface area in acres

Water Temperature:
Surface temp(°C).:_____ _ Bottom temp(°C).:_____ Air temp(°C).:_____

Water Quality:
Transparency: □ clear □ slightly cloudy □ turbid □ highly turbid
Secchi disk measurement:
1st depth reading(feet)_____ 2nd depth reading_____

<u>Biological Inventory-Aquatic Plants</u>

(This information is best collected from mid-July to mid-August)

Dominant plant species:

Water depth where located (meters): _____

Growth form - □ Attached to substrate □ Floating in water
□ Stem protruding above surface □ Leaves floating on surface

Sediment where located: □ rocks, cobbles □ gravel □ sandy
□ clay, silt □ organic litter □ mucky

Pond owner name: Pond name:

Location of patch: □ near docks □ near inflowing stream
□ other _____

Presence of other dominant plants in the pond:
# of submerged species (all leaves under the surface) _____
# of emergent species (stems and leaves out of water) _____
# of floating leaved species _____

Wildlife present in pond:
Wildlife observed: □ frogs □ salamanders □ herons □ ducks
□ turtles □ other_____

Please refer to the Pond Owner Cooperator Program webpage to download a copy of the Fish Stocking and Angling History Data Sheet.