Phase 1 Bog Turtle Habitat Survey Data Form
For the Northern Population Range
(Revised October 23, 2018)

Property/Project Name: _______________________________

County ___________________

Entity Requesting Phase 1 Survey (landowner, developer, agency): _______________________________

Township/Municipality: _______________________________

Lead Surveyor: __________________________ Affiliation: __________________________

Other Assistants Present: __________________________

Date of Survey: ________________ Time In: ________________ Time Out: ________________ Air Temp. ______ F ° C°

Last Precipitation: __ < 24 hours __ 1-7 days __ > 1 week __ unknown Drought conditions? __ YES __ NO __ Unknown

Drought Index*¹ (Circle): D0 D1 D2 D3 D4 Notes (e.g., details about drought, flood, abnormally dry, seasonal conditions):

Wetland ID: ____________________ Wetland Size: _____ acres, if known # Wetlands w/in Project Area³: _______

If estimating wetland size: __ < 0.1 acre __ 0.1-0.5 acre __ 1-2 acres __ 2-4 acres __ 5+ acres __ 10+ acres

% Canopy Cover³ __ 0% __ ≤ 5 __ 6-20 __ 21-40 __ 41-60 __ > 60

Hydrology and Soils (check all that apply):
__ Springs/Seeps __ Springhouse __ Trib/Stream __ Pond __ Stormwater __ Iron Bacteria
__ Rivulets (how many_____)(_______ inches deep) __ Subsurface Tunnel/Rivulets __ Tire Ruts (_____ inches deep)
__ Saturated soils present? If yes, year-round? __ Likely __ Unlikely __ Unknown
__ Yes __ No water visible on surface? __ Small Puddles/Depressions (____ inches deep)
__ Yes __ No Are there any signs of disturbance to hydrology (e.g., drainage ditches, tile drainages, berms, culverts, fill material, ponds, roads, beaver impoundment, evidence of flooding)? If yes, describe (if possible, include how recent disturbance is*):

For ditches that may be present, is there bog turtle habitat? If yes, describe:

__ Yes __ No Are there any signs of disturbance to vegetation (e.g., mowing, pasturing, burning)? If yes, describe (if possible, include level of disturbance*):

Soil types present*:

¹ (*) Denotes reference to the Supplemental Information document that provides more details on this particular question.
² Each wetland must have a separate Phase 1 habitat assessment data form completed.
³ Determine percent cover of abundant species for the wetland, not by wetland type. Abundant species are those that are
PEM Portion of Wetland: Approx. Acre(s) _____ Mucky soils depth (inches) _____

PSS Portion of Wetland: Approx. Acre(s) _____ Mucky soils depth (inches) _____

PFO Portion of Wetland: Approx. Acre(s) _____ Mucky soils depth (inches) _____

PO Portion of Wetland: Approx. Acre(s) _____

CIRCLE all vegetation* from list below that is dominant ≥ 20% for each wetland type listed above. Also, CIRCLE calciphiles* present even if not a dominant species.

<table>
<thead>
<tr>
<th>Wetland Type/Vegetation</th>
<th>Species</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sphagnum Moss</td>
<td>Grass-of-Parnassus</td>
</tr>
<tr>
<td>Arrowhead</td>
<td>Japanese Stiltgrass</td>
</tr>
<tr>
<td>Carpetgrass</td>
<td>Jewelweed</td>
</tr>
<tr>
<td>Cattail</td>
<td>Mile-A-Minute</td>
</tr>
<tr>
<td>Cinnamon Fern</td>
<td>Porcupine Sedge</td>
</tr>
<tr>
<td>Common Boneset</td>
<td>Purple Loosestrife</td>
</tr>
<tr>
<td>Common Reed</td>
<td>Reed Canary Grass</td>
</tr>
<tr>
<td>Rice Cutgrass</td>
<td>Rough-leaved Goldenrod</td>
</tr>
<tr>
<td>Sensitive Fern</td>
<td>Skunk Cabbage</td>
</tr>
<tr>
<td>Smooth Sawgrass</td>
<td>Yellow Sedge</td>
</tr>
<tr>
<td>Sweetflag</td>
<td>Dogwood Spp.</td>
</tr>
<tr>
<td>Multiflora Rose</td>
<td>Alder Spp.</td>
</tr>
<tr>
<td>Tussock Sedge</td>
<td>White Turtlehead</td>
</tr>
<tr>
<td>Shrubby Cinquefoil</td>
<td>Spicebush</td>
</tr>
<tr>
<td>Red Maple</td>
<td>Viburnum Spp.</td>
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</table>

Notes on additional plant species (Are there other sedges/rushes/other species dominant that are not on the list above?):

Describe surrounding landscape (e.g., wetlands, forest, subdivision, agricultural field, fallow field, etc.):

How much of this wetland is located off-site (i.e., outside the property boundaries or right-of-way)?

__ None of it – the entire wetland is within the property boundaries
__ Some of it — ______ Acres or _____% of the wetland appears to be located off-site

If part of this wetland continues off-site, how much of the off-site portion was surveyed (on foot)?

__ None of it __ All of it __ Part of it (____ acres or ____% of the off-site portion)

Is there potential bog turtle habitat off-site? __ Yes __ No __ Unknown If yes, how did you conclude this?

Were any bog turtles observed? __ Yes __ No __ Unknown If yes, how many?________

Other herps observed? __ Yes __ No __ Unsure __ Unknown If yes, which ones?

__ Yes __ No __ Unsure The hydrology criterion for bog turtle habitat is met.
__ Yes __ No __ Unsure The soils criterion for bog turtle habitat is met.
__ Yes __ No __ Unsure The vegetation criterion for bog turtle habitat is met.
__ Yes __ No __ Unsure This wetland has potential bog turtle habitat (fair to good quality).
__ Yes __ No __ Unsure This wetland has potential bog turtle habitat (low to very low quality).
__ Yes __ No __ Unsure This wetland does NOT have potential bog turtle habitat.

Notes (How did you reach this opinion?):

Lead Surveyor – please sign below certifying to the best of your knowledge that all of the information provided herein is accurate and complete.

Signature __________________________________________ Date _______________________

*Note that you must be permitted by the state you are conducting the survey in to handle bog turtles.

*Report bog turtle observations to your local FWS Field Office and state wildlife office within 48 hrs.

most prominent in the wetland and have the highest percent of coverage compared to other species.

4 Pertinent to bog turtle sites found in Connecticut, Massachusetts, New Jersey, New York, and Pennsylvania. See Supplemental Information – Suitable Vegetation section.
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Sketch wetland (or attach printed map with each wetland type carefully outlined; include all wetland types (PEM, PSS, PFO, POW), streams/ditches, north arrow and property/project borders, and areas of core bog turtle habitat. Include color photos for each wetland assessed when submitting to agencies.

Additional space for notes, sketches, photos, etc.