

### POND HABITAT SURVEY RECORDING FORM (PAGE 1 OF 4)

Your nam	e				Date	e	
	figure grid refe 43 (see your ma				I: 8 figure grid re 25 (see your map		
Pond nan	ne						
Please co	omplete a PONI	D HABITAT SUR	RVEY sheet for	each pond surve	yed in your 1 km	grid square.	
		nmental data from tat survey guide a		ond between May ar	nd September. You	can learn all the sl	kills
Before you begin, it's also worth checking to see if environmental data has previously been collected from the pond. This can save you time, since some factors rarely change, and you can download (and later upload) a sheet with these factors auto-filled. Go to: www.freshwaterhabitats.org.uk/projects/pondnet/survey-options/habitats for survey guides and more information.							
				online: <u>www.fresh</u> ne pond, to provide			rnet/
Is the pond new? (less than 10 yrs old) Year of creation? Pond Alti   yes, no, unknown date, decade, unknown Pond Alti						Pond Altitude (m)	
Area	Note: This is th	ne <i>surface area</i> d	of the pond whe	n the <u>water is at its</u>	<u>s highest level</u> (usi	ually in early spring	g). It will
m²				ond. The high wate . Measure by pacir			
Pond dries				dries: no more that			nly in
	1 = never dries 2 = rarely dries			es: dries between the pond permanence			er) and
	3 = sometimes 4 = annually			er level at the time	of the survey. Pon	ds that dry out ani	nually
Overhangi	ng trees & shru	ıbs				e of how much of th	
	% of pond overhung by trees and shrubs % pond margin overhung to at least 1m from the pond margin % below) as a guide)						
Waterfowl		-			the diagram (below	, ,	nd banks
	1 = major 2 = minor 3 = none	<b>Major</b> = severe impact of waterfowl e.g. few or no submerged plants, water turbid, pond banks have patches where vegetation removed, feed put down; <b>Minor</b> = waterfowl present, but little impact on pond vegetation, pond still supports submerged plants and banks are not denuded of vegetation; <b>None</b> = no evidence of waterfowl impact (moorhens may be present).					
Fish prese				ish known to be pr			
	1 = major 2 = minor 3 = possible 4 = absent	Carp, goldfish or stickleback known to be present; <b>Possible</b> = no evidence of fish, but local conditions suggest that they may be present; <b>Absent</b> = no records of fish stocking and no fish ble revealed during survey.					
Disturband	e by dogs			ne pond, compacte			
	1 = majorturbid; Minor = dogs use the pond, but little impact on pond vegetation, pond still supports2 = minorsubmerged plants and banks are not denuded of vegetation; None = no evidence that dogs3 = noneare using the pond.						
Aquatic vegetation: includes emergent, floating and submerged plants							
%	% of the <u>whole pond</u> (wet and dry) occupied by <u>emergent vegetation</u> – incl. plants like grasses, water mint and rushes, but not floating (e.g. pondweed)						
%	% of pond water surface area covered by all vegetation (emergent, floating (excl. duckweed) and submerged).   %						
Water left in the pond							
%	level. This can be 0% if the pond has dried out.					difference	
cm		e height drop from vel to current leve			urrent water level		n maximum & water level)

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Grazing											
Tick if there	Tick if there is evidence the pond is grazed by livestock. If yes, complete the following boxes:										
% of whole	% of whole pond grazed (note: stock can wade into shallow ponds to graze).										
% of pond p	% of pond perimeter grazed (note: stock can wade into shallow ponds to graze otherwise inaccessible edges).										
Grazing inte	ensity: rank	(1-5 (1=	infrequer	nt or low	intensity to	5 = marg	ins heavi	ly poache	ed and alı	most bare	e).
Pond management (tic		- (	- 1		, <b>,</b>			,			
use tick boxes to list man	•	ithin the	last 12 m	onths U	se 'other' bo	ox for any e	extra info				
Fully dredged		artly dredg				vegetation removed <a></a> <5% vegetation removed					
Trees planted		ees clear			-				-		
			F					snape / siz	e		
Plants introduced	Ва	ank plants	s mown	mown Structural work e.g. to dam			am	Straw added			
Add other or more detail											
Water quality:											
Turbidity / water clarity	: Estimat	e turbid	ity looki	ng dowi	n into c.20	cm depth	of water	in the p	ond.		
1 = clear; 2 =	= moderate	ely clear	; 3 = mo	derately	turbid; 4 =	turbid		-			
Inflows and outflows: (	(tick if inflo	w or out	flow pres	ent or le	ave blank)						
Inflow present	,		Outflow		,						
Water chemistry: If suit	able kits a	nd mete	rs are av	ailable (	or leave bla	ank)					
pH							ctivity (µ	S cm-1)			
Nitrate (NO <sup>3-</sup> -N ppm): P	PW kits pr	ovided b	V FHT		Phosnha	te (PO₄ <sup>3-</sup> -			nrovided	by FHT	
(tick one from the followi	•		•		•	from the f	•• •		•	by 1111	
<0.2 0.2-0.5 0.5-1	1-2	2-5	5-10	10 +	•	0.02-0.05	-	-	0.2-0.5	0.5-1	1+
		2.0	0.10	101	<0.0Z	0.02 0.00	0.00 0.1	0.1 0.2	0.2 0.0	0.0 1	
Pond base:   This refers to the geology (i.e. rock-type) that immediately underlies the pond. You may know, or be able to see the underlying geology in the base or banks of the pond, especially in new ponds. If not, check a geology map or leave this section blank.   Choose one of the following to categorise the % composition of each of pond base: 1= 0-32%, 2= 33-66%, 3= 67-100%   Silt/ clay Sand, gravel, cobbles   Hard rock Peat   Other (please specify)   Surrounding land use: Estimate the percentage of surrounding land-use in distance zones from the pond perimeter (i.e. the											
maximum winter water leve	el) used to a	issess po	nd area. I	n many p	onds the 0-5	5m zone wil	l include s	surroundin	g trees/sc	rub.	
Habitat (%)	0-5m	0-100m				E	xamples				
Trees, woodland & scrub			Deciduous and coniferous woodland, individual trees, scrub and hedgerows.								
Heath & moorland			Lowland and upland heathland, moorland and mountain; includes bracken.								
Rank vegetation			Unmanaged grass, neglected and abandoned land, set-aside, verges and buffer strips.								
Unimproved grassland		Herb-rich, calcareous and acid grassland (good quality plant indicators usually present). Low percentage of agricultural grasses. Not fertilised, little or no drainage.									
Semi-improved grassland		A transition category. Grasslands modified by fertilisers, drainage, herbicides or intensive grazing, but retaining elements of natural grassland types in the area.									
Improved grassland		Fertile agricultural grass, often bright green and lush; including parks and golf greens.									
Arable		All crops. Includes flower and fruit crops (e.g. strawberries) and ploughed land.									
Urban buildings & gardens		Areas in curtilage (associated with buildings); including glass-houses and farm yards.									
Roads, tracks & paths		Including car-parks and footpaths.									
Rock, stone & gravel		Cliffs, rock-outcrops, gravel-pits, quarries, areas of sand and gravel or stone.									
Bog, fen, marsh & flush		Wetland vegetation and blanket bog.									
Ponds & lakes		Permanent and seasonal waterbodies; including trackway pools.									
Streams & ditches		Rivers, streams, ditches, springs and canals									
Other (state) E.g. maritime vegetation, s				etation, saltr	marsh, san	d-dune, or	chards an	d railways			

Is the pond in a protected area? (yes, no, unknown) Give details



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		ow to be present in the pond, or leave blank if you are tips on identification (please tick all that apply).					
New Zealand Pigmyweed Crassula helmsii	Floating Pennywort Hydrocotyle ranunculoides	Non-native Pondweed, e.g.: Canadian Pondweed <i>Ellodea canadensis</i> , Nuttall's Pondweed <i>Elodea nutallii</i> ,					
Parrot's Feather Myriophyllum aquaticum	Water Fern Azolla filiculoides	Curly Waterweed Lagarosiphon major					
Location score for Great Crested	Newts (select pond location based o	on map to right)					
A (optimal), B (marginal)	or C (unsuitable)	E Star Zo					
Number of ponds: Note: ponds are <2ha in size - to help you calculate the total use the PondNet map, an OS map, Google maps, or other mapping tool):							
Number of <i>other</i> ponds (e	Number of other ponds (exclude the survey pond) in a 1km radius circle centred on the pond centre. Omit ponds separated by amphibian barriers e.g. large rivers or roads.						
If there are more than 12 por	nds present in the 1km radius, you can jus	st tick this box.					
Habitat quality for amphibians: (choose one option - 1 = none, 2 = poor, 3 = moderate, 4 = good) Image: Second structure is the image: Secon							
	boose one option - $1 = bad$ , $2 = poor$ , $3$						
<b>Bad</b> = clearly polluted, only pollution-tolerant invertebrates, no submerged plants; <b>Poor</b> = low invertebrate diversity, few submerged plants; <b>Moderate</b> = moderate invertebrate diversity; <b>Good</b> = abundant and diverse invertebrate community, often surrounded by semi-natural land e.g. grassland, heath, woodland.							
Pond modification:							
Extent of modified bank							
2 = 1-25% short 3 = 26-50% form 4 = 51-75% cond 5 = 75-100% sugg	3 = 26-50% formation of a natural vegetation structure. Artificial/reinforced banks include, for example $4 = 51-75%$ formation of a natural vegetation structure. Artificial/reinforced banks include, for example $5$ concrete, metal or wooden pilings, brick or laid stone, and fabric or other lining. It is						
Modified hydrology (tick all that a		C C					
Natural hydrology (no obvious sign of modification)							
Ditches drain in or out of the	he pond						
Structure on the outflow and evidence of abstraction and surveyors can tick any that apply							
Evidence of abstraction							
How much of pond perimeter could be surveyed? Note areas of the pond which were							
not accessible.							
<b>Comments box:</b> e.g. new ownership since previous visit, any other inform the pond.							



#### POND HABITAT SURVEY RECORDING FORM (PAGE 4 of 4)

**Pond sketch map:** Make a sketch map of your pond, marking on variables such as amount of shade and patches of emergent vegetation. These will help you to calculate percentage cover and provide a record of the pond which you or others can use on future visits.

You can also take a photo of your pond or your maps (or scan them if you have a scanner) and upload them with the record www.freshwaterhabitats.org.uk/projects/waternet.

