

Column Heading	Full Name	Format	Description
Date of Survey	Date of Survey	Date	Date the survey was carried out
Pond_4figOSgridref	Pond Location	Character (6)	British National Grid reference at 1km x 1km
Pond_10figOSgridref	Pond Location	Character (10)	British National Grid reference at 1m x 1m
GRID	Pond Location	Character (2)	British National Grid Letters
Easting	Pond Location	Character (6)	Geographic Cartesian coordinates for a point. Eastward-measured distance
Northing	Pond Location	Character (6)	Geographic Cartesian coordinates for a point. Northward-measured distance
Habitat Suitability Index Scores	Columns C:X	0	For further information and suitability index graphs see Oldham, R., Keeble, J., Swan, M. & Jeffcote, M. 2000. Evaluating the suitability of habitat for the great crested newt (<i>Triturus cristatus</i>). <i>Herpetological Journal</i> , 10, 143–156
SI1 Location_Score	Pond Location Score	Character (11)	This provides a shorthand method of accommodating large-scale habitat features which affect the great crested newt. Scoring can be carried out either in the field, or as part of a desktop exercise and can comprise one of 3 categories: A (optimal), B (marginal), or c (unsuitable)
SI1 Location_SI	Pond Location Suitability Index	Character (2)	1.0 = A (optimal) and 0.5 = B (marginal)
SI2 Area_Score (m2)	Pond Surface Area Score	Character (8)	Surface area of the pond when the water is at its highest level measured to the nearest 50m ² . Where a range is given, the suitability index score is calculated by rounding down to the nearest 50m ²
SI2 Area_SI	Pond Surface Area Suitability Index	Character (3)	Value read off graph and can range from 0.01 to 1.00
SI3 Pond Drying_Score	Pond Permanence Score	Character (9)	Pond permanence deduced from local knowledge and/or personal judgement of surveyor. Scoring is comprised of 4 categories: never (never dries), rarely (dries 2 or less years in 10 during drought), sometimes (dries 3 or more years in 10), and annually (dries annually)
SI3 Pond Drying_SI	Pond Permanence Suitability Index	Character (2)	0.9 = never, 1.0 = rarely, 0.5 = sometimes and 0.1 = annually
SI4 Water Quality_Score	Pond Water Quality Score	Character (8)	Subjective assessment based on invertebrate diversity. Scoring is comprised of 4 categories: good (abundant and diverse invertebrate community), moderate (moderate invertebrate diversity), poor (low invertebrate diversity, few submerged plants) and bad (clearly polluted, only pollution tolerant invertebrates, no submerged plants)
SI4 Water Quality_SI	Pond Water Quality Suitability Index	Character (3)	1.00 = good, 0.67 = moderate, 0.33 = poor and 0.01 = bad
SI5 Shade_Score (%)	Pond Shade Score	Percentage	Percentage of pond perimeter shaded to a least 1 m from shore
SI5 Shade_SI	Pond Shade Suitability Index	Character (2)	Value read off graph and can range from 0.2 to 1.0

Column Heading	Full Name	Format	Description
SI6 Fowl_Score	Pond Waterfowl Score	Character (6)	Impact of waterfowl upon a pond. 'Waterfowl' includes most water birds, such as ducks, geese and swans. Moorhens should be ignored because almost every pond has at least one or two. Scoring is comprised of 3 categories: absent (no evidence (but moorhen may be present), minor (waterfowl present, but little signs of impact), and major (severe impact of waterfowl)
SI6 Fowl_SI	Pond Waterfowl Suitability Index	Character (3)	1.00 = absent, 0.67 = minor and 0.01 = major
SI7 Fish_Score	Pond Fish Score	Character (6)	Information on fish gleaned from local knowledge and/or surveyor observations. Scoring is comprised of 4 categories: absent (no records of fish stocking and no fish revealed during survey), possible (no evidence of fish, but local conditions suggest they may be present), minor (small numbers of crucian carp, goldfish or stickleback known to be present) and major (dense populations of fish known to be present)
SI7 Fish_SI	Pond Fish Suitability Index	Character (3)	1.00 = absent, 0.67 = possible, 0.33 = minor and 0.01 = major
SI8 Ponds_Score (km2)	Pond Density Score	Character (8)	Number of ponds occurring within 1 km of survey pond not including the survey pond. Divide number of ponds by Pi (3.14) to calculate the density of ponds per km2
SI8 Ponds_SI	Pond Density Suitability Index	Character (3)	Value read off graph and can range from 0.10 to 1.00
SI9 Terrestrial	Terrestrial Habitat Score	Character (8)	Terrestrial habitat considered only on the near side of any major barriers to dispersal (e.g. main roads or large expanses of bare habitat). Scoring is comprised of 4 categories: good (extensive area of habitat that offers good opportunities for foraging and shelter completely surrounds pond (e.g. rough grassland, scrub or woodland), moderate (habitat that offers opportunities for foraging and shelter, but may not be extensive in area and does not completely surround pond), poor (habitat with poor structure that offers limited opportunities for foraging and shelter (e.g. amenity grassland) and none (clearly no suitable habitat around pond (e.g. centre of large expanse of bare habitat). Note that it is rare to encounter a pond with a terrestrial habitat category of 'none'
SI9 Terrestrial_SI	Terrestrial Habitat Suitability Index	Character (3)	1.00 = good, 0.67 = moderate, 0.33 = poor and 0.01 = none
SI10 Macrophytes_Score (%)	Macrophyte Cover Score	Percentage	Estimated percentage of pond surface area occupied by macrophyte cover. This includes emergents, floating plants (excluding duckweed) and submerged plants reaching the surface
SI10 Macrophytes_SI	Macrophyte Cover Suitability Index	Character (3)	Value read off graph and can range from 0.30 to 1.00
HSI_Score	Habitat Suitability Index Score	Character (3)	(SI1 x SI2 x SI3 x SI4 x SI5 x SI6 x SI7 x SI8 x SI9 x SI10) 1/10

Column Heading	Full Name	Format	Description
HSI_Category	Habitat Suitability Index Score Category	Character (9)	< 0.5 = poor, 0.5-0.59 = below average, 0.6-0.69 = average, 0.7-0.79 = good, and > 0.8 = excellent
GCN egg search	Result of great crested newt egg survey	Character (3)	Method for surveying great crested newts. Yes = where eggs were found, no = where eggs were not found and NA is for ponds where egg searches were not conducted
Other GCN life stage	Result of great crested newt visual survey	Character (12)	Visual observations of great crested newt life stages other than eggs. adult_female = adult female great crested newt, immature = sexually immature great crested newt, larvae = great crested newt larvae, none = no great crested newt life stages observed and NA is for ponds where no visual observations for great crested newt life stages were conducted
pH	Pond pH	Character (4)	Additional pond water quality metric. NAs = no pH measurement was taken
Temperature (°C)	Pond Temperature	Character (3)	Temperature of pond water to nearest 0.1 °C. NAs = no temperature measurement were taken
GCN_occ	great crested newt occurrence	Character (11)	Determined using eDNA analysis. present = great crested newt eDNA presence, absent = great crested newt eDNA absence and inconclusive = indeterminate result.
Broad_scale_only	Spatial resolution of record	Character (1)	Y identifies records that are displayed as 1kmx1km, N identifies records that are displayed as 1mx1m
symbol	Symbol for layer file	Character (12)	length of OS grid reference and whether eDNA recorded great crested newts as present, absent or if the survey was inconclusive
Nitri	Nitrites mg/L	Character (4)	Nitrites mg/L, NA denotes where this measurement was not taken
Nitra	Nitrates mg/L	Character (4)	Nitrates mg/L, NA denotes where this measurement was not taken
Phos	Phosphates mg/L	Character (4)	Phosphates mg/L, NA denotes where this measurement was not taken
Amm	Ammonia mg/L	Character (4)	Ammonia mg/L, NA denotes where this measurement was not taken