

A revised system for categorising great crested newt habitat suitability - Supplementary information

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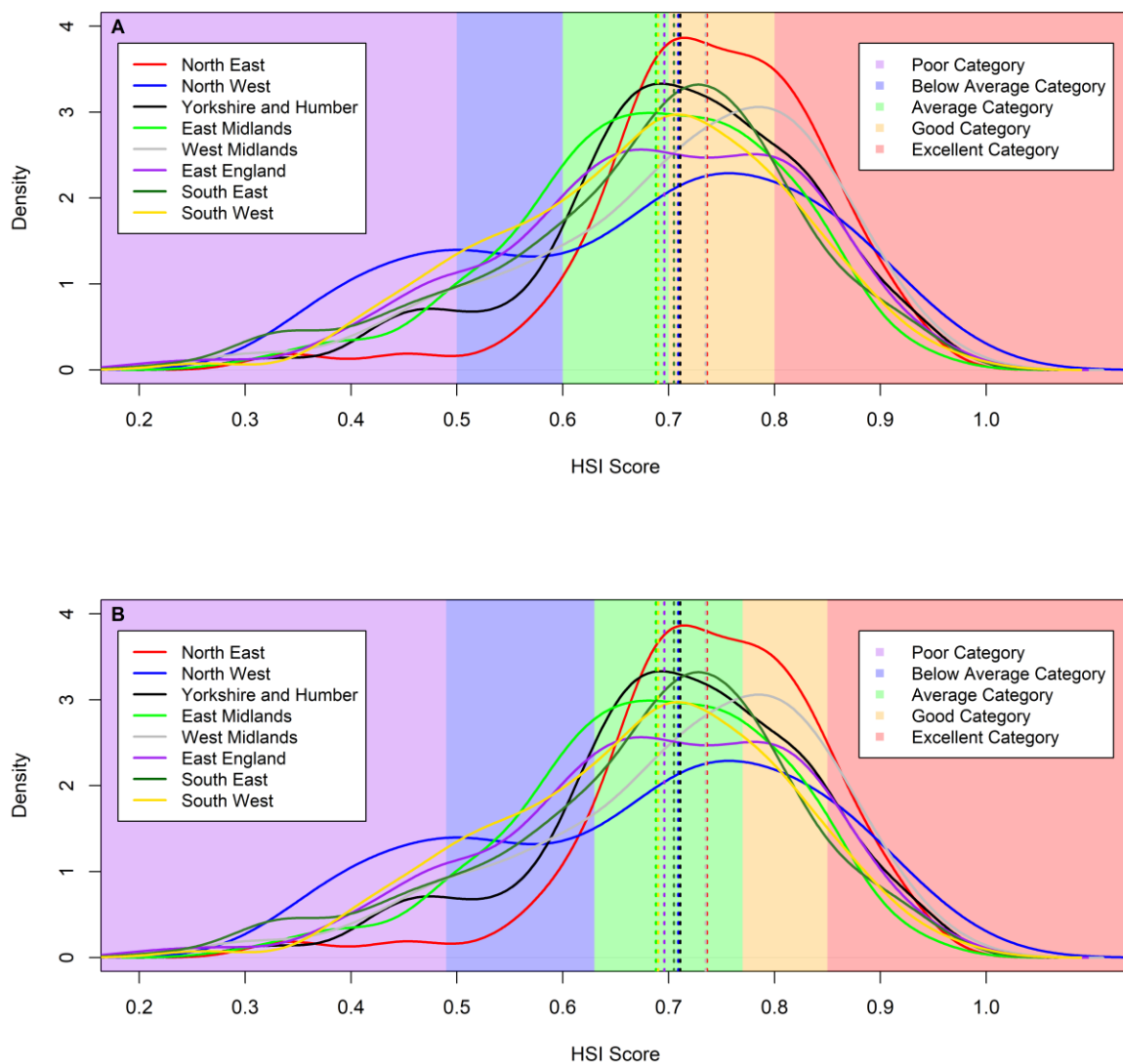


Figure 1 – HSI score sample density for ponds with confirmed occupancy (red), and no confirmed occupancy (blue), median HSI for each is indicated by a dashed line. **A)** Existing HSI scoring system (ARG UK, 2010). **B)** Revised HSI scoring system. In both cases the different categories are emphasised by background colour.

Table S1 – Regional HSI data for both proposed and existing HSI categorisation system including mean, median HSI Scores, observed occupancy and percentage of all occupied ponds falling within each category. NOTE: Insufficient sampling occurred within the London Region for inclusion.

	North-east		North-west		Yorkshire and Humber		East Midlands		West Midlands		East of England		South East		South West	
Total Samples (n)	318		536		918		450		666		841		735		830	
Total Occupied	57		106		215		185		285		312		208		262	
Median occupied HSI Score	0.736		0.710		0.710		0.688		0.735		0.696		0.705		0.690	
Region Occupancy	0.179		0.198		0.234		0.411		0.428		0.371		0.283		0.316	
Existing Categories	Observed Occupancy	% of All Occupied Ponds	Observed Occupancy	% of All Occupied Ponds	Observed Occupancy	% of All Occupied Ponds	Observed Occupancy	% of All Occupied Ponds	Observed Occupancy	% of All Occupied Ponds	Observed Occupancy	% of All Occupied Ponds	Observed Occupancy	% of All Occupied Ponds	Observed Occupancy	% of All Occupied Ponds
Poor	0.053	3.509	0.253	19.811	0.123	8.837	0.217	8.108	0.271	10.175	0.239	11.859	0.180	12.019	0.190	11.069
Below Average	0.065	3.509	0.150	11.321	0.119	6.047	0.321	14.595	0.398	11.579	0.371	13.782	0.280	13.462	0.281	15.649
Average	0.170	26.316	0.125	16.038	0.246	31.628	0.458	29.730	0.372	18.947	0.360	24.679	0.257	22.596	0.337	24.809
Good	0.239	36.842	0.200	25.472	0.241	28.372	0.470	29.730	0.453	30.175	0.388	25.641	0.352	35.577	0.345	29.389
Excellent	0.233	29.825	0.284	27.358	0.432	25.116	0.550	17.838	0.589	29.123	0.500	24.038	0.330	16.346	0.435	19.084
Revised Categories	Observed Occupancy	% of All Occupied Ponds	Observed Occupancy	% of All Occupied Ponds	Observed Occupancy	% of All Occupied Ponds	Observed Occupancy	% of All Occupied Ponds	Observed Occupancy	% of All Occupied Ponds	Observed Occupancy	% of All Occupied Ponds	Observed Occupancy	% of All Occupied Ponds	Observed Occupancy	% of All Occupied Ponds
Poor	0.059	3.509	0.243	16.038	0.122	7.907	0.214	6.486	0.277	9.123	0.243	10.897	0.189	12.019	0.179	9.160
Below Average	0.063	7.018	0.155	20.755	0.130	12.558	0.349	24.324	0.342	17.544	0.351	21.154	0.268	19.712	0.279	24.046
Average	0.208	47.368	0.158	30.189	0.259	47.907	0.457	43.243	0.397	32.982	0.356	36.538	0.279	41.346	0.331	38.931
Good	0.254	31.579	0.254	16.981	0.349	20.465	0.514	19.459	0.570	25.614	0.474	20.513	0.365	18.269	0.405	17.939
Excellent	0.300	10.526	0.340	16.038	0.511	11.163	0.600	6.486	0.689	14.737	0.586	10.897	0.474	8.654	0.565	9.924