

Trammell Crow Company

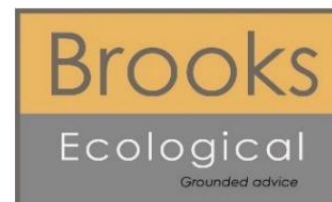
Heywood Stores Manchester Road

Great Crested Newt eDNA Survey
October 2022



Site Inspection Report

Heywood Stores, Heywood, Oldham



Project:	Heywood Stores	Site Inspection reference:	SI-6197-01
Date of inspection:	20.05.22	No. of Pages:	3
Inspection carried out by:	Sam Kitching BSc (Hons) MCIEEM Principal Ecologist		
Task description:	<u>eDNA survey</u> One onsite and one offsite pond, referred to as Pond 1 and 2 on the plan below, were surveyed to confirm the presence or likely absence of great crested newt (GCN). Sampling included all ponds on site and those within 250m and not separated by significant barriers, so as to inform a DLL application, should it be required. The eDNA survey involved taking water samples from 20 different locations around each pond's margins, focusing on areas where newts are most likely to gather. This involved using sterile kits supplied by Surescreen Scientifics laboratory and followed methodology as advised in the Natural England Technical Advice Note (WC1067). 		

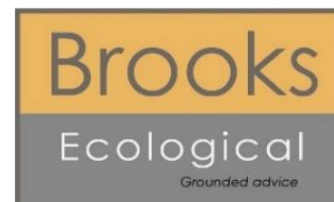


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Results	Water samples were collected on the 20th May 2022 and the results returned on the 25th May 2022 - see Appendix 1 for full report. A negative result was returned for both ponds, meaning that GCN DNA was <u>not</u> detected within the water samples collected. This result can be used to demonstrate the likely absence of GCN from these ponds.
Conclusions and Recommendations	Based on this information, it is concluded that the risk of GCN being present on Site is negligible and no further survey or specific mitigation is considered necessary.

References

Biggs J, Ewald N, Valentini A, Gaboriaud C, Griffiths RA, Foster J, Wilkinson J, Arnett A, Williams P and Dunn F (2014) Analytical and methodological development for improved surveillance of the Great Crested Newt. Appendix 5. Technical advice note for field and laboratory sampling of great crested newt (*Triturus cristatus*) environmental DNA. Freshwater Habitats Trust, Oxford.

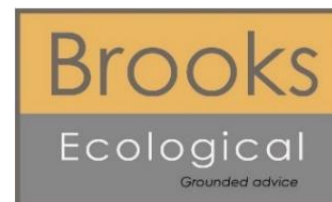


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Folio No: E13710
Report No: 1
Purchase Order: 6197
Client: BROOKS ECOLOGICAL
Contact: Sam Kitching

TECHNICAL REPORT

ANALYSIS OF ENVIRONMENTAL DNA IN POND WATER FOR THE DETECTION OF GREAT CRESTED NEWTS (TRITURUS CRISTATUS)

SUMMARY

When great crested newts (GCN), *Triturus cristatus*, inhabit a pond, they continuously release small amounts of their DNA into the environment. By collecting and analysing water samples, we can detect these small traces of environmental DNA (eDNA) to confirm GCN habitation or establish GCN absence.

RESULTS

Date sample received at Laboratory: 20/05/2022
Date Reported: 25/05/2022
Matters Affecting Results: None

Lab Sample No.	Site Name	O/S Reference	SIC	DC	IC	Result	Positive Replicates
1667	Pond 2 Heywood Stores	SD 85292 09302	Pass	Pass	Pass	Negative	0
1678	Pond 1 Heywood Stores	SD 85405 09270	Pass	Pass	Pass	Negative	0

If you have any questions regarding results, please contact us: ForensicEcology@surescreen.com

Reported by: Esther Strafford

Approved by: Chelsea Warner



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