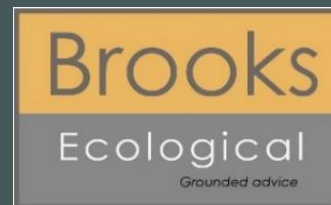


Site Inspection Report

Wood Street, Scissett



Project:	Phoenix Textiles Ltd, Wood Street, Scissett, Huddersfield.	Site Inspection Reference:	SI-7197-01
Date of inspection:	28/06/2024	No. of Pages:	2
Inspection carried out by:	Christopher Shaw BSc (Hons) MCIEEM Principal Ecologist		
Task Description	<u>White-Clawed Crawfish (WCC) Survey</u> A survey was undertaken to confirm the presence or likely absence of WCC within the watercourse intersecting the Site. This used a combination of traditional survey techniques (direct hand search/ stone turning within the channel) and modern survey techniques (eDNA testing.)		
Method & Survey	<u>eDNA sampling</u> When aquatic organisms inhabit a waterbody such as a pond, lake or river they continuously release small amounts of their DNA into the environment. By collecting and analysing water samples, it is possible to detect these small traces of environmental DNA (eDNA) to confirm the presence or absence of the target species within the waterbody. Water samples were collected from the River Dearne on the 28 th June 2024, following the method as set out in the SureScreen Scientifics Technical White Paper and Filtration Sample Collection Guide. This included collecting 20 subsamples from the watercourse, avoiding disruption of sediment. Following which, as much of this sample was passed through the filter as possible, the filter was emptied of water, filled with preservative and returned to the lab. <u>Hand search</u> After water samples had been collected, the river was re-entered at a downstream point, and numerous (>100) stones and artificial refugia (i.e. bricks, roof tiles) were turned to search for direct evidence of white clawed crayfish.		
Results	<u>eDNA analysis</u> Water samples were tested by SureScreen Scientific, and a Negative result was returned for all three Target Species: White-clawed crayfish, Signal crayfish, Crayfish Plague (see Appendix 1). <u>Hand search</u> Survey, carried out during optimal weather conditions and time of year, found no evidence of any crayfish species within the section of River Dearne bordering the Site.		
Conclusions and Recommendations:	A combination of physical hand search and eDNA testing has been able to demonstrate the likely absence of WCC from within the River Dearne as it intersects the Site. No further survey or specific mitigation is considered necessary.		



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Appendix 1 - SureScreen Scientific Results

Results

Lab ID	Site Name	OS Reference	Target Species	Sample Integrity Check	Result	Positive Replicates
FK2138	River Dearne	SE 24838 10153	Crayfish plague	Pass	Negative	0
			Signal crayfish	Pass	Negative	0
			White-clawed crayfish	Pass	Negative	0