

Client: Stephanie Green,  
Ethos Environmental Planning



ADAS  
Spring Lodge  
172 Chester Road  
Helsby  
WAS 6AR

Tel: 01159 229249  
Email: Helen.Rees@adas.co.uk  
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Sample ID: ADAS-3587 Condition on Receipt: Good Volume: Passed  
Client Identifier: Wilson's Pearce's Farm Description: pond water samples in preservative  
Date of Receipt: 05/05/2022 Material Tested: eDNA from pond water samples

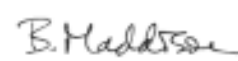
| Determinant                                                        | Result                 | Method        | Date of Analysis |
|--------------------------------------------------------------------|------------------------|---------------|------------------|
| Inhibition Control <sup>†</sup>                                    | 2 of 2                 | Real Time PCR | 09/05/2022       |
| Degradation Control <sup>‡</sup>                                   | Within Limits          | Real Time PCR | 09/05/2022       |
| Great Crested Newt*                                                | 0 of 12 (GCN negative) | Real Time PCR | 09/05/2022       |
| Negative PCR Control (Nuclease Free Water)                         | 0 of 4                 | Real Time PCR | As above for GCN |
| Positive PCR Control (GCN DNA 10 <sup>-4</sup> ng/μL) <sup>§</sup> | 4 of 4                 | Real Time PCR | As above for GCN |

Report Prepared by: Dr Helen Rees Report Issued by: Dr Ben Maddison

Signed:



Signed:



Position: Director: Biotechnology Position: MD: Biotechnology

Date of preparation: 10/05/2022 Date of issue: 10/05/2022

eDNA analysis was carried out in accordance with the stipulated methodology found in the Technical Advice Note (WC1067 Appendix 5 Technical Advice Note) published by DEFRA and adopted by Natural England.

\* If all PCR controls and extraction blanks give the expected results a sample is considered: negative for great crested newt if all of the replicates are negative; positive for great crested newt if one or more of the replicates are positive.

<sup>†</sup> Recorded as the number of positive replicate reactions at expected C<sub>t</sub> value. If the expected C<sub>t</sub> value is not achieved, the sample is considered inhibited and is diluted as per the technical advice note prior to amplification with great crested newt primer and probes.

<sup>‡</sup> No degradation is expected within time frame of kit preparation, sample collection and analysis.

<sup>§</sup> Additional positive controls (10<sup>-1</sup>, 10<sup>-2</sup>, 10<sup>-3</sup> ng/μL) are also routinely run, results not shown here.

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Sample ID: ADAS-3608      Condition on Receipt: Medium Sediment      Volume: Passed  
Client Identifier: Pearce's Farm      Description: pond water samples in preservative  
Date of Receipt: 05/05/2022      Material Tested: eDNA from pond water samples

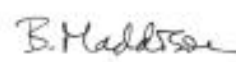
| Determinant                                                        | Result                 | Method        | Date of Analysis |
|--------------------------------------------------------------------|------------------------|---------------|------------------|
| Inhibition Control <sup>†</sup>                                    | 2 of 2                 | Real Time PCR | 09/05/2022       |
| Degradation Control <sup>‡</sup>                                   | Within Limits          | Real Time PCR | 09/05/2022       |
| Great Crested Newt*                                                | 0 of 12 (GCN negative) | Real Time PCR | 09/05/2022       |
| Negative PCR Control (Nuclease Free Water)                         | 0 of 4                 | Real Time PCR | As above for GCN |
| Positive PCR Control (GCN DNA 10 <sup>-4</sup> ng/μL) <sup>§</sup> | 4 of 4                 | Real Time PCR | As above for GCN |

Report Prepared by: Dr Helen Rees      Report Issued by: Dr Ben Maddison

Signed:



Signed:



Position:

Director: Biotechnology

Position:

MD: Biotechnology

Date of preparation:

10/05/2022

Date of issue:

10/05/2022

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<sup>†</sup> Recorded as the number of positive replicate reactions at expected C<sub>i</sub> value. If the expected C<sub>i</sub> value is not achieved, the sample is considered inhibited and is diluted as per the technical advice note prior to amplification with great crested newt primer and probes.

<sup>‡</sup> No degradation is expected within time frame of kit preparation, sample collection and analysis.

<sup>§</sup> Additional positive controls (10<sup>-1</sup>, 10<sup>-2</sup>, 10<sup>-3</sup> ng/μL) are also routinely run, results not shown here.

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Sample ID: ADAS-3618 Condition on Receipt: Good Volume: Passed  
Client Identifier: Prior's Farm Goldfish Description: pond water samples in preservative  
Date of Receipt: 05/05/2022 Material Tested: eDNA from pond water samples

| Determinant                                                        | Result                 | Method        | Date of Analysis |
|--------------------------------------------------------------------|------------------------|---------------|------------------|
| Inhibition Control <sup>†</sup>                                    | 2 of 2                 | Real Time PCR | 09/05/2022       |
| Degradation Control <sup>§</sup>                                   | Within Limits          | Real Time PCR | 09/05/2022       |
| Great Crested Newt*                                                | 0 of 12 (GCN negative) | Real Time PCR | 09/05/2022       |
| Negative PCR Control (Nuclease Free Water)                         | 0 of 4                 | Real Time PCR | As above for GCN |
| Positive PCR Control (GCN DNA 10 <sup>-4</sup> ng/μL) <sup>#</sup> | 4 of 4                 | Real Time PCR | As above for GCN |

Report Prepared by: Dr Helen Rees Report Issued by: Dr Ben Maddison

Signed:



Signed:



Position: Director: Biotechnology Position: MD: Biotechnology

Date of preparation: 10/05/2022 Date of issue: 10/05/2022

*eDNA analysis was carried out in accordance with the stipulated methodology found in the Technical Advice Note (WC1067 Appendix 5 Technical Advice Note) published by DEFRA and adopted by Natural England.*

*\* If all PCR controls and extraction blanks give the expected results a sample is considered: negative for great crested newt if all of the replicates are negative; positive for great crested newt if one or more of the replicates are positive.*

*<sup>†</sup> Recorded as the number of positive replicate reactions at expected C<sub>t</sub> value. If the expected C<sub>t</sub> value is not achieved, the sample is considered inhibited and is diluted as per the technical advice note prior to amplification with great crested newt primer and probes.*

*<sup>§</sup> No degradation is expected within time frame of kit preparation, sample collection and analysis.*

*<sup>#</sup> Additional positive controls (10<sup>-1</sup>, 10<sup>-2</sup>, 10<sup>-3</sup> ng/μL) are also routinely run, results not shown here.*

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Sample ID: ADAS-3593      Condition on Receipt: Good      Volume: Passed

Client Identifier: Priors Farm, Corp Pond      Description: pond water samples in preservative

Date of Receipt: 05/05/2022      Material Tested: eDNA from pond water samples

| Determinant                                                        | Result                                                                              | Method            | Date of Analysis                                                                      |
|--------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------|---------------------------------------------------------------------------------------|
| Inhibition Control <sup>†</sup>                                    | 2 of 2                                                                              | Real Time PCR     | 09/05/2022                                                                            |
| Degradation Control <sup>§</sup>                                   | Evidence of degradation                                                             | Real Time PCR     | 09/05/2022                                                                            |
| Great Crested Newt*                                                | Indeterminate                                                                       | Real Time PCR     | 09/05/2022                                                                            |
| Negative PCR Control (Nuclease Free Water)                         | 0 of 4                                                                              | Real Time PCR     | As above for GCN                                                                      |
| Positive PCR Control (GCN DNA 10 <sup>-4</sup> ng/μL) <sup>#</sup> | 4 of 4                                                                              | Real Time PCR     | As above for GCN                                                                      |
| Report Prepared by:                                                | Dr Helen Rees                                                                       | Report Issued by: | Dr Ben Maddison                                                                       |
| Signed:                                                            |  | Signed:           |  |
| Position:                                                          | Director: Biotechnology                                                             | Position:         | MD: Biotechnology                                                                     |
| Date of preparation:                                               | 10/05/2022                                                                          | Date of issue:    | 10/05/2022                                                                            |

*eDNA analysis was carried out in accordance with the stipulated methodology found in the Technical Advice Note (WC1067 Appendix 5 Technical Advice Note) published by DEFRA and adopted by Natural England.*

*\* If all PCR controls and extraction blanks give the expected results a sample is considered: negative for great crested newt if all of the replicates are negative; positive for great crested newt if one or more of the replicates are positive.*

*<sup>†</sup> Recorded as the number of positive replicate reactions at expected C<sub>t</sub> value. If the expected C<sub>t</sub> value is not achieved, the sample is considered inhibited and is diluted as per the technical advice note prior to amplification with great crested newt primer and probes.*

*<sup>§</sup> No degradation is expected within time frame of kit preparation, sample collection and analysis.*

*<sup>#</sup> Additional positive controls (10<sup>-1</sup>, 10<sup>-2</sup>, 10<sup>-3</sup> ng/μL) are also routinely run, results not shown here.*

## Client:

Priors Farm, Stephanie Green, Ethos Environmental Planning  
1040079-SG Ethos, Priors Farm, version 1



RSK ADAS Ltd  
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Sample ID: ADAS-9664

Client Identifier: P3

Grid references/coordinates: Not Supplied

Description: pond water samples in preservative

Condition on Receipt: Low Sediment

Date of Receipt : 28/05/2025

Volume: Passed

| Determinant                                                        | Result                                                                              | Method            | Date of Analysis                                                                     |
|--------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------|--------------------------------------------------------------------------------------|
| Inhibition Control <sup>†</sup>                                    | 2 of 2                                                                              | Real Time PCR     | 06/09/2025                                                                           |
| Degradation Control <sup>§</sup>                                   | Within limits                                                                       | Real Time PCR     | 06/09/2025                                                                           |
| Great Crested Newt*                                                | 1 of 12 (positive)                                                                  | Real Time PCR     | 06/09/2025                                                                           |
| Negative PCR Control (Nuclease Free Water)                         | 0 of 4                                                                              | Real Time PCR     | As above for GCN                                                                     |
| Positive PCR Control (GCN DNA 10 <sup>-1</sup> ng/μL) <sup>#</sup> | 4 of 4                                                                              | Real Time PCR     | As above for GCN                                                                     |
| Report Prepared by:                                                | Dr Helen Rees                                                                       | Report Issued by: | Dr Ben Maddison                                                                      |
| Signed:                                                            |  | Signed:           |  |
| Position:                                                          | Director: Biotechnology                                                             | Position:         | MD: Biotechnology                                                                    |
| Date of preparation:                                               | 09/06/2025                                                                          | Date of issue:    | 09/06/2025                                                                           |

eDNA analysis was carried out in accordance with the stipulated methodology found in the Technical Advice Note (WC1067 Appendix 5 Technical Advice Note) published by DEFRA and adopted by Natural England.

\* If all PCR controls and extraction blanks give the expected results a sample is considered: negative for GCN if all of the replicates are negative; positive for GCN if one or more of the replicates are positive.

<sup>†</sup> Recorded as the number of positive replicate reactions at expected C<sub>t</sub> value. If the expected C<sub>t</sub> value is not

<sup>§</sup> No degradation is expected within time frame of kit preparation, sample collection and analysis.

<sup>#</sup> Additional positive controls (10<sup>-1</sup>, 10<sup>-2</sup>, 10<sup>-3</sup> ng/μL) are also routinely run, results not shown here.

Client:  
Priors Farm, Stephanie Green, Ethos Environmental Planning  
1040079-SG-Ethos, Priors Farm, version 1



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Sample ID: ADAS-9579

Client Identifier: P26      Grid references/coordinates: Not Supplied

Description: pond water samples in preservative      Condition on Receipt: Good

Date of Receipt : 10/06/2025      Volume: Passed

| Determinant                                                           | Result                                                                              | Method            | Date of Analysis                                                                     |
|-----------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------|--------------------------------------------------------------------------------------|
| Inhibition Control <sup>†</sup>                                       | 2 of 2                                                                              | Real Time PCR     | 13/06/2025                                                                           |
| Degradation Control <sup>§</sup>                                      | Within limits                                                                       | Real Time PCR     | 13/06/2025                                                                           |
| Great Crested Newt*                                                   | 0 of 12 (negative)                                                                  | Real Time PCR     | 13/06/2025                                                                           |
| Negative PCR Control<br>(Nuclease Free Water)                         | 0 of 4                                                                              | Real Time PCR     | As above for GCN                                                                     |
| Positive PCR Control (GCN<br>DNA 10 <sup>-4</sup> ng/μL) <sup>#</sup> | 4 of 4                                                                              | Real Time PCR     | As above for GCN                                                                     |
| Report Prepared by:                                                   | Dr Helen Rees                                                                       | Report Issued by: | Dr Ben Maddison                                                                      |
| Signed:                                                               |  | Signed:           |  |
| Position:                                                             | Director: Biotechnology                                                             | Position:         | MD: Biotechnology                                                                    |
| Date of preparation:                                                  | 13/06/2025                                                                          | Date of issue:    | 13/06/2025                                                                           |

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*<sup>†</sup> Recorded as the number of positive replicate reactions at expected C<sub>t</sub> value. If the expected C<sub>t</sub> value is not*

*<sup>§</sup> No degradation is expected within time frame of kit preparation, sample collection and analysis.*

*<sup>#</sup> Additional positive controls (10<sup>-1</sup>, 10<sup>-2</sup>, 10<sup>-3</sup> ng/μL) are also routinely run, results not shown here.*