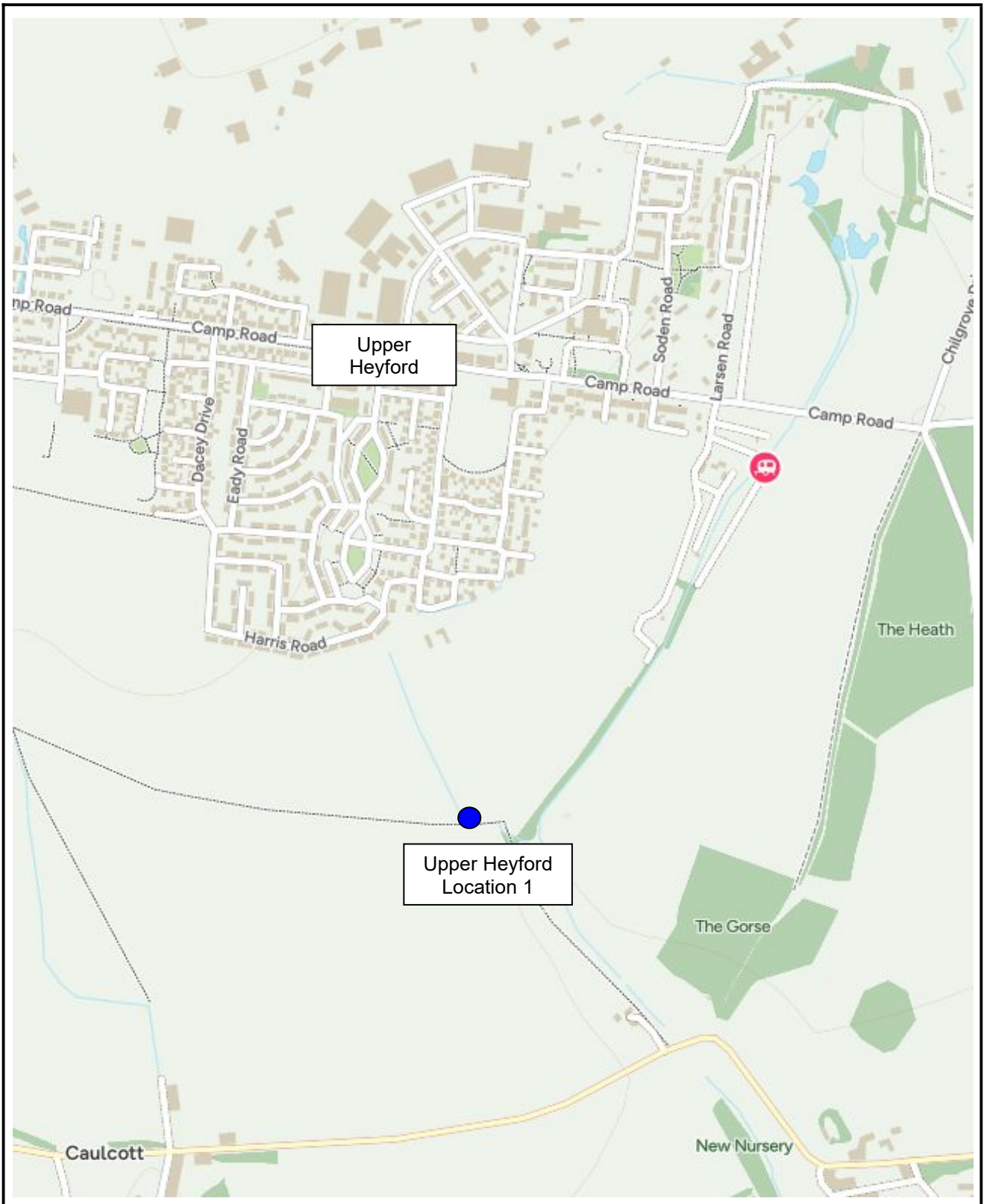


Surface Water Sampling Report for Gallos Brook, near Upper Heyford



13 Triangle Business Park, Stoke Mandeville, HP22 5BL
Tel: 01296 739400 Email: consultants@subadra.com



Client: Upper Heyford Village Hall, Somerton Road, Upper Heyford, Bicester, Oxfordshire OX25 5LB	Figure One: Surface Water Sampling Locations	Our Ref	IN26301 DR 002
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Surface Water Sampling Report for Gallos Brook, near Upper Heyford



13 Triangle Business Park, Stoke Mandeville, HP22 5BL
Tel: 01296 739400 Email: consultants@subadra.com

Project Details

Site Name:	Sampling Location 1	Date of Sampling:	28 th April 2026
Sampling location	Low volume stream, ~400m south of Upper Heyford	Grid reference:	451414,224966
Sampling methods	Containers specifically intended for PFAS testing	Receiving Laboratory	Veritas Laboratory Services (UKAS accredited for PFAS testing)

Chemical Analysis Results: Sampling Location 1

The results for selected compounds are presented in the table below, with the analysis certificate (report number: 2026-1996) included in Attachment Two.

<i>Compound</i>	<i>Units</i>	<i>Concentration</i>
PFHxS Total #	ng/l	3,155
PFHxS Branched #	ng/l	300
PFOA Total #	ng/l	1,088
PFOS Total #	ng/l	27,823
6:2 FTS	ng/l	1,592
8:2 FTS	ng/l	520

Comment on Analysis

The analysis undertaken on the water sample collected from 'Upper Heyford Sampling Location 1' (UHS1) (indicated on the map provided) identified elevated concentrations of a range of PFAS compounds. The suite of compounds detected is highly characteristic of aqueous film-forming foam (AFFF) contamination, typically associated with fire-training areas, airports, military installations and similar facilities, rather than ordinary urban wastewater or diffuse background contamination. In our opinion, the concentrations recorded are sufficiently elevated to indicate the presence of a significant historic source of PFAS contamination.

Concentrations of PFOS recorded at UHS1 (27,823ng/l) are forty times higher than those recorded in samples collected from Leys Farm Ditch, located approximately 4km downstream of Sampling Location 1, carried out by the Environment Agency. The lower downstream concentrations are likely attributable to dilution effects as additional tributaries join the watercourse. Conversely, the substantially higher upstream concentrations strongly suggest the presence of a significant PFAS source relatively close to Sampling Location 1.

The EU/UK annual average Environmental Quality Standard (EQS) for PFOS in inland surface waters is 0.65ng/L. The concentrations recorded at the sampling location are therefore approximately 43,000 times greater than the annual average EQS for PFOS.

For context, comparable PFAS investigations have been undertaken in a stream located downstream of the Fire Service College in Moreton-in-Marsh. From the 1960s through to the early 2000s, the college conducted firefighting training exercises involving the ignition of large hydrocarbon fires, which were extinguished using fire fighting foams. Similar to RAF Upper Heyford, the site also has a military/RAF history dating back to the Second World War. The maximum PFOS concentration reported during that investigation was 1,320 ng/L which, whilst approximately 2,000 times the relevant EQS, is nevertheless an order of magnitude lower than the concentrations we recorded in Sampling Location 1.

Your attention is drawn to the Notice to Interested Parties included as Attachment One

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**ATTACHMENT ONE:
NOTICE TO INTERESTED PARTIES**

NOTICE TO INTERESTED PARTIES

The purpose of our work is to provide general information on the environmental and/or geotechnical conditions existing at the site and related to soil and/or groundwater. The Client or others specified the scope of the investigation and the validity of our conclusions is limited by the scope of work specified. We are not responsible for any such limitations or omissions.

Where stated in this report, we have used information supplied by third parties. While we have evaluated as far as possible the validity of this information, we cannot guarantee its accuracy in any way whatsoever.

No investigation technique is capable of completely identifying all of the contaminants that might be present in the soil or groundwater under a site. Where specified in our report, we have examined the ground by constructing a number of boreholes and/or trial pits. We recovered samples of soil and/or groundwater from available exposures.

The depth and spacing of our sampling locations were selected to ensure with a reasonable probability that they would be representative of the actual conditions across the whole site. However, safety considerations relating to existing site infrastructure may have restricted our ability to investigate all potential contaminant sources. Specifically, we were unable to investigate the soil and groundwater condition immediately adjacent to the underground structures and/or buried services. These limitations must be borne in mind when considering the conclusions reached in this report.

Soil is intrinsically variable and the spread of contaminants within the soil is therefore subject to a degree of non-uniformity. For these reasons no sampling technique can completely eliminate the possibility of obtaining samples that are not representative of the actual conditions. Our sampling techniques are intended to reduce the possibility to an acceptable level, within the limits imposed by the budget and scope of the investigation.

Groundwater levels and soil vapour levels that we report were accurate at the time of the investigation. Groundwater and soil vapour levels are variable. Long term monitoring may be required to ensure that the levels recorded during our investigation are representative of long term and possible 'worst case' conditions. In accepting our recommendations and/or conclusions the Client acknowledges that further, more detailed investigation could allow a more accurate assessment of site conditions to be made and that this would reduce any consequential risk to the Client.

Our investigation was carried out to assess the significance of contamination resulting from use of the site as identified in this report. Unless we have indicated otherwise, no assessment of the potential impact of any other previous uses has been made. No investigation was carried out to determine whether or not any deleterious or hazardous materials (such as asbestos) have been used in the construction of the buildings present on the site. Unless otherwise stated no investigation or assessment has been made of the presence or otherwise of invasive plant species including but not limited to Japanese Knotweed.

Unless specifically stated otherwise, we have not assessed the effect of any proposed future construction activities on existing structures on or near to the site. Nor, unless stated otherwise, have we assessed the likely effect of trees on existing or proposed structures on or near the site.

We do not accept any responsibility for the cost of remedial works or other costs incurred in whatever way whatsoever as a result of any omissions, errors or other shortcomings in this report unless we have been given reasonable opportunity to verify ourselves that such faults exist and we have been given a reasonable opportunity to carry out works to remedy such faults ourselves using the most practicable means available to us. We do not accept liability for any consequential losses incurred by you while either we or others carry out any remedial works we deem necessary.

This report has been prepared for the Client, as specified on the cover page of this report. We do not accept any liability whatsoever to any other third parties unless explicitly agreed by us in writing. In accepting our recommendations and/or conclusions the Client accepts that the terms of our appointment were as detailed in the Proposal, or Proposals, that we provided to the Client before being appointed and that these terms supersede and have precedence over any other terms and/or conditions set out in any contracts agreed between ourselves and the Client, regardless of when such terms and/or conditions were agreed to by us and/or signed by us even if such contracts contain terms that contradict this.

Neither the whole nor any part of this report, or any reference to it, may be included in any published document circular or statement or published in any way without our prior written approval.

This report and its contents, together with any supporting correspondence or other documentation, remain the property of Subadra Consulting Limited until paid for in full. The copyright to this report remains vested in Subadra Consulting Ltd at all times.

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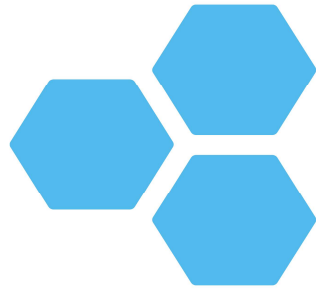
Upper Heyford, Bicester



**ATTACHMENT TWO:
LAB REPORT - SAMPLING LOCATION 1**

Client: Upper Heyford Village Hall

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**VERITAS
LABORATORY
SERVICES**

TEST REPORT

Report Number: 2026-1996

Customer Name : Subadra Consulting Ltd

Customer Address : 13 Triangle Business Park
Stoke Mandeville
HP22 SBL

Order Number : 37179

Additional Reference : -

Issue : 1~

Date of Receipt : 30/04/2026

Date of Analysis : 01/05/2026

Date of Report : 12/05/2026

Sample Type : Surface Water

Customer Sample Identifier : Upper Heyford Location 1 28/04/26

Sample Condition : Conforming

Comments:

Any opinions or interpretations are outside the laboratory's scope of accreditation. The results included within the report are representative of the samples submitted for analysis and are expressed on as received basis, unless otherwise stated. This certificate shall not be reproduced, except in full, without the prior written approval of VLS. Customer name, address, order number, additional reference and sample identifier as provided by the customer.

~Customer requested amended sample type.

Approved by : Karolina Pettit

Position : Director

Signature : *K. Pettit*



26667

Results PFAS

Sample Type : Surface Water
 Test Report Number : 2026-1996
 Customer Sample Identifier : Upper Heyford Location 1 28/04/26
 Sample Condition : Conforming
 Test Method : VLS SOP 021

PFAS Compound	MDLs	Units	Conc.
3:3 FTCA	2	ng/l	ND
4:2 FTSA; 4:2 FTS	1	ng/l	4.72
PFecHS	1	ng/l	ND
5:3 FTCA	2	ng/l	8.5
6:2 FTSA; 6:2 FTS ^	1	ng/l	1592
7:3 FTCA	2	ng/l	ND
8:2 FTSA; 8:2 FTS ^	1	ng/l	520
6:2 Cl-PFESA; 9Cl-PF3ONS	1	ng/l	ND
10:2 FTS	1	ng/l	ND
8:2 Cl-PFESA; 11Cl-PF3OUdS	1	ng/l	ND
DONA; ADONA	1	ng/l	ND
EtFOSE ^	1	ng/l	ND
FBSA	1	ng/l	185
FHxSA	1	ng/l	4320
FOSAA	1	ng/l	5.08
HFPO-DA (Gen X)	1	ng/l	ND
HFPO-TA	1	ng/l	ND
EtFOSA; N-EtFOSA ^	1	ng/l	ND
NEtFOSAA; EtFOSAA ^	1	ng/l	ND
NFDHA	1	ng/l	ND
MeFOSA; N-MeFOSA ^	1	ng/l	ND
NMeFOSAA; MeFOSAA ^	1	ng/l	ND
MeFOSE ^	1	ng/l	ND
PFBA	1	ng/l	160
PFBS	1	ng/l	95.2
PFDA	1	ng/l	12.6
PFDoA	1	ng/l	1.21
PFDoS	1	ng/l	ND
PFDS	1	ng/l	2.97
PFEEESA	1	ng/l	ND
PFHpA	1	ng/l	263
PFHpS	1	ng/l	249
PFHxA	1	ng/l	829
PFHxDA	1	ng/l	ND
PFHxS Linear	1	ng/l	2854
PFHxS Branched #	1	ng/l	300
PFHxS Total #	1	ng/l	3155
PFMOBA	1	ng/l	ND
PFMOPrA	1	ng/l	ND

Results PFAS

Sample Type : Surface Water
Test Report Number : 2026-1996
Customer Sample Identifier : Upper Heyford Location 1 28/04/26
Sample Condition : Conforming
Test Method : VLS SOP 021

PFAS Compound	MDLs	Units	Conc.
PFNA	1	ng/l	75.7
PFNS	1	ng/l	26.8
PFOA Linear	1	ng/l	1006
PFOA Branched #	1	ng/l	81.5
PFOA Total #	1	ng/l	1088
PFODA	1	ng/l	ND
PFOS Linear	1	ng/l	17046
PFOS Branched #	1	ng/l	10776
PFOS Total #	1	ng/l	27823
FOSA (PFOSA) ^	1	ng/l	479
PFPeA	1	ng/l	740
PFPeS	1	ng/l	148
PFTeA	1	ng/l	ND
PFTrDA (PFTriA)	1	ng/l	ND
PFUdA; PFUnA	1	ng/l	1.36
PFUnDS	1	ng/l	ND
6:2 FTAB #	1	ng/l	392

ND - not detected

Non Accredited

^ The recovery of ES standard either <70% or >130%

NB - The above does not affect the results as recoveries % within EPA1633 method range.