

LONGITUDINAL SECTION - Stratfield Farm Path HORZ SCALE 1: 1000 VERT SCALE 1: 100

	© Buro Happold Limited or its group companies. All Rights reserved. Buro Happold and its group companies assert (unless otherwise agreed in writing) their rights under s.77 to 89 of the Copyright, Designs and Patents Act 1988.
	DO NOT SCALE THIS DRAWING. HEALTH AND SAFETY INFORMATION IN ADDITION TO THE HAZARDS/RISKS NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING, NOTE THE FOLLOWING CONSTRUCTION
	CONSTRUCTION.
	MAINTENANCE/CLEANING/OPERATION.
	DECOMMISSIONING/DEMOLITION.
THE TO PALL	
Jass John	
ED DEVELOPMENT	
IOR OAK HOMES)	
-	
	P02 ISSUED FOR INFORMATION 22.03.2023 D.G. T.W. T.W.
	P01 ISSUED FOR INFORMATION 17.03.2023 D.G. T.W. Rev Description Date Iss'd Rev'd App'd
	CONCEPT
	Project Stage
	INFORMATION
	Status of Drawing
	BURO HAPPOLD
2 1 0 2 4 6 8	17 Newman Street Tel: +44 (0)20 7927 9700 London Fax: +44 (0)870 787 4145 W1T 1PD Email: 0052188@burohappold.com UK Web: www.burohappold.com UK Web: www.burohappold.com Client Oxford University Development (OUD) Ltd Architect HAWKINS BROWN Project BEGBROKE PARK Drg Title PR7B SITE CONNECTION OPTION 2 - SHARED PATH PLAN & LONGITUDINAL SECTION Job No. Scale@A0 AS SHOWN Drawn/Designed By. Checked By. D.GROVER T.WHITER Drawing No. Checked By. BEG-BUR-XX-XX-SK-CE-0005 Revision
SCALE BEFORE REDUCTION	WTT TPD Email: 0052188@burohappold.com UK Web: www.burohappold.com Client Oxford University Development (OUD) Ltd Arabitant HAW/KINS BROW/N
20 10 0 20 40 60 80	Architect HAWKINS BROWN Project BEGBROKE PARK Drg Title PR7B SITE CONNECTION
SCALE BEFORE REDUCTION 100 50 0 100 100 50 0 100	OPTION 2 - SHARED PATH PLAN & LONGITUDINAL SECTION
SCALE BEFORE REDUCTION	Job No. Scale@A0 0052188 AS SHOWN
Ordnance Survey, (c) Crown Copyright 2022. All rights reserved. Licence number 100038864	Drawn/Designed By. D.GROVER T.WHITER D.GROVER



Appendix B Desk Study Research Information

Begbroke Innovation District | Oxford University Development Limited | Desk Study Review and Ground Investigation | 19114-HYD-XX-XX-RP-GE-01002-S2-P08 | 27 June 2023



Date: 02/06/2021

Direction Photograph Taken: West

Description: Road Entrance to Begbroke Science Park







Desk Study Photograph 3 Date: 02/06/2021 Direction Photograph Taken: East East Description: Entrance to field 17.



Begbroke Oxfordshire | Oxford University Developments | Desk Study Review & Ground Investigation | 19114-HYD-XX-XX-RP-GE-01002



Date: 02/06/2021

Direction Photograph Taken:

South

Description: Entrance to field 18







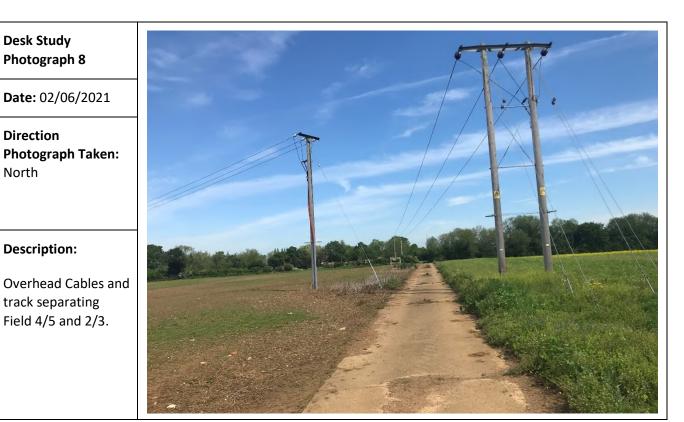
Date: 02/06/2021

Direction Photograph Taken: East

Description:

Field 4 southern boundary along Begbroke Science Park.







Date: 02/06/2021

Direction Photograph Taken: West

Description:

Field 2







Date: 02/06/2021

Direction Photograph Taken: North

Description:

Entrance to Figure 6





Hydrock

Desk Study Photograph 13

Date: 02/06/2021

Direction Photograph Taken: North

Description: Manhole cover associated with underground sewer







Date: 02/06/2021

Direction Photograph Taken: East

Description:

Overview of field 7.



Desk Study Photograph 16

Date: 02/06/2021

Direction Photograph Taken: South

Description:

Field boundary over Rowel Brook between field 7 and 8.





Date: 02/06/21

Direction Photograph Taken: East

Description:

Field 8 (north)







Date: 02/06/21

Direction Photograph Taken: South

Description:

Field 8.







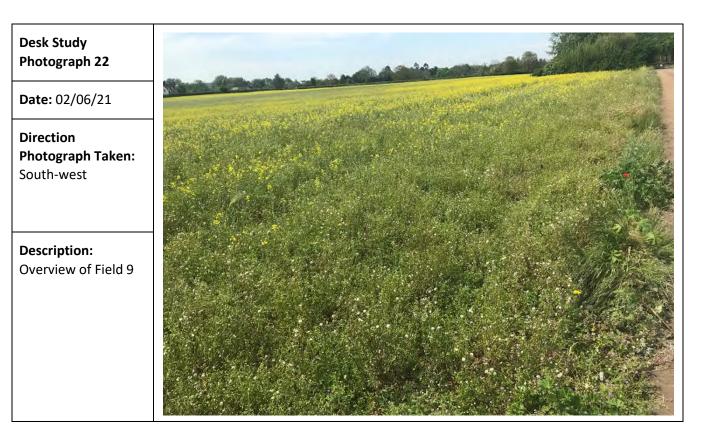
Date: 02/06/21

Direction Photograph Taken: East

Description:

Looking east to Parkers Farm from Field 8.







Date: 02/06/21

Direction Photograph Taken: East

Description: East towards Parkers Farm and railway line.







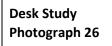
Date: 02/06/21

Direction Photograph Taken: South

Description:

Overview of Field 11.





Date: 02/06/21

Direction Photograph Taken: South

Description:

Overview of field 12 / 13





Date: 19/08/21

Direction Photograph Taken: Looking south from the site entrance

Description: Site from the entrance, large boulder in foreground.

(Landfill)



Desk Study Photograph 28

Date: 19/08/21

Direction Photograph Taken: Looking north from southern site boundary.

Description: Site from the southern boundary.

(Landfill)



Hydrock

Desk Study Photograph 29

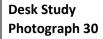
Date: 19/08/21

Direction Photograph Taken: Looking east from western site boundary.

Description: Site from the western site boundary. Trees on eastern boundary.

(Landfill)





Date: 19/08/21

Direction Photograph Taken: Looking south.

Description: Showing the south western corner of site and overhead lines on the western boundary.

(Landfill)





Date: 19/08/21

Direction Photograph Taken: Looking north east.

Description: Showing the north eastern corner of the site.

(Landfill)





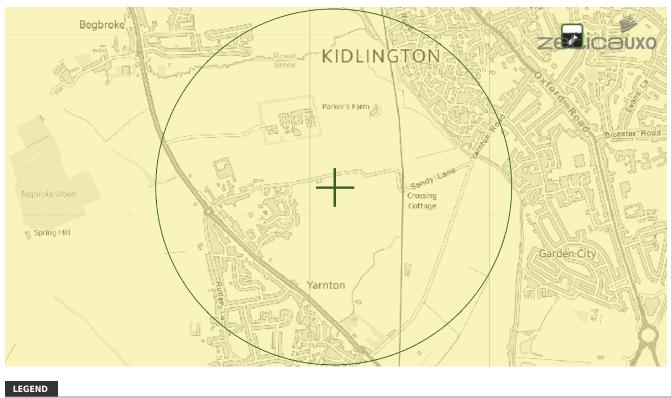


Zetica UXB Risk Maps



SITE LOCATION

Map Centre: 448145,213158



High: Areas indicated as having a bombing density of 50 bombs per 1000acre or higher.

 ${\bf Moderate:}$ Areas indicated as having a bombing density of 15 to 49 bombs per 1000acre.

Low: Areas indicated as having 15 bombs per 1000acre or less.



How to use your Unexploded Bomb (UXB) risk map?

The map indicates the potential for Unexploded Bombs (UXB) to be present as a result of World War Two (WWII) bombing.

You can incorporate the map into your preliminary risk assessment* for potential Unexploded Ordnance (UXO) for a site. Using this map, you can make an informed decision as to whether more in-depth detailed risk assessment* is necessary.

What do I do if my site is in a moderate or high risk area?

Generally, we recommend that a detailed UXO desk study and risk assessment is undertaken for sites in a moderate or high UXB risk area.

Similarly, if your site is near to a designated Luftwaffe target or bombing decoy then additional detailed research is recommended.

More often than not, this further detailed research will conclude that the potential for a significant UXO hazard to be present on your site is actually low.

Never plan site work or undertake a risk assessment using these maps alone. More detail is required, particularly where there may be a source of UXO from other military operations which are not reflected on these maps.

If my site is in a low risk area, do I need to do anything? If both the map and other research confirms that there is a low potential for UXO to be present on your site then, subject to your own comfort and risk tolerance, works can proceed with no special precautions.

A low risk really means that there is no greater probability of encountering UXO than anywhere else in the UK.

If you are unsure whether other sources of UXO may be present, you can ask for one of our **pre-desk study assessments (PDSA)**

If I have any questions, who do I contact?

tel: +44 (0) 1993 886682

email: uxo@zetica.com

web: www.zeticauxo.com

The information in this UXB risk map is derived from a number of sources and should be used in conjunction with the accompanying notes on our website: (https://zeticauxo.com/downloads-and-resources/risk-maps/)

Zetica cannot guarantee the accuracy or completeness of the information or data used and cannot accept any liability for any use of the maps. These maps can be used as part of a technical report or similar publication, subject to acknowledgment. The copyright remains with Zetica Ltd.

It is important to note that this map is not a UXO risk assessment and should not be reported as such when reproduced.

*Preliminary and detailed UXO risk assessments are advocated as good practice by industry guidance such as CIRIA C681 'Unexploded Ordnance (UXO), a guide for the construction industry'.



Radon Reports

Begbroke Innovation District | Oxford University Development Limited | Desk Study Review and Ground Investigation | 19114-HYD-XX-XX-RP-GE-01002-S2-P08 | 27 June 2023



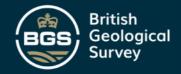
Geological Survey

Kate Hayward Hydrock **Over Court Barns** Over Lane Almondsbury Bristol **BS32 4DF**

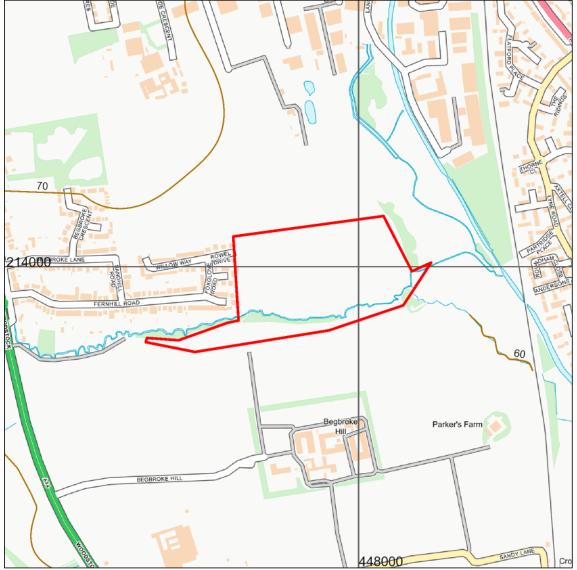
Radon Report

Advisory report on the requirement for radon protective measures in new buildings, conversions and extensions to existing buildings. The report also indicates whether a site is located within a radon Affected Area

Report Id: BGS 331991/43780 Client reference: Begbroke

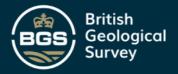


Search location



Contains OS data © Crown Copyright and database right 2023. OS OpenMap Local: Scale: 1:10 000 (1cm = 100 m) Search location indicated in red

This report describes a site located at National Grid Reference 447815, 213954. Note that for sites of irregular shape, this point may lie outside the site boundary. Where the client has submitted a site plan the assessment will be based on the area given.



Radon Report: UK

When extensions are made to existing buildings in high radon areas, or new buildings are constructed in these areas, the Building Regulations for England, Wales, Scotland and Northern Ireland require that protective measures are taken against radon entering the building.

This report provides information on whether radon protective measures are required. Depending on the probability of buildings having high radon levels, the Regulations may require either:

- 1. No protective measures
- 2. Basic protective measures
- 3. Full protective measures

This is an advisory report on the requirement for radon protective measures in new buildings, conversions and extensions. The report also indicates whether a site is located within a radon Affected Area

Requirement for radon protective measures

The determination below follows advice in *BR211 Radon: Guidance on protective measures for new buildings (2015 edition), which also provides guidance on what to do if the* result *indicates that protective measures are required.*

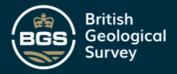
Is the property in an area where radon protective measures are required for new buildings or extensions to existing ones as described in publication BR211 (2015 edition) Radon: Guidance on protective measures for new buildings?

FULL RADON PROTECTIVE MEASURES ARE REQUIRED FOR THE REPORT AREA.

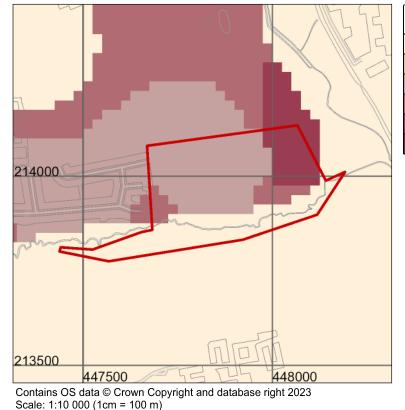
More details of the protective measures required are available in *BR211 Radon: Guidance on protective measures for new buildings (2015 Edition).* Additional information and guidance is available from the Building Research Establishment website (<u>http://www.bre.co.uk/radon/).</u>

Whether or not the radon level in a building is above or below the radon Action Level can only be established by having the building tested. The UKHSA provides a radon testing service which can be accessed at www.ukradon.org or by telephone (01235 822622).

If you require further information or guidance, you should contact your local authority building control officer or approved inspector.



Radon Affected Area



% Homes estimated to be at or above the action level
0-1%
1-3%
3-5%
5-10%
10-30%
30-100%

Is the property in a radon Affected Area as defined by the UK Health Security Agency (UKHSA) and if so what percentage of homes are estimated to be at or above the Action Level? YES

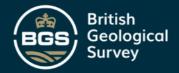
Additional Information

Search area indicated in red

THE PROPERTY IS IN A RADON AFFECTED AREA WHERE 10 TO 30% OF HOMES ARE ESTIMATED TO BE AT OR ABOVE THE ACTION LEVEL.

The UKHSA recommends a radon 'Action Level' of 200 Becquerels per cubic metre of air (Bq m⁻³) for the annual average of the radon gas concentration in a home. Where 1% or more of homes are estimated to be at or above the Action Level the area should be regarded as a radon Affected Area.

This report informs you whether the property is in a radon Affected Area and the percentage of homes that are estimated to be at or above the radon Action Level at this location. Being in an Affected Area does not necessarily mean there is a high radon level within the property; the only way to determine the radon level is to carry out a radon measurement.



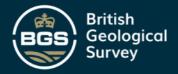
The UKHSA advises that radon gas should be measured in all properties within radon Affected Areas and that homes with radon levels at or above the Action Level (200 Bq m⁻³) should be remediated. Householders with levels between the Target Level (100 Bq m⁻³) and Action Level should seriously consider reducing their radon level, especially if they are at greater risk, such as if they are current or ex smokers. Whether or not a home is in fact above or below the Action Level or Target Level can only be established by having the building tested. The UKHSA provides a validated radon testing service which can be accessed at www.ukradon.org.

The information in this report provides an answer to one of the standard legal enquiries on house purchase in England and Wales, known as Law Society CON29 Enquiries of the Local Authority (2016); 3.14 Radon Gas: Do records indicate that the property is in a "Radon Affected Area" as identified by the UKHSA. The data can also be used to advise house buyers and sellers in Scotland and Northern Ireland.

If you are buying a new build property in a Radon Affected Area, you should ask the builder whether radon protective measures were incorporated in the construction of the property.

If you are buying a currently occupied property in a radon Affected Area, you should ask the present owner whether radon levels have been measured in the property. If they have, ask whether the results were at or above the radon Action Level and if so, whether remedial measures were installed, radon levels were re-tested, and if the results of re-testing confirmed the effectiveness of the measures.

Further information on radon is available from the UKHSA at www.ukradon.org.



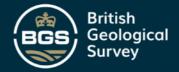
What is radon?

Radon is a naturally occurring radioactive gas, which is produced by the radioactive decay of radium which, in turn, is derived from the radioactive decay of uranium. Uranium is found in small quantities in all soils and rocks, although the amount varies from place to place. Radon released from rocks and soils is quickly diluted in the atmosphere. Concentrations in the open air are normally very low and do not present a hazard. Radon that enters enclosed spaces such as some buildings (particularly basements), caves, mines, and tunnels may reach high concentrations in some circumstances. The construction method and degree of ventilation will influence radon levels in individual buildings. A person's exposure to radon will also vary according to how particular buildings and spaces are used.

Inhalation of the radioactive decay products of radon gas increases the chance of developing lung cancer. If individuals are exposed to high concentrations for significant periods of time, there may be cause for concern. In order to limit the risk to individuals, the Government has adopted an Action Level for radon in homes of 200 becquerels per cubic metre (Bq m⁻³). The Government advises householders that, where the radon level is at or above the Action Level, measures should be taken to reduce the concentration.

Radon in workplaces

The Ionising Radiation Regulations 2017 require employers to take action when radon is present above a defined level in the workplace. Advice may be obtained from your local Health and Safety Executive Area Office or the Environmental Health Department of your local authority. The BRE publishes a guide (BR293): **Radon in the workplace**. BRE publications may be obtained from the BRE Bookshop, Tel: 01923 664262, email: bookshop@bre.co.ukwebsite: www.brebookshop.com



Contact Details

Keyworth Office

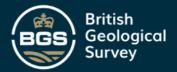
British Geological Survey Environmental Science Centre Nicker Hill Keyworth Nottingham NG12 5GG Tel: 0115 9363143 Email: enquiries@bgs.ac.uk

Wallingford Office

British Geological Survey Maclean Building Wallingford Oxford OX10 8BB Email: enquiries@bgs.ac.uk

Edinburgh Office

British Geological Survey Lyell Centre Research Avenue South Edinburgh EH14 4AP Tel: 0131 6671000 Email: enquiry@bgs.ac.uk



Terms and Conditions

General Terms & Conditions

This Report is supplied in accordance with the GeoReports Terms & Conditions available on the BGS website at <u>https://shop.bgs.ac.uk/georeports</u> and also available from the BGS Enquiry Service at the above address.

Important notes about this Report

- The data, information and related records supplied in this Report by BGS can only be indicative and should not be taken as a substitute for specialist interpretations, professional advice and/or detailed site investigations. You must seek professional advice before making technical interpretations on the basis of the materials provided.
- Geological observations and interpretations are made according to the prevailing understanding of the subject at the time. The quality of such observations and interpretations may be affected by the availability of new data, by subsequent advances in knowledge, improved methods of interpretation, and better access to sampling locations.
- Raw data may have been transcribed from analogue to digital format, or may have been acquired by means of
 automated measuring techniques. Although such processes are subjected to quality control to ensure reliability
 where possible, some raw data may have been processed without human intervention and may in consequence
 contain undetected errors.
- Detail, which is clearly defined and accurately depicted on large-scale maps, may be lost when small-scale maps are derived from them.
- Although samples and records are maintained with all reasonable care, there may be some deterioration in the long term.
- The most appropriate techniques for copying original records are used, but there may be some loss of detail and dimensional distortion when such records are copied.
- Data may be compiled from the disparate sources of information at BGS's disposal, including material donated to BGS by third parties, and may not originally have been subject to any verification or other quality control process.
- Data, information and related records, which have been donated to BGS, have been produced for a specific
 purpose, and that may affect the type and completeness of the data recorded and any interpretation. The nature
 and purpose of data collection, and the age of the resultant material may render it unsuitable for certain
 applications/uses. You must verify the suitability of the material for your intended usage.
- If a report or other output is produced for you on the basis of data you have provided to BGS, or your own data
 input into a BGS system, please do not rely on it as a source of information about other areas or geological
 features, as the report may omit important details.
- The topography shown on any map extracts is based on the latest OS mapping and is not necessarily the same
 as that used in the original compilation of the BGS geological map, and to which the geological linework available
 at that time was fitted.
- Note that for some sites, the latest available records may be historical in nature, and while every effort is made to
 place the analysis in a modern geological context, it is possible in some cases that the detailed geology at a site
 may differ from that described.

Copyright:

Copyright in materials derived from the British Geological Survey's work, is owned by UK Research and Innovation (UKRI) and/ or the authority that commissioned the work. You may not copy or adapt this publication, or provide it to a third party, without first obtaining UKRI's permission, but if you are a consultant purchasing this report solely for the purpose of providing advice to your own individual client you may incorporate it unaltered into your report to that client without further permission, provided you give a full acknowledgement of the source. Please contact the BGS Copyright Manager, British Geological Survey, Environmental Science Centre, Nicker Hill, Keyworth, Nottingham NG12 5GG. Telephone: 0115 936 3100.

© UKRI 2023 All rights reserved.

This product includes mapping data licensed from the Ordnance Survey® with the permission of the Controller of Her Majesty's Stationery Office. © Crown Copyright 2023. All rights reserved. Licence number 100021290 EUL



Report issued by BGS Enquiry Service

Date: 29 March 2023 © UKRI, 2023. All rights reserved. BGS 331991/43780 Page: 8 of 8 BGS Report No:



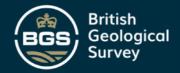
Geological Survey

Kate Hayward Hydrock **Over Court Barns** Over Lane Almondsbury Bristol **BS32 4DF**

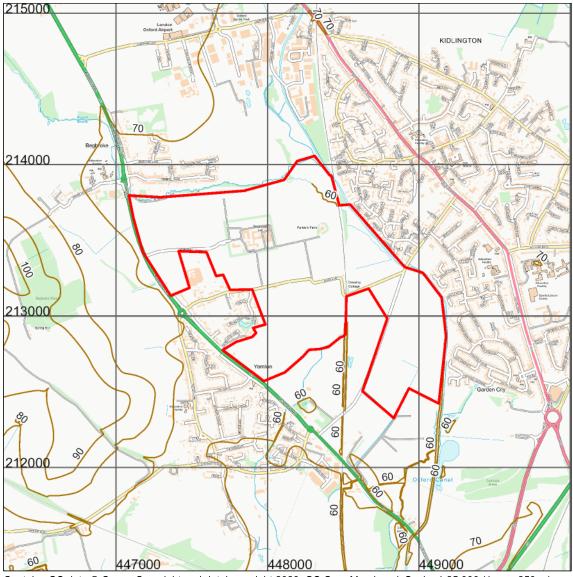
Radon Report

Advisory report on the requirement for radon protective measures in new buildings, conversions and extensions to existing buildings. The report also indicates whether a site is located within a radon Affected Area

Report Id: BGS 331991/43779 Client reference: Begbroke

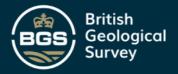


Search location



Contains OS data © Crown Copyright and database right 2023. OS OpenMap Local: Scale: 1:25 000 (1cm = 250 m) Search location indicated in red

This report describes a site located at National Grid Reference 448132, 213192. Note that for sites of irregular shape, this point may lie outside the site boundary. Where the client has submitted a site plan the assessment will be based on the area given.



Radon Report: UK

When extensions are made to existing buildings in high radon areas, or new buildings are constructed in these areas, the Building Regulations for England, Wales, Scotland and Northern Ireland require that protective measures are taken against radon entering the building.

This report provides information on whether radon protective measures are required. Depending on the probability of buildings having high radon levels, the Regulations may require either:

- 1. No protective measures
- 2. Basic protective measures
- 3. Full protective measures

This is an advisory report on the requirement for radon protective measures in new buildings, conversions and extensions. The report also indicates whether a site is located within a radon Affected Area

Requirement for radon protective measures

The determination below follows advice in *BR211 Radon: Guidance on protective measures for new buildings (2015 edition), which also provides guidance on what to do if the* result *indicates that protective measures are required.*

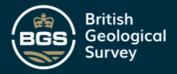
Is the property in an area where radon protective measures are required for new buildings or extensions to existing ones as described in publication BR211 (2015 edition) Radon: Guidance on protective measures for new buildings?

NO RADON PROTECTIVE MEASURES ARE REQUIRED FOR THE REPORT AREA.

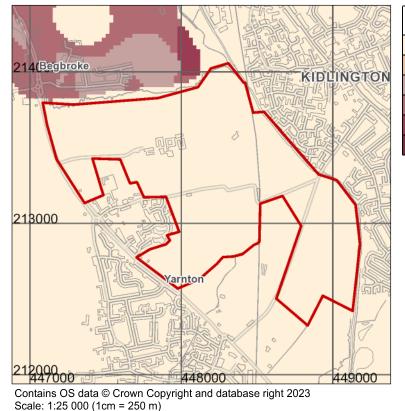
More details of the protective measures required are available in *BR211 Radon: Guidance on protective measures for new buildings (2015 Edition).* Additional information and guidance is available from the Building Research Establishment website (<u>http://www.bre.co.uk/radon/).</u>

Whether or not the radon level in a building is above or below the radon Action Level can only be established by having the building tested. The UKHSA provides a radon testing service which can be accessed at www.ukradon.org or by telephone (01235 822622).

If you require further information or guidance, you should contact your local authority building control officer or approved inspector.



Radon Affected Area



% Homes estimated to be at
or above the action level
0-1%
1-3%
3-5%
5-10%
10-30%
30-100%

Is the property in a radon Affected Area as defined by the UK Health Security Agency (UKHSA) and if so what percentage of homes are estimated to be at or above the Action Level? NO

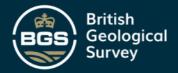
Additional Information

Search area indicated in red

THE PROPERTY IS IN AN AREA WHERE LESS THAN 1% OF HOMES ARE ESTIMATED TO BE AT OR ABOVE THE ACTION LEVEL. THE PROPERTY IS NOT IN A RADON AFFECTED AREA.

The UKHSA recommends a radon 'Action Level' of 200 Becquerels per cubic metre of air (Bq m⁻³) for the annual average of the radon gas concentration in a home. Where 1% or more of homes are estimated to be at or above the Action Level the area should be regarded as a radon Affected Area.

This report informs you whether the property is in a radon Affected Area and the percentage of homes that are estimated to be at or above the radon Action Level at this location. Being in an Affected Area does not necessarily mean there is a high radon level within the property; the only way to determine the radon level is to carry out a radon measurement.



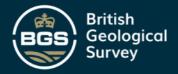
The UKHSA advises that radon gas should be measured in all properties within radon Affected Areas and that homes with radon levels at or above the Action Level (200 Bq m⁻³) should be remediated. Householders with levels between the Target Level (100 Bq m⁻³) and Action Level should seriously consider reducing their radon level, especially if they are at greater risk, such as if they are current or ex smokers. Whether or not a home is in fact above or below the Action Level or Target Level can only be established by having the building tested. The UKHSA provides a validated radon testing service which can be accessed at www.ukradon.org.

The information in this report provides an answer to one of the standard legal enquiries on house purchase in England and Wales, known as Law Society CON29 Enquiries of the Local Authority (2016); 3.14 Radon Gas: Do records indicate that the property is in a "Radon Affected Area" as identified by the UKHSA. The data can also be used to advise house buyers and sellers in Scotland and Northern Ireland.

If you are buying a new build property in a Radon Affected Area, you should ask the builder whether radon protective measures were incorporated in the construction of the property.

If you are buying a currently occupied property in a radon Affected Area, you should ask the present owner whether radon levels have been measured in the property. If they have, ask whether the results were at or above the radon Action Level and if so, whether remedial measures were installed, radon levels were re-tested, and if the results of re-testing confirmed the effectiveness of the measures.

Further information on radon is available from the UKHSA at www.ukradon.org.



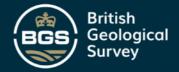
What is radon?

Radon is a naturally occurring radioactive gas, which is produced by the radioactive decay of radium which, in turn, is derived from the radioactive decay of uranium. Uranium is found in small quantities in all soils and rocks, although the amount varies from place to place. Radon released from rocks and soils is quickly diluted in the atmosphere. Concentrations in the open air are normally very low and do not present a hazard. Radon that enters enclosed spaces such as some buildings (particularly basements), caves, mines, and tunnels may reach high concentrations in some circumstances. The construction method and degree of ventilation will influence radon levels in individual buildings. A person's exposure to radon will also vary according to how particular buildings and spaces are used.

Inhalation of the radioactive decay products of radon gas increases the chance of developing lung cancer. If individuals are exposed to high concentrations for significant periods of time, there may be cause for concern. In order to limit the risk to individuals, the Government has adopted an Action Level for radon in homes of 200 becquerels per cubic metre (Bq m⁻³). The Government advises householders that, where the radon level is at or above the Action Level, measures should be taken to reduce the concentration.

Radon in workplaces

The Ionising Radiation Regulations 2017 require employers to take action when radon is present above a defined level in the workplace. Advice may be obtained from your local Health and Safety Executive Area Office or the Environmental Health Department of your local authority. The BRE publishes a guide (BR293): **Radon in the workplace**. BRE publications may be obtained from the BRE Bookshop, Tel: 01923 664262, email: bookshop@bre.co.ukwebsite: www.brebookshop.com



Contact Details

Keyworth Office

British Geological Survey Environmental Science Centre Nicker Hill Keyworth Nottingham NG12 5GG Tel: 0115 9363143 Email: enquiries@bgs.ac.uk

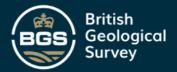
Wallingford Office

British Geological Survey Maclean Building Wallingford Oxford OX10 8BB Email: enquiries@bgs.ac.uk

Edinburgh Office

British Geological Survey Lyell Centre Research Avenue South Edinburgh EH14 4AP Tel: 0131 6671000 Email: enquiry@bgs.ac.uk

GeoReports



Terms and Conditions

General Terms & Conditions

This Report is supplied in accordance with the GeoReports Terms & Conditions available on the BGS website at <u>https://shop.bgs.ac.uk/georeports</u> and also available from the BGS Enquiry Service at the above address.

Important notes about this Report

- The data, information and related records supplied in this Report by BGS can only be indicative and should not be taken as a substitute for specialist interpretations, professional advice and/or detailed site investigations. You must seek professional advice before making technical interpretations on the basis of the materials provided.
- Geological observations and interpretations are made according to the prevailing understanding of the subject at the time. The quality of such observations and interpretations may be affected by the availability of new data, by subsequent advances in knowledge, improved methods of interpretation, and better access to sampling locations.
- Raw data may have been transcribed from analogue to digital format, or may have been acquired by means of
 automated measuring techniques. Although such processes are subjected to quality control to ensure reliability
 where possible, some raw data may have been processed without human intervention and may in consequence
 contain undetected errors.
- Detail, which is clearly defined and accurately depicted on large-scale maps, may be lost when small-scale maps are derived from them.
- Although samples and records are maintained with all reasonable care, there may be some deterioration in the long term.
- The most appropriate techniques for copying original records are used, but there may be some loss of detail and dimensional distortion when such records are copied.
- Data may be compiled from the disparate sources of information at BGS's disposal, including material donated to BGS by third parties, and may not originally have been subject to any verification or other quality control process.
- Data, information and related records, which have been donated to BGS, have been produced for a specific
 purpose, and that may affect the type and completeness of the data recorded and any interpretation. The nature
 and purpose of data collection, and the age of the resultant material may render it unsuitable for certain
 applications/uses. You must verify the suitability of the material for your intended usage.
- If a report or other output is produced for you on the basis of data you have provided to BGS, or your own data
 input into a BGS system, please do not rely on it as a source of information about other areas or geological
 features, as the report may omit important details.
- The topography shown on any map extracts is based on the latest OS mapping and is not necessarily the same
 as that used in the original compilation of the BGS geological map, and to which the geological linework available
 at that time was fitted.
- Note that for some sites, the latest available records may be historical in nature, and while every effort is made to
 place the analysis in a modern geological context, it is possible in some cases that the detailed geology at a site
 may differ from that described.

Copyright:

Copyright in materials derived from the British Geological Survey's work, is owned by UK Research and Innovation (UKRI) and/ or the authority that commissioned the work. You may not copy or adapt this publication, or provide it to a third party, without first obtaining UKRI's permission, but if you are a consultant purchasing this report solely for the purpose of providing advice to your own individual client you may incorporate it unaltered into your report to that client without further permission, provided you give a full acknowledgement of the source. Please contact the BGS Copyright Manager, British Geological Survey, Environmental Science Centre, Nicker Hill, Keyworth, Nottingham NG12 5GG. Telephone: 0115 936 3100.

© UKRI 2023 All rights reserved.

This product includes mapping data licensed from the Ordnance Survey® with the permission of the Controller of Her Majesty's Stationery Office. © Crown Copyright 2023. All rights reserved. Licence number 100021290 EUL



Report issued by BGS Enquiry Service

Date: 29 March 2023 © UKRI, 2023. All rights reserved. BGS 331991/43779 Page: 8 of 8 BGS Report No:



Reports prepared by others

White Young Green Limited February 2018. 'Rushy Meadows SSSI-Hydrological & Hydrogeological Desk Top Study (DTS)'. Ref: A106710, undertaken for Cherwell District Council.

Jubb Consulting Engineers Limited December 2019. 'Land at Begbroke, Begbroke. Ground Conditions Assessment Report', Ref: 18182-DTS-011, undertaken for Begbroke Tripartite, Oxfordshire

Jubb Consulting Engineers Limited December 2019. 'Land at Begbroke, Begbroke. Ground Conditions Assessment Report', Ref: 18182-GCA-1 undertaken for Begbroke Tripartite, Oxfordshire.

The above documents are not included to reduce the file size but available on request.



White Young Green Limited February 2018. 'Rushy Meadows SSSI-Hydrological & Hydrogeological Desk Top Study (DTS)'. Ref: A106710



Cherwell District Council

Rushy Meadows SSSI – Hydrological & Hydrogeological Desk Top Study (DTS)

February 2018



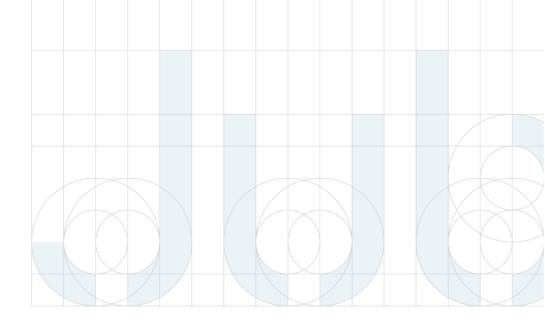
www.wyg.com

creative minds safe hands



Jubb Consulting Engineers Limited December 2019. 'Land at Begbroke, Begbroke. Ground Conditions Assessment Report', Ref: 18182-DTS-011.

Phase 1 Desk Study Report



Land at Begbroke, Oxfordshire



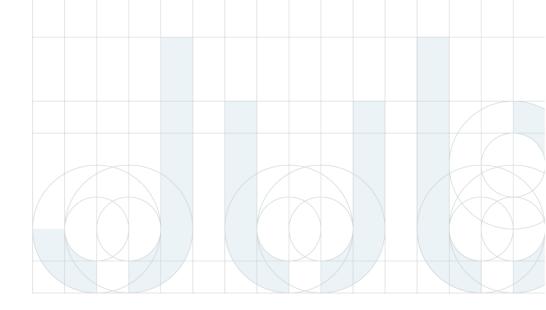
PREPARED BY: Jubb Consulting Engineers Ltd. FOR: The Tripartite

рате: Мау 2018 reference: 18182-DTS-01



Jubb Consulting Engineers Limited December 2019. 'Land at Begbroke, Begbroke. Ground Conditions Assessment Report', Ref: 18182-GCA-1.

Ground Conditions Assessment Report



Begbroke Tripartite, Oxfordshire



PREPARED BY: Jubb Consulting Engineers Ltd. FOR: Begbroke Tripartite December 2019

reference: 18182-GCA-1



Appendix C Exploratory Hole Logs and Photographs



Exploratory Hole Logs

				Project	: Beg	gbrol	ke				oreho BH		0	
Hydı	rock										je No	-	of 1	
Method: C	Cable Percus	ssion		Date(s): 1	8/08/20	021		Logged By: I	-	Ť			PJD	rilling
		ity Developme	ent	Co-ords: 4			13195.8				lush	-		
	roject No: C			Ground Le				,			Scale		50	
.,	Samples / T		- s											4 9
Depth (m)	Туре	Results	Water- Strikes			Stra	atum Deso	cription		Depth mbgl	Thickness (m)	Level n OD	Legend	Instrum- entation
				angular to sub-ro	unded fin	e and m		igh root content. Gravel is and sandstone.	sub-	0.30	(0.30)	67.36		
0.50	В						tly sandy C	LAY with rare gravels of s	ub-angular	1	(0.30)			Í
0.50	ES			fine coal. (MADE GROUNI	D - GENE	RAL)	<u> </u>			0.60		67.06		Ž
1.00	D				and brick	with fre		ed fragments of medium a ic bottles, glass bottles, pl		-				Š
				(LANDFILL - MA										Š
1.50	ES													
										-				Š.
2.00	D								2	-	(2.70)			
2.50	ES									-				
3.00	D								3	-				
3.00									3	-		64.26		
3.50	В			Yellowish brown and sandstone.	sandy sub	o-angula	ır to sub-rou	Inded fine to coarse GRA	/EL of flint	3.30		64.36		×
3.50	ES			(RIVER TERRAC	CE DEPO	SITS)				1	(0.70)			
4.00	В			Firm yong thinks !	minotod	areves	dy CLAY ··	ith rare lithorelics of sub-r	ounded fine ⁴	4.00		63.66		
4.00 4.00	D ES			mudstone.		• •	iay GLAY W	numerare innorence of sub-r	ounded TINE	1				
				(OXFORD CLAY		iun)				1				
										-				
5.00	D								5		(2.20)			
										-				
										1				
6.00	D								6	6.20		61.46		
				mudstone.			ndy CLAY w	ith rare lithorelics of sub-r	ounded fine	-				
				(KELLAWAYS SA	AND MEN	IBER)								
7.00	D								7	-	(1.30)			
7.00				Between 7.	00m and 1	7.50m b	gl: Soft.		Ĩ	-				
				Fine distant						7.50		60.16		
				mudstone.		• •	idy CLAY w	ith rare lithorelics of sub-r	ounded fine	-				
8.00	D			(KELLAWAYS CI		DER)			8	-				
										-				
										1				
										-	(2.50)			
9.00	D								9	-				
										-				
	_									10.00		57.66		
10.00	D		[†]				d of Borehole at	General Remarks:	10	10.00		51.00		
	Barahala	s and Observ		ush Def	· · · ·	hisell	-	1) Inspection pit hand the borehole was drille						
Rig Date	Time Borehole Depth (m) 0000 3.30			ush Returns ype (colour)	From (m)	To (m)	Duration (HH:MM)	landfill at 3.30m. Back	filled with 1	m of	bento	nite p	ellets	and I
18/08	1200 10.00	4.00 150						to prove for 1 hour be 10.00m depth. 4) Gas	and grounv	vater	monit	toring	well ir	nstall
								to 10.00m bgl with res 5) Landfill deposits ha						10.00
									-			-		
	ock Cable Percussion Te								Lo	gged in	general a	accordar	ice with B	\$5930:2

Lud	rock			Project	:: Beg	lprol	ĸe					ole N 02		
Hydı	IOCK									Pag	e No	o. 1 c	of 1	
Method: C	able Percu	ssion		Date(s): 1	9/08/20)21		Logged By: N		Ť			PJ Dr	rillinç
Client: Oxf	ford Univers	ity Developm	ent	Co-ords: 4	448244	.40, 2	13114.6	6 Checked By:	NT	F	lush	:		
	roject No: C			Ground Lo	evel: 66	6.47m	OD			S	cale	e: 1:	50	
· , · · · · · · ·	Samples / 1		÷ s											
Depth (m)	Туре	Results	Water- Strikes			Stra	atum Deso	cription		Depth mbgl	Thickness (m)	Level m OD	Legend	Instrum- entation
								angular to sub-rounded fin fragments of angular fine to			(0.40)			
0.50 0.50	B ES			brick and concre (TOPSOIL - MAI Dark reddish bro	DE GROUI	ND) / clayey	gravelly SA	ND. Gravel sized fragmen	ts of	0.40		66.07		
1.00	D			and plastic with p (LANDFILL - MA	putrid odou	ur.	ncrete with	frequent glass, timber, rub	1					
1.50	ES								-					
2.00	D										(2.60)			
									-					
2.50	ES								-					
3.00 3.00	D ES			MADE GROUNE putrid odour.) consistin	g of blad	ck plastic w	rapping, timber and glass v	with strong ³	3.00 3.10	(0.10)	63.47 63.37		2
3.10 3.50	B ES			(LANDFILL - MA Yellowish brown and sandstone.	sandy sub	-angula	r to sub-rou	inded fine to coarse GRAV	EL of flint		(0.90)			
				(RIVER TERRAG	CE DEPOS	5115)			-	4.00		62.47		
4.00 4.00	B D ES			Firm thinly lamin fine and medium			n CLAY witl	n rare gravels. Gravel is su	b-rounded	4.10	(0.10)	62.37		
4.00	ES			(OXFORD CLAY Firm very thinly I (OXFORD CLAY	aminated s	sandy C	LAY.							
5.00	D								- - 5 -					
									-		(2.10)			
									-					
6.00	D			Firm very thinly I	aminated	sandv C	LAY.		6 -	6.20		60.27		
				(KELLAWAYS S					-					
									-		(1.30)			
7.00	D			Between 7 mudstone.	.00m and 7	7.50m bg	gl: Soft with	rare lithorelics of sub-round	ed fine					
				muasione.					-	7.50		58.97		
				Firm very thinly I (KELLAWAYS C			LAY.		-	1.00				
8.00	D								- 8					
									-				<u> </u>	
									-		(2.50)			
9.00	D								9 -					
									-					
									-					
									-					
10.00	D				·····	Enc	of Borehole at		- 	10.00		56.47		
	Progres	s and Obser	vations		С	hisell	ing	General Remarks: 1) Inspection pit dug to	1.20m bal.	2) F	or cle	an sa	mplinc	j the
Rig Date	Time Borehole	Casing Casing Depth (m) Diam.(mm		lush Returns ype (colour)	From (m)	To (m)	Duration (HH:MM)	borehole was drilled w	ith 8 inch ca	sing	to the	e base	e of the	e
19/08 19/08	0000 3.10 1200 10.00	3.10 200 4.00 150		7PS (001001)	()	(11)		landfill at 3.10m. Backl to prove for 1 hour bef	ore continui	ng di	illing	with 6	3 inch t	to
1000	10.00							10.00m depth. 4) Gas to 10.00m bgl with resp 5) Landfill deposits hav	oonse zone	betw	/een 4	4.00m	n and 1	
									Loo	and in			nce with BS	

l la cala	un alu			Project	: Beg	gbrol	ĸe				reho BH		lo	
Hydı	OCK										e No		of 1	
Method: C	able Percus	ssion		Date(s): 1	8/08/2	021		Logged By: N		Ť			PJ Dr	illin
		ity Developm	ent	Co-ords: 4			13034.4			_	lush			
	roject No: C			Ground Le							cale		50	
Tyurook T	Samples / T		۲. W		5001. 0	7.0011	00							
Depth (m)	Туре	Results	Water- Strikes			Stra	atum Deso	cription		Jepth nbgl	Thickness (m)	Level m OD	Legend	Instrum-
0.50	В			coarse flint and s coarse brick and (TOPSOIL - MAE	concrete	e. With gr and freq JND)	avel sized uent fabric	angular to sub-rounded fin fragments of angular mediu , rags and pottery. AND. Gravel sized fragmen	ne to . um and -	0.50	(0.50)	66.59		
1.00	D ES				oarse brid outrid odd	ck and co our.		frequent glass, timber, rub						
1.00	ES													
2.00 2.00	D ES								2		(3.40)			
2.60	В													
3.00 3.00	D ES								3 -					
4.00	D				sandy su	ıb-angula	r to sub-rou	unded fine to coarse GRAV	EL of flint 4 -	3.90		63.19		
4.00	ES			and sandstone. (RIVER TERRAC	CE DEPC	OSITS)			-		(1.00)	4 - - - - - - - - - - - - - - - - - - -		
5.00	В			Firm thinly lamina	ated grey	ish brow	n CLAY wit	h rare gravels. Gravel is su	b-rounded _{5 -}	4.90 5.00	(0.10)	62.19 62.09		
5.00	D			fine and medium (OXFORD CLAY Firm very thinly la (OXFORD CLAY	FORMA aminated	TION) I sandy C	LAY.					-		
6.00	D								6		(2.00)	-		
7.00	D			Firm very thinly la	aminated	I sandy C	LAY.			7.00		60.09		
				(KELLAWAYS S/	AND MEI	MBER)					(1.40)	- - - - - -		
8.00	D			sub-rounded	fine muds	stone.	-	ry soft with rare fine lithoreli	cs of	8.40		58.69		
9.00	D			Firm very thinly la (KELLAWAYS CI			LAY.		- - - 9 -			-		
											(1.60)	- - - - - - -		
10.00	D					<u>-</u>	of P	10.00m	- 	10.00		57.09		
		s and Obser	vations		(Chisell	ina	General Remarks:			I			·
Rig Date 18/08 18/08	- Borehole	,	Water	Flush Returns Type (colour)	From (m)	To (m)	Duration (HH:MM)	1) Inspection pit hand of the borehole was drille landfill at 3.90m. Backf to prove for 1 hour befor 10.00m depth. 4) Gas to 10.00m bgl with resp 5) Landfill deposits hav	d with 8 incl illed with 1n ore continuir and grounw oonse zone	n cas n of k ng dr ater betw	sing to pentor illing monit reen 5	the the tent of te	base of ellets a inch t well in and 1	f the and I o stall
									Log	ged in g	general a	ccordanc	e with BS	5930:

				Project: Begbroke		_			ole N 201		
Hydr	ock								-		
Method: Ca	able Percu	ssion		Date(s): 30/08/2022	Logged By: NT	Pa	Ē). 1 c	RP D	rillin
		sity Development		Co-ords: 447940.36, 213216.23	Checked By: CV				: N/A		<u> </u>
					Checked By. CV				-		
Hydrock Pr	-			Ground Level: 68.06m OD			L.,		: 1:	50	—
Depth (m)	Samples / Type	Results	Water- Strikes	Stratum Descriptio	n	Depth	bgl intrae	(m)	Level m OD	Legend	Instrum- entation
0.10 - 1.00	В	Results		Brown slightly gravelly SAND with frequent rootlets.	Gravel is subangular to	<u>ă</u>			3 2		e =
0.20	ES			subrounded fine to coarse of flint. (AGRICULTURALLY DISTURBED TOPSOIL)		0.3		0.35)	67.71		
0.60	ES			Loose brown gravelly SAND. Gravel is subangular to flint and limestone.	o subrounded, fine to coarse	of _					
				(RIVER TERRACE DEPOSITS)			(0	0.95)	•		
1.20	SPT	N=4				1-			• · •		
1.20	D	(1,1,1,1,1,1)		Very dense orange brown gravelly slightly clayey Sa	AND. Gravel is subangular to	1.3)		66.76		
1.20 - 1.70	B			rounded, fine to coarse of flint and limestone. (RIVER TERRACE DEPOSITS)				0.90)		·	
2.00	SPT	50/235mm				2 -		1.50)	1		
2.00	D	(5,5,12,13,18,7)		Very dense orange brown gravelly slightly clayey SA	AND. Gravel is subangular to	2.2	<u>.</u>	-	65.86		
2.20 - 3.00	B			rounded, fine to coarse of flint and limestone. (RIVER TERRACE DEPOSITS)		1					
				()		-			-		
3.00	SPT	50/135mm				3 -		1.80)	-		
3.00	D	(15,10,35,15)				-	(1	.80)			
3.00 - 3.30	В								-		
						-			1		
4.00	SPT	N=43 (10,12,11,9,9,14)		Dense to very dense brown sandy slightly clayey su	bangular to rounded, fine to	4.0	2	-	64.06	· <u>···</u> ··	-
4.00 4.00 - 4.45	D B	(10,12,11,0,0,14)		coarse flint and limestone GRAVEL. (RIVER TERRACE DEPOSITS)		-			•	- <u>-</u>	
4.00 4.40	D					-			1	· ·	
						-				· · · · · ·	
5.00	SPT	50/235mm (11,14,10,12,14,14)				5 -		1.90)			
5.00 5.00 - 5.45	D B					-					
						-					-
6.00	D			Firm light grey mottled orange and grey sandy CLA	Υ.	5.9 6 -	<u> </u>	_	62.16		
	_			(KELLAWAYS SAND MEMBER)		-			-		
6.50	SPT	60/235mm				-	(0	0.90)	-		
6.50 - 6.88	D	(7,11,14,14,16,16)				6.8	0		61.26		-
7.00 - 8.00	В			Stiff grey sandy CLAY. (KELLAWAYS SAND MEMBER)		7_7.0	<u>) (</u>	0.20)	61.06		-
				Very stiff grey thinly laminated CLAY with rare shell (KELLAWAYS CLAY MEMBER)	fragments.	-					-
						-			-		-
						-			-		
8.00	SPT	N=34 (5,5,7,7,9,11)				8-			F		
8.00 - 8.45	D					-			ļ		
						-	(3	3.10)	-		
0.00	2								-		
9.00	D					9-			Ī		
9.50 - 9.95	U					-			-		
0.00	5					1			-		
						- - 10 -			F		
	Proares	ss and Observation	ons		eral Remarks:	20 '		 		duret-	ـــــــــــــــــــــــــــــــــــــ
Rig Date	Time Borehole	e Casing Casing Wat	ter F	lush Returns From To Duration mask	spection pit hand dug to 1 ked by water added withir	grave	ls. 3	3) Bo	orehol	le com	stril
Dando 30/08 2000	Depth (m 1000 10.10	0) Depth (m) Diam.(mm) Depth 7.00 150		N/A N/A insta).10m bgl. 4) Gas and gro illed to 5.00m bgl. Respor						ogl a
2000				5.00	m bgl.						
						Logaed	in gei	neral #	ccordan	ce with BS	35930·2

Hyc	droc	k k				F	Project	: Be	gbroł	ke	Borehole No BH201 Page No. 2 of 2									
								0 10 0 10							Pa	1				
	Cable P						Date(s): 3						d By: N						RP DI	rilling
	Dxford Un	-			ent		Co-ords: 4				23	Check	ked By:	CV				N/A		
Hydrock	(Project N)			Ground Le	evel: 6	8.06m	OD								1:5	50	
		oles / Tes			Water-	tukes			Stra	tum Deso	criptio	n			ţ	Thickness		e G	Legend	Instrum- entation / Backfill
Depth (m 10.10	n) Typ D		Resu	ults	> 0		stiff grey thi	nly lamin	ated CLA	Y with rare	shell f	ragments			ප 10.	요 년 10	Ē	В О С С С С С С С С С С С С С С С С С С	Ľé	lns ent /B
						\ (KEI	LLAWAYS CI	AY MEN	/IBER) End	of Borehole a	t 10.10m	-			/					
								1			1				20 -					
	Pro	ogress	and Ob	oserv	ations	;			Chiselli	ing	1) Ins		pit hand o							
Rig Dai	ta Tana B	orehole		Casing	Water Depth (m)	Flush Type	Returns (colour)	From (m)	To (m)	Duration (HH:MM)	mask at 10 instal	ked by wa .10m bgl	ater adde . 4) Gas a D0m bgl.	d within and grou	grave ndwa	els. 3 iter n) Bo noni	rehol toring	e com i pipe	pleted
	1 1		1																	

				Project	: Be	gbrol	ĸe					oreh 3H			
Hydr	ОСК											je No	-		
Method: Ca	able Percus	sion		Date(s): 3	1/08/2	2022			Logged By:	NT				RP D	rilling
Client: Oxfo	ord Univers	ity Developmer	nt	Co-ords: 4			13320.2		Checked By		F	-lush	n: N//	4	
	oject No: C	• •		Ground Le						·	5	Scale	e: 1:	50	
·, ····	Samples / T		- s												4 5
Depth (m)	Туре	Results	Water- Strikes			Stra	atum Desc	cription			Depth	Thickness (m)	Level m OD	Legend	Instrum- entation
0.00 - 1.00 0.10	B ES			Light brown sligh subangular to an				ND with	n frequent rootlet	s. Gravel is	0.30	(0.30)			
0.70	ES			(AGRICULTURA Brown slightly gra flint and limeston (RIVER TERRAC	avelly SA ie with oc	ND. Grav ccasional	vel is subar	ngular to		e to coarse of		(1.10)	63.37	× × × × × × × × ×	
1.20	SPT	N=18									1-			^	
1.20 1.40 - 2.00	D B	(4,5,5,4,5,4)		Firm orange moti subangular, fine t (RIVER TERRAC	to coarse	e flint grav		iing san	dy CLAY with rar	e rounded to	1.40		62.27	× × · ·	
2.00 2.00 - 2.45	SPT D	N=6 (1,2,1,1,2,2)		(RIVER TERRAC		5113)					2 -				
3.00	SPT	N=9										(2.00)			
3.00 - 3.45	D	(0,1,1,1,3,4)									1				
3.40 - 4.00	В			Light brown sligh	itly grave	lly clayey	SAND. Gra	avel is f	ine to coarse, rou	unded to	3.40	-	60.27		
				subangular flint. (RIVER TERRAC	CE DEPC	OSITS)					1	(0.60)			
4.00	SPT	N=17 (4,4,3,3,4,7)		Orange brown sa		htly claye	y subround	ed to su	ıbangular, fine to	coarse flint	4 4.00		59.67		
4.00 - 4.45 4.00 - 5.00	D B	(4,4,0,0,4,7)		and limestone GI (RIVER TERRAC		OSITS)						(1.00)			
5.00 5.00 - 5.45 5.00 - 6.00	SPT D B	N=11 (3,1,3,2,3,3)		Stiff grey thinly la (KELLAWAYS CI			th rare shel	l fragme	ents.		5.00		58.67		
6.00	D										6 -	(1.30)			
6.30	В			Very stiff to hard	light grey	y silty CL/	AY with rare	e shell fr	ragments and fre	quent silt	6.30		57.37		
6.50 6.60	SPT SPT	50/0mm () 50/0mm		sized selenite cry (KELLAWAYS CI		/IBER)	d of Borehole a	at 6.60m			6.60	(0.30)	57.07		
		0									- 7 - - - - - -				
											8-				
											-				
											9-				
					1			0			- - 10 -				
	Barabala	s and Observa		ush Returns	From	Chisell	ing Duration	1) Ins	al Remarks: pection pit dug d by water ad						
Rig Date Dando 31/08 2000			oth (m) Ty	/A N/A	6.50	(m) 6.60	(HH:MM)	at 6.60 4) Gas	Om bgl on 2nd s and groundw onse zone betw	SPT refusa ater monito	Í after ring w	30 mi ell ins	nutes talled	of chis to 5.00	selin
											Logged in	aneral	accordar	vo with PS	5000.0

Hydr	ock			Project	: Begbr	oke				oreho 3H2			
nyui	UCK								Pag	ge No	o. 1 o	of 2	
Method: Ca	able Percus	sion		Date(s): 0	2/09/2022		Logged By:	NT	[Drilled	l By:	RP D	rilling
Client: Oxfo	ord Universi	ty Development		Co-ords: 4	148029.01	, 212856.9	0 Checked By	/: CV	F	lush	: N//	4	
Hydrock Pro	oject No: C	-19114-C		Ground Le	evel: 63.35	5m OD			Ś	Scale	: 1:	50	
	Samples / T	ests	er- (es							ness		p	ᅣ딩
Depth (m)	Туре	Results	Water- Strikes			Stratum Deso	ription		Depth mbal	Thickness (m)	Level m OD	Legend	Instrum- entation
0.00 - 1.20 0.10	B ES			subangular to an	gular fine to co	barse of flint.	ND with frequent rootlets	s. Gravel is	0.30	(0.30)	63.05		
0.50	ES				tly gravelly slig	htly clayey SA	ND. Gravel is subangula	ar to	-1		00.00	·	
				subrounded, fine (RIVER TERRAC			ne.		-	(0.70)			-
				Firm orange brow	vn motted iron	stained slightly	y gravelly sandy CLAY. G	Sravel is	1.00		62.35		
1.20	SPT	N=10 (2,1,2,2,3,3)			brounded, fine	to coarse of fl	nt and limestone.		1				
1.20 - 1.65	D	(2,1,2,2,0,0))			-	(1.00)			
									-				
2.00	SPT	N=5 (1,1,1,1,2,1)			ly CLAY with ra	are subrounde	d to angular, fine to coars	se flint	2 2.00		61.35		
2.00 - 2.45	D	<u>,</u> ,,,,,,∠,1)		GRAVEL. (RIVER TERRAC	E DEPOSITS)							
									-				
									1				
3.00	SPT	N=5 (1,1,0,1,1,3)							3-	(2.00)			
3.00 - 3.45 3.00 - 4.00	D B								-				
									-				
4.00	ODT	NI-7							4.00		59.35		
4.00	SPT	N=7 (2,0,1,1,1,4)		Orange slightly g fine to coarse of		clayey SAND.	Gravel is subrounded to	rounded,	4.20	(0.20)	59.15		
4.00 - 4.45 4.30 - 5.00	D B			(RIVER TERRAC Orange sandy sli			brounded, fine to coarse	e, flint and	4			^ 、×、、	
				imestone GRAVI (RIVER TERRAC)			-	(1.10)		××,	
5.00	SPT	50/180mm							5-			××、	×
5.00	D	(3,6,17,23,10)							5.30		58.05	××	×
5.30 - 6.50	В			Bluish grey fine o		2)			-			× × ,	
												× × ``	
6.00	D								6 -	(1.40)		××××	×
									-			×××	×
6.50	SPT	N=24 (3,3,3,6,7,8)							6.70		56.65	×××	
6.50 - 6.95 6.70 - 8.00	D B	(0,0,0,0,1,0)		Stiff bluish grey C			agments.		0.70		50.05		
	_					/			7 -				
										(1.30)			
8.00	D								8.00		55.35		
8.00 8.00 - 8.45	D U			Very stiff grey CL (KELLAWAYS CI			ments.					<u> </u>	
									1			E	
8.60	D								1			<u> </u>	
9.00	D								9-				
									1	(2.45)		<u> </u>	
									1			E	
												<u> </u>	
					1		1	1	0 -				
	Progres	s and Observat	ons		Chis	elling	General Remarks: 1) Inspection pit han						
Ŭ I		Casing Casing Wa Depth (m) Diam.(mm) Dept		pe (colour)	From To (m) (m)		masked by water add at 10.45m bgl. 4) Ga	ded within g	ravels	. 3) B	oreho	le com	
ando 02/09 2000	1000 8.20	6.00 150	N N				installed to 5.00m bg 5.00m bgl.	I. Response	zone	betwo	een 1	.00m b	ogl ar
							0.0011 byl.						
								I	Logged in	general a	accordar	ice with BS	5930:20

Hydro	ock			Project	: Be	gbroł	ke					Bł	hole 120 No.	03		
Method: Ca		sion		Date(s): 0	2/09/2	2022			Logged By:		Га	-			RP D	rillina
		ty Developmer	nt	Co-ords: 4			12856 0		Checked By				sh: l			iiiiig
								0	Checked by							
Hydrock Pro	-			Ground Le	evel: 6	3.35m	OD				1		ale:		50	
5 4 ()	Samples / To		Water- Strikes			Stra	atum Desc	cription	1		pth	ogl icknes	(m) Level	28	Legend	Instrum- entation / Backfill
Depth (m) 10.00	Type SPT	Results N=31		Very stiff grey CL	AY with	occasiona	al shell frag	ments.			ă	Ĕ ₽	<u>е</u> <u>е</u>	3 5		en en / B
10.00 - 10.45	D	(5,5,5,7,9,10)		(KELLAWAYS CI	LAY MEN		of Borehole at	t 10.45m			<u>10.4</u>	45	5	52.90		
										11 - 12 - 13 - 14 - 15 - 16 - 17 -						
										18 - 19 -						
	Progres	s and Observa	tions			Chiselli	ing	1) Ins	ral Remarks: pection pit hand	20 - I dug to 1.20	n t	ogl. 2	2) Gro	ounc	lwater	strike
Rig Date 1	Time Borehole Depth (m)	Casing Casing V Depth (m) Diam.(mm) De		ush Returns (colour)	From (m)	To (m)	Duration (HH:MM)	at 10.	ed by water add 45m bgl. 4) Gas ed to 5.00m bgl ı bgl.	s and ground . Response z	wa zon	ter n	nonito twee	oring n 1.	ı pipe 00m b	

							F	Project	Be	gbrol	ke				oreho 3H2			
Hy	/dr	` 00	:K												je No			
Лeth	od: C	able l	Percus	ssion				Date(s): 0	3/08/2	2022		Logged B					RP D	rillin
					/elopm	ent		Co-ords: 4			12958.0			_	lush			
				-19114				Ground Le							Scale	-		
lyan		-	nples / 1			2				2.0 111								4
Dept	th (m)	1	уре		Results	Wate	Strikes			Stra	atum Deso	cription		Depth mbgl	Thickness (m)	Level m OD	Legend	Instrum- entation
	- 1.00 .20		B ES				suba (AG Firm	angular to an RICULTURA	gular fine LLY DIS slightly s	e to coars TURBED andy slig	e of flint. TOPSOIL) htly gravelly	ND with frequent rootl / CLAY. Gravel is subr e.		0.30	(0.30)	62.01		-
1.	.20	s	:PT		N=7			ÉR TERRAC		,			1	1.20	(0.90)	61.11		
1.	.20 - 2.00		D B	(3,1	1,1,2,2,2)		coar	i orange brow se flint grave ÆR TERRAC	I.		d sandy CL	AY with rare subound	ed, fine to	-	(0.80)			
2.00	.00 - 2.45 - 3.20		PT D B	(0,	N=9 1,1,2,3,3)		(RIV	orange with ER TERRAC	E DEPC	OSITS)	-	vel is subrounded to s	2 ubangular, fine	2.00	(0.30)	60.31 60.01		
	.00		;PT		N=5		to co	arse of flint. /ER TERRAC					3	-	(0.90)			
	.00 - 4.00		D B	(0,*	1,1,1,1,2)		and	t brown sand quartz GRAV ⁄ER TERRAC	ÉL.		angular, fine	e to coarse, limestone,	sandstone, flint	3.20		59.11	× × , × × , × × , × × ,	
4.	.00 .00 - 4.45		PT D B		N=11 5,6,2,1,2)								4	-	(1.50)		× × × × × × × ×	
4.70	- 4.90		D					bluish grey s 'ER TERRAC			black speck	s and mild organic odo	our.	4.70	(0.20)	57.61 57.41	× · · · · · · · · · · · · · · · · · · ·	
5.00	.00 - 5.12 .20		PT D PT	(1	0/30mm 19,6,50) 0/225mm		Ligh	t grey very w _LAWAYS SA	eak SILT	ISTONE.			5	-	(0.60)			
	- 5.50		D	(25,	,18,13,19)				En	d of Borehole a	t 5.50m	6	5.50		56.81	<u>××××</u> :	
													7	-				
														-				
													8	-				
													9	-				
									1			General Remarks:	10	-				
Rig	Date 31/08	P Time 0000	Borehole	Casing	Observ Casing Diam.(mm) 150	Water	Flush	Returns (colour) N/A	From (m) 5.00	To (m) 5.20	Duration (HH:MM)	1) Inspection pit du masked by water a at 5.50m bgl on 2n	dded within gra d SPT refusal a	avels after (. 3) Bo 30 mir	oreho nutes	le term of chis	inate selir
Dando 2000	31/08	0000	5.20	4.70	150		N/A	N/A	5.00	5.20	00:30	4) Gas and ground Response zone be						m b
													Lo	aaed in	general a	accordan	ce with BS	5930:

LI.							F	Project	: Be	gbrol	ĸe				oreho 3H2			
пу	d r	U	LK												je No			
Meth	od: C	able	Percus	ssion			0	Date(s): 0	1/09/2	2022		Logged By:	NT	Ť			RP D	rilling
Clien	t: Oxf	ord L	Inivers	ity Dev	elopm	ent	C	Co-ords: 4	14795	3.42, 2	12626.3	30 Checked By	: CV	F	lush	: N/A	4	
Hydro	ock P	rojec	t No: C	-19114	1-C		C	Ground Le	evel: 6	0.78m	OD			S	Scale	e: 1:	50	
-		Sar	nples / T	ests		Ę	es							T	set		g	έs
	h (m)		Гуре	1	Results	Wat	Strikes				atum Deso	•		Depth mbgl	Thickness (m)	Level m OD	Legend	Instrum- entation
0.	- 1.20		B ES B ES				sub (AG Soft oraç lime	angular to sul <u>RICULTURA</u> light orange	broundee LLY DIS brown m I. Gravel	d, fine to TURBED nottled gre is subrou	coarse of fli TOPSOIL) ey slightly g	with frequent roots. Grav nt, limestone and rare br ravelly sandy CLAY with gular, fine to coarse of fli	ick. rare purpe	0.25	(0.25)	60.53		
1.: 1.20 -	20 - 1.65	:	SPT D	(0,0	N=3),1,0,1,1)									-	(1.55)			
2. 2. 2.00 -		:	SPT D B		N=19 5,5,4,5,5)		GR/	wn sandy rou WEL. YER TERRAC		0	lar fine to c	oarse limestone, flint and	I sandstone 2	1.80	(1.30)	58.98		
3.1 3.10	00	:	SPT D B		N=26 ,3,4,7,12)	Blui	From 3.00n sh grey slight LLAWAYS SA	tly clayey	/ SAND.			3	3.10		57.68	× × ×	
4.		:	SPT D		N=22 5,6,6,5,5)								4	-	(1.40)			
4.50 · 5.0			B		N=21		sele				ell fragment	s and very rare silt sized	specks of	4.50		56.28		
	- 5.45		D		1,4,5,5,7)								5	-				
6.	00		D										6	-	(3.50)			
6.50			U										7	-				
7.	10		D											-				- - -
8.00 8.00 - 8.2	- 8.08		SPT D SPT	(0/10mm 25,50) 0/0mm ()			t grey very w RNBRASH L		NE FOR	MATION) d of Borehole a	18.20m		8.00	(0.20)	52.78 52.58		
													9	-				
		F	rogres	s and	Obser	vation	s		(Chisell	ina	General Remarks:		_	<u> </u>	I		I
Rig Dando 2000	Date 01/09	Time	Borehole		Casing	Water	S Flush Type N/A	Returns (colour) N/A	From (m) 8.00	To (m) 8.20	Duration (HH:MM) 00:30	 Inspection pit dug masked by water add at 8.20m bgl on 2nd 3 Gas and groundwa Response zone betw 	led within gr SPT refusal a ater monitori	avels after 3 ng we	. 3) Bo 30 mii ell inst	oreho nutes talled	le term of chis to 4.00	inate selin
														agaed in	general a	accordar	ice with BS	5930-2

	'ock			Project: Begbroke			(oreho CP:	30´	1	
-	able Percus	aian		Deta(a): 01/02/2022		ged By: CR		ge No		of 1 RP D	rilling
				Date(s): 01/02/2023							ming
		y Developme	าเ	Co-ords: 447234.97, 213429	.37 Che	cked By: MA		Flush			
lydrock Pro	oject No: C-			Ground Level: 67.69m OD				Scale		:50	
	Samples / Te		Water- Strikes	Stratum Des	scription		Depth	Thickness (m)	Level m OD	Legend	Instrum- entation / Backfill
Depth (m)	Туре	Results		Brown slightly clayey SAND with rare rootlet	ts.				зĘ	e 	en en
				(AGRICULTURALLY DISTURBED TOPSOIL Orangish brown slightly gravelly clayey SAN		-angular to rounded	0.30	(0.30)	67.39		
				Orangish brown SAND and GRAVEL. Grave (RIVER TERRACE DEPOSITS) Orangish brown SAND and GRAVEL. Grave coarse of flint limestone and occasional iron (RIVER TERRACE DEPOSITS) From 3.50m bgl: Medium to coarse grat Grey medium strong LIMESTONE (CORNBRASH LIMESTONE FORMATION) at 4.60m bgl grey coarse gravel sized fr end of Borehole	el is sub-angular stone. vel sized fragme	to rounded fine to nts of limestone.	1	(3.20)	64.19		

Ну	/dr	°00	:k					Project			C	P	ole N 302	2						
			Percus	ssion				Date(s): 0	2/02/2	2023			Logged I	BV: CR		-		0.10	RP Di	rillina
				ity Dev	/elopm	ent		Co-ords: 4			13220.3	26	Checked	-		_		: N/A		iiiiig
				-19114				Ground L								-		: 1:		
- iyan		-	nples / 1			1	es -													∊∊⋶
Dep	th (m)	1	Гуре		Results	Wate	Strikes				atum Des	•			:	Depth mbgl	Thickness (m)	Level m OD	Legend	Instrum- entation / Backfill
								Brown slightly cl (AGRICULTURA					s.		-		(0.40)			
								Firm orangish br (RIVER TERRA	own san	dy CLAY.						0.40		66.34		
								(
															1 -		(1.10)			
												<u> </u>			1	1.50		65.24		
								Yellowish brown medium of limes (RIVER TERRA	tone iror	istone an		is sub-	-angular to rou	inded fine to	-					
								(111211121000		00110)					2 -					
															-					
															-					
															3 -		(2.60)			
							From 3.20 m bgl: Occasional pockets of yellowish brown sandy gravelly CLAY.													
								CLAY.							-					
								Firm to stiff blue							4-4	4.10		62.64		
								(KELLAWAYS C	LAY MEI	MBER)					-		(0.90)			
															-		(0.00)			
										Er	d of Borehole	at 5.00m			5-5	5.00		61.74		
															-					
															-					
															6 -					
															-					
															-					
															-					
															-					
															8-					
															-					
															-					
															9 -					
															-					
															-					
			rogroc	s and	Oheor	Vation				Chisel	ing		eral Remarks		10 -					
Rig	Date	Time	Borehole	Casing	Casing	Water	F	lush Returns	From	То	Duration	1.20r	m bgl to assi	hand dug to 1. st drilling in gr	anul	lar r	nateri	als. 3	3) Gas	
Dando 2000	01/02	1400	Depth (m 5.00	Depth (m)	Diam.(mm) 150	Depth (m		Гуре (colour) N/A N/A	(m)	(m)	(HH:MM)	grour respo	ndwater mor onse zone be	nitoring well in etween 1.50m	stalle to 4	ed to .00	o 4.00 m bgl)m bg	l with	
HoleBASE															Logg	jed in	general a	accordan	ce with BS	5930:2015

Hydr	ock			Project: Begbroke Date(s): 31/01/2023 Logged By: 0			С	P3	ole N 303	3		
Method: C	able Percus	ssion		Date(s): 31/01/2023		Logged By: CR	· · ·	-			RP D	rilling
Client: Oxf	ord Univers	ity Developme	nt	Co-ords: 447879.54, 213	661.41	Checked By: MA		FI	ush	: N/A	۹.	
Hydrock Pi	oject No: C	-19114-C		Ground Level: 68.15m O	D			S	cale	: 1:	50	
5	Samples / 1		es -						ess		σ	4 5
Depth (m)	Туре	Results	Water- Strikes	Stratur	n Descriptior	1	:	Depth mbgl	Thickness (m)	Level m OD	Legend	Instrum- entation
				Brown slightly clayey SAND with occa (AGRICULTURALLY DISTURBED TO			-					
							-		(0.70)			
			-	Yellowish brown SAND and GRAVEL.	Gravel is sub-	angular to rounded fine to	C	0.70		67.45		
				medium of limestone and flint. (RIVER TERRACE DEPOSITS) From 3.00m bgl: Coarse gravel s			1 - - - - - - - - - - - - - - - - - - -		(3.30)			
				Firm blue grey CLAY. (KELLAWAYS CLAY MEMBER) End of I	Sorehole at 5.00m		*	4.00 5.00	(1.00)	<u>64.15</u> <u>63.15</u>		
							6 - - - - - - - - - - - - - - - - - - -					
							- - - - - - - - - - - - - - - - - - -					
Rig Date Dando 31/01 2000	Borehole	Ss and Observa Casing Casing Depth (m) Diam.(mm) Di 1.00 150		pe (colour) (m) (m) (⊦) 1) Ins _{uration} assis ^{IH:MM)} grour	ral Remarks: pection pit hand dug to t drilling granular materi dwater monitoring well onse zone between 1.00	al at 1. installe	.20m ed to	bgl.	3) Ga Im bg	as and	
HoleBASE SI - Hydro							Logg	jed in g	eneral a	ccordan	ce with BS	5930:2

Hyd	rock			Project: Begbroke								C	P P	304	1	
Method: (Cable Percus	sion		Date(s): 3	1/01/20	123			Logged	By: CE	2	1	je No Drilleo		RP D	rillina
		ity Developmen	t	Co-ords: 4			3497 4		Checke	-			Iush			lining
	Project No: C			Ground Le				<u> </u>	Onconc	Ja Dy. N			Scale			
пушоск г	-			Ground Le	evel. oo	5.02m	50								50	
Depth (m)	Samples / 1	Results	Water- Strikes			Strat	um Deso	cription	I			Depth mbgl	Thickness (m)	Level m OD	Legend	Instrum- entation / Backfill
	.,,-			Brown slightly cla	ayey SAND	D with oco	casional r	ootlets.						36	- 	= = =
Depth (m)	Type	Kesults		Brown slightly da (AGRICULTURA Yellowish brown rounded fine to n (RIVER TERRAC From 3.60r Firm blueish grey (KELLAWAY'S CI	LLY DISTU fine to coa nedium of f 2E DEPOS n bg/: Coar y slightly sa	JRBED T Irse SANI flint. SITS) rse gravel andy CLA BER)	OPSOIL) D and GR	gments of	of limestone	e.	to sub- 1 2 3 4 		- -	<u><u><u><u></u></u><u><u></u><u></u><u></u><u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u></u></u></u></u>		
	Progres	s and Observat	ions		c	hisellir	ng		ral Remar pection pi		ia to 1.20	m bo	1 21 1	Vater	added	to
Rig Date Dando 31/01 2000 HoleBASE SI - Hyd	Time Borehole Depth (m) 1400 5.00	Casing Casing W Depth (m) Diam.(mm) Dep 1.00 150	ater Flu th (m) Ty	ish Returns pe (colour) /A N/A	From (m)	То	Duration (HH:MM)	assist monite	pection pi drilling gi oring well en 1.00m	ravels at installed	1.20m bg to 4.00m n bgl.	l. 3)G bgl v	Gas ar	nd gro	undwa	ter e

Hydı	rock			Project: B	Begbroke				C	P	ole N 305	5	
_	Cable Percus	sion		Date(s): 01/0	2/2023		Logged By: C		-). 1 c	RP D	rilling
			+			290.04			_		: N/A		ming
		ity Developmen	ι	Co-ords: 447			Checked By: I	VIA	_				
Hydrock P	roject No: C			Ground Leve	1: 67.78m OL)			5		: 1:	50	
Dauth (m)	Samples / T		Water- Strikes		Stratum	n Description			Depth mbgl	Thickness (m)	Level m OD	Legend	Instrum- entation / Backfill
Depth (m)	Туре	Results		Brown slightly clayey	SAND, with occas	sional rootlets.			ă Ē		зĽ		≝ e ≞
				Brown slightly clayey (AGRICULTURALLY Orangish brown sligh rounded fine of flint. (RIVER TERRACE D Medium of flint and lin (RIVER TERRACE D From 4.00m bgl Stiff blue grey thinly la (KELLAWAYS CLAY 1	DISTURBED TOP tly gravelly clayey EPOSITS) D and GRAVEL. (nestone. EPOSITS) Coarse gravel siz	'SOIL) SAND. Grave	l is sub-angular to s	ub- 1- ed fine to 2- 3- 3- 4- 4- 4- 5-	<u>1.60</u>	(0.30) (1.30) (3.00) (1.00)	67.48 66.18 63.18 62.18		
Rig Date Dando 2000 01/02	Time Borehole	s and Observat	ater Fl th (m) T		Chiselling om To Du n) (m) (H	1) Ins ration 1.20m H:MM) groun	al Remarks: pection pit hand d l bgl to assist with dwater monitoring nse zone betweer	drilling in g well install	rani ed t	ular m o 4.60	nateria)m bg	al. 3) G	

Hydro	nck 📕			Project: Begbroke			Trialpi HDP			
iyur						F	age No.	. 1 of	1	
/lethod: Har	nd-dug Pit			Date(s): 06/02/2023	Logged By: S Stability: Side		Check			Т
Client: Oxfore	d Universi	ty Developme	ent	Co-ords: 449086.00, 212511.00	remained ver	tical	Dimer			cal
Hydrock Proj				Ground Level: 60.12m OD	toolo	igging	0.15m	0.15m	י	1:1(
	amples / Tes		Water-		tools			less		τ
Depth (m)	Туре	Results	Strikes	Stratum De	scription		Depth	Thickness (m)	Level m OD	puepe
0.00 - 0.10	D			Brown clayey SAND with many rootlets. (AGRICULTURALLY DISTURBED TOPSOIL)				(0.10)		S
0.10 - 0.20	D			Brown mottled orange clayey SAND with man (AGRICULTURALLY DISTURBED TOPSOIL)	y rootlets.		0.10		60.02	
0.20 - 0.30	D						-	(0.20)		
				Base of Excavati	ion at 0.30m		0.30		59.82	
							1-			
eneral Remark							2 -			

Hvdro	ock ⁼			Project: Begbroke			HD	-3	02		
							Page N				
/lethod: Han				Date(s): 06/02/2023	Logged By: Stability: Sid	SM es	Che				
		ty Developme	nt	Co-ords: 449022.00, 212594.00	remained ve	rtical	Dim		ions 0.15m		
lydrock Proje				Ground Level: 60.23m OD	tools	ugging	0.15m][1:1
	amples / Te:		Water- Strikes	Stratum Des	scription		4		Thickness (m)	Be	
Depth (m) 0.00 - 0.10	Type D	Results	Surkes	Brown clayey SAND with many rootlets.	-		Č		Ĕ	Level m OD	
				(AGRICULTURALLY DISTURBED TOPSOIL)							
0.10 - 0.20	D						-				ÿ
0.00.0.00	5							1	(0.30)		H
0.20 - 0.30	D						1				Ŋ
				Base of Excavation	on at 0.30m		0	.30		59.93	Ø
							-				
							-				
							-				
							-				
							-				
							1 -				
							_				
							-				
							-				
							-				
							-				
							-				
							1				
							1				
							2 -				

Hydro	ock ⁻						HD				
/ lethod: Har				Date(s): 06/02/2023	Loggod P		Page N Che				
		ty Developme	ant	Co-ords: 448900.00, 212777.00	Logged B Stability: S remained	vertical			sions		ı ca
			5111		remained Plantgha				0.15m		1:1
lydrock Proj	ect No: C-		Τ.	Ground Level: 60.46m OD	tools		0.15n		ss		
Depth (m)	Type	Results	Water- Strikes	Stratum De	scription		:	lepth bgl	Thickness (m)	Level m OD	-
0.00 - 0.10	D			Brown slightly clayey SAND with many rootle (AGRICULTURALLY DISTURBED TOPSOIL)	S.						ÿ
0.10 - 0.20	D						-				Y
0.20 - 0.30	D						-		(0.30)		X
				Base of Excaval	ion at 0.30m		<u></u> c	0.30		60.16	
							-				
							-				
							-				
						-					
						-					
							1 -				
							-				
							-				
							-				
							-				
							-				
							-				
							-				
							2 -				
eneral Remark) Hand pit to 0.	ks: 30m bgl with	hand tools. 2) 3	samples ta	ken for organic analysis 3) Backfilled with	arisings.			1	I	I	

Hyarc	ock "	-					HD				
				Data (a): 00/02/2022	Learned Dru		Page N				
Method: Han	-		- 4	Date(s): 06/02/2023	Logged By: Stability: Sic	SIVI I ES	Che		sion:		ı cal
		ty Developme	nt	Co-ords: 448890.00, 212949.00	remained ve		_	_	0.15m		1:1
Hydrock Proj				Ground Level: 60.74m OD	tools		0.15r		s		· · ·
Depth (m)	amples / Te: _{Type}	Results	Water- Strikes	Stratum Des	scription		:	epth bgl	Thickness (m)	Level m OD	10000
0.00 - 0.10	D	results		Brown slightly clayey SAND with many rootlets	s.		1	ΔE	È£	ΞE	<u> </u>
0.10 - 0.20	D			(AGRICULTÚRALLÝ DISTURBED TÓPSOIL)			-				S
									(0.30)		Ì
0.20 - 0.30	D						-				X
				Base of Excavatio	on at 0.30m			0.30		60.44	
							-				
							-				
							_				
						-					
							1 -				
							-				
							-				
							-				
							-				
							-				
							-				
							-				
							-				
							-				
							2 -				

Hyara	ock "	-					HDI				
					Longrad Di		Page N				 T
Method: Han	-			Date(s): 06/02/2023	Logged By: Stability: Sid	SIVI ES	Che Dim				l ca
		ty Developme	nt	Co-ords: 449086.00, 213102.00	remained ve		_	0	.15m		1:1
lydrock Proj				Ground Level: 60.90m OD	tools		0.15m		_α Ι		· . I
Depth (m)	amples / Te: _{Type}	Results	Water- Strikes	Stratum Des	scription		4	mbgl	nicknes	Level m OD	-
0.00 - 0.10	D	results		Brown slightly clayey SAND with many rootlets	3.		(ו ב ב	έ£	<u>3 E</u>	K
0.10 - 0.20	D			(AGRICULTURALLY DISTURBED TOPSOIL)			-				X
0.20 - 0.30	D							((0.30)		
0.20 - 0.30	U						0	.30		60.60	
				Base of Excavation	on at 0.30m		_				
						-					
						-					
							1 -				
							-				
							-				
							-				
							-				
							-				
							-				
							-				
							-				
							-				
eneral Remark							2 -				

Huden				Project: Begbroke			Trialp HDP			
Hydro	CK						Page No			
/lethod: Han	d-dug Pit			Date(s): 06/02/2023	Logged By: Stability: Sid	•	Chec			Т
		ity Developme	nt	Co-ords: 448582.00, 213221.00	remained ve	rtical	Dime	nsion	s: S	cal
lydrock Proje		-		Ground Level: 61.34m OD	tools	digging	0.15m	0.15m	י	1:1
	amples / Te		Water-					less		-
Depth (m)	Туре	Results	Strikes	Stratum Des			Depth	Thickness (m)	Level m OD	-
0.00 - 0.10	D			Brown slightly clayey SAND with many rootlets (AGRICULTURALLY DISTURBED TOPSOIL)	. Rare reddish decay	ed rootlets.				Ø
0.10 - 0.20	D						-	(0.30)		
0.20 - 0.30	D						-	(0.50)		
				Base of Excavatio	n at 0.30m		0.30		61.04	Ø
					in at 0.50m					
							-			
							1			
							-			
							-			
							1 -			
							1			
							-			
							1			
							1			
							-			
							-			
							1			
							2 -			

lydro	ock ⁼						HD				
							Page N				
ethod: Han	-			Date(s): 06/02/2023	Logged By: Stability: Sid	SM es	Che Dim				
		ty Developme	nt	Co-ords: 448626.00, 213391.00	remained ve		_		0.15m		
ydrock Proje			1	Ground Level: 61.47m OD	tools	aigaina	0.15m				1:1
	amples / Te		Water- Strikes	Stratum Des	scription		4	gl pi	Thickness (m)	Level m OD	-
Depth (m) 0.00 - 0.10	Type D	Results	ounco	Brown slightly clayey SAND with many rootlets	s.		ć	a 8	Ē	n Ce	
				(AGRICULTURALLY DISTURBED TOPSOIL)							
0.10 - 0.20	D						-				S
0.20 - 0.30	D								(0.30)		Ø
0.20 - 0.30	U										Ø
				Base of Excavation	n at 0.30m		o	.30		61.17	
							-				
							-				
							-				
							_				
							-				
							-				
							1 -				
							-				
							-				
							-				
							-				
							-				
							+				
							2 -				

· · · · ·	ock						Page I	٧o.	308 1 of	1	
lethod: Hai	nd-dug Pit			Date(s): 06/02/2023	Logged By: Stability: Sic				ed By		T
	-	ty Developm	ent	Co-ords: 448536.00, 213454.00	remained ve	ies ertical		nen	sions		cal
lydrock Pro				Ground Level: 61.48m OD	there guard		0.15r		0.15m	· ך	1:1
	Samples / Te:		Water-		tools				ess		-
Depth (m)	Туре	Results	Strikes	Stratum Des				Depth mbgl	Thickness (m)	Level m OD	Paceo
0.00 - 0.10	D			Brown slightly clayey SAND with many rootlets gravel of flint.	and rare subangula	r fine to mediu	m				X
0.10 - 0.20	D			(AGRICULTURALLY DISTURBED TOPSOIL)			-		(0.30)		
0.20 - 0.30	D						-		(0.00)		
				Base of Excavatio	n at 0.30m).30		61.18	
							-				
							-				
							-				
							_				
							-				
							-				
							1 -				
							-				
							_				
							-				
							-				
							_				
							-				
							-				
							-				
							-				
							2 -				
eneral Remar) Hand pit to 0		n hand tools. 2) (3 samples ta	ken for organic analysis 3) Backfilled with a	risings.		2 -				

g Pit versity Developm o: C-19114-C s / Tests pe Results	Water- Strikes	Date(s): 06/02/2023 Co-ords: 448426.00, 213532.00 Ground Level: 64.40m OD Stratum Des Brown slightly clayey SAND with many rootlets gravel of flint. (AGRICULTURALLY DISTURBED TOPSOIL)		0.15	ecke nen	ed By sion: 0.15m	y: N ⁻ s: S	T ical 1:1(
o: C-19114-C s / Tests pe Results	Water-	Ground Level: 64.40m OD Stratum Des Brown slightly clayey SAND with many rootlets gravel of flint. (AGRICULTURALLY DISTURBED TOPSOIL)	remained vertical	0.15	nen	sion : 0.15m	s: S	cal 1:1(
o: C-19114-C s / Tests pe Results	Water-	Ground Level: 64.40m OD Stratum Des Brown slightly clayey SAND with many rootlets gravel of flint. (AGRICULTURALLY DISTURBED TOPSOIL)	Plentghamd digging tools		im 🗌			
s / Tests pe Results		Stratum Des Brown slightly clayey SAND with many rootlets gravel of flint. (AGRICULTURALLY DISTURBED TOPSOIL)	cription	dium .	Depth mbgl	Thickness (m)	Level L M OD	l edend
)		Brown slightly clayey SAND with many rootlets gravel of flint. (AGRICULTURALLY DISTURBED TOPSOIL)		dium .	Depth mbgl	Thickr (m)	Level m OD	
)		gravel of flint. (AGRICULTURALLY DISTURBED TOPSOIL)	and rare subangular fine to me	dium	_			X
					-			U/)
		Base of Excavation				(0.30)		
		Base of Excavatio			-	()		
			n at 0.30m		0.30		64.10	
				-	-			
					-			
				-	-			
					-			
				-	-			
					-			
				1 -	-			
				-	-			
					-			
					-			
				-	-			
					-			
					-			
				-	-			
				-	-			
				-	-			
				2 -				
gl with hand tools. 2)	3 samples ta	ken for organic analysis 3) Backfilled with a	risings.	2 -				
	gl with hand tools. 2)	gl with hand tools. 2) 3 samples ta	gl with hand tools. 2) 3 samples taken for organic analysis 3) Backfilled with a	gl with hand tools. 2) 3 samples taken for organic analysis 3) Backfilled with arisings.				

Hydrock		Project: Begbroke			Trialpit No HDP310					
OCK										
Method: Hand-dug Pit			Date(s): 06/02/2023			Page No. 1 of 1				
Hydrock Project No: C-19114-C			Plantghamid digging tools		0.15m					
		Ground Level: 63.39m OD								
		Water- Strikes	Stratum Des	cription		epth	nickne:	evel	brana	
D				and rare subangular fin	e to medium		= F 5	36	<u>-</u>	
D			(AGRICULTURALLY DISTURBED TOPSOIL)			-	(0.20)			
D						-	(0.30)			
			Base of Excavatio	n at 0.30m		0.30		63.09		
						-				
						-				
						-				
						-				
						-				
						1 -				
						-				
						-				
						-				
						-				
						-				
						-				
						-				
						-				
	Universi ect No: C amples / Ter Type D D	University Developme ect No: C-19114-C amples / Tests Type Results D D	University Development ect No: C-19114-C amples / Tests Type Results D D D	University Development Co-ords: 448290.00, 213340.00 ect No: C-19114-C Ground Level: 63.39m OD amples / Tests Water- Strikes Type Results D Brown slightly clayey SAND with many rootlets gravel of flint. (AGRICULTURALLY DISTURBED TOPSOIL) D Image: Construction of the second seco	University Development Co-ords: 448290.00, 213340.00 Stability: Sides remained vertion the sector of the sect	d-dug Pit Date(s): 06/02/2023 Logged By: SM Stability: Sides University Development Co-ords: 448290.00, 213340.00 remained vertical ect No: C-19114-C Ground Level: 63.39m OD Plenughend digging tools amples / Tests Water- Strikes Stratum Description D Brown slightly clayey SAND with many rootlets and rare subangular fine to medium gravel of flint. (AGRICULTURALLY DISTURBED TOPSOIL)	d-dug Pit Date(s): 06/02/2023 Logged By; SM remained vertical Check University Development Co-ords: 448290.00, 213340.00 remained vertical Dimer ect No: C-19114-C Ground Level: 63.39m OD Material states of the states	d-dug Pit Date(s): 06/02/2023 Logged By: SM Stability: Sides Checked B University Development Co-ords: 448290.00, 213340.00 remained vertical Dimension: 0.15m bect No: C-19114-C Ground Level: 63.39m OD PitANghadid digging tools 0.15m imples / Tests Water- Strikes Stratum Description	d-dug Pit Date(s): 06/02/2023 Logged By: SM Stability: Sides Checked By: NT University Development Co-ords: 448290.00, 213340.00 remained vertical Dimensions: 0.15m set No: C-19114-C Ground Level: 63.39m OD Participhewid digging tools 0.15m mples / Tests Water- Strikes Stratum Description 0.15m D Brown slightly clayey SAND with many rootlets and rare subangular fine to medium gravel of fint. (AGRICULTURALLY DISTURBED TOPSOIL) 0.00	

		Project: Begbroke			Tria HD					
Hydrock										
Method: Hand-dug Pit Client: Oxford University Development Hydrock Project No: C-19114-C		Data(s): 06/02/2023		1						
			Stability: Side	is tical						
					0.15m				1:10	
		Ground Level: 64.71m OD	tools				ss			
	Results	Water- Strikes	Stratum Des	cription			lepth Ibgl	hickne: n)	evel OD ر	Poend
D			Brown slightly clayey SAND with many rootlets.					ΗЪ	32	X
			(AGRICULTURALLY DISTURBED TOPSOIL)							X
U								(0.30))))
D						_		(,		\bigcirc
			Base of Excavation	n at 0.30m			0.30		64.41	
						-				
						1				
						-				
						-				
						-				
						-				
						1-				
						-				
						-				
						-				
						-				
						-				
						-				
						-				
						-				
		1								
	d-dug Pit Universi ect No: C- amples / Tes Type D D	d-dug Pit University Developme ect No: C-19114-C amples / Tests Type Results D D	d-dug Pit University Development ect No: C-19114-C amples / Tests Type Results Water- Strikes D D D	d-dug Pit Date(s): 06/02/2023 University Development Co-ords: 448235.00, 213379.00 ect No: C-19114-C Ground Level: 64.71m OD amples / Tests Water- Type Results Vater- Strikes Brown slightly clayey SAND with many rootlets. (AGRICULTURALLY DISTURBED TOPSOIL) D D D D D D D D D D D D D D D D D D D	d-dug Pit Date(s): 06/02/2023 Logged By: S Stability: Side remained ver University Development Co-ords: 448235.00, 213379.00 remained ver ect No: C-19114-C Ground Level: 64.71m OD Planighand of tools amples / Tests Water- Strikes Stratum Description D Brown slightly clayey SAND with many rootlets. (AGRICULTURALLY DISTURBED TOPSOIL)	d-dug Pit Date(s): 06/02/2023 Logged By: SM Stability: Sides University Development Co-ords: 448235.00, 213379.00 remained vertical ect No: C-19114-C Ground Level: 64.71m OD Plenughawid digging tools amples / Tests Water- Strikes Stratum Description D Brown slightly clayey SAND with many rootlets. (AGRICULTURALLY DISTURBED TOPSOIL)	d-dug Pit Date(s): 06/02/2023 Logged By: SM Stability: Sides Che Stability: Sides University Development Co-ords: 448235.00, 213379.00 remained vertical Din ect No: C-19114-C Ground Level: 64.71m OD Plenughead digging tools 0.150 amples / Tests Water- Strikes Stratum Description 0.150 D Brown slightly clayey SAND with many rootlets. (AGRICULTURALLY DISTURBED TOPSOIL)	d-dug Pit Date(s): 06/02/2023 Coords With Stability: Sides Checker University Development Co-ords: 448235.00, 213379.00 remained vertical prenetoriated vertical prenetoriated or trained vertical prenetoriated of the stability: Sides University Development Strikes Water- strikes Water- Type Results Water- D B Brown slightly clayey SAND with many rootlets. (AGRICULTURALLY DISTURBED TOPSOIL) D B Base of Exercision at 0.30m	d-dug Pit Date(s): 06/02/2023 orgged By: SM Stability: Sides Checked By Stability: Sides University Development Co-ords: 448235.00, 213379.00 remained vertical Premipred wertical Premipred digging tools Dimensions 0.15m amples / Tests Water- Strikes Stratum Description Image tool: Premipred wertical Premipred	d-dug Pit Date(s): 06/02/2023 oogged By; SM Checked By: N University Development Co-ords: 448235.00, 213379.00 remained vertical Dimensions: S ict No: C-19114-C Ground Level: 64.71m OD itability: Sides Dimensions: S unples / Tests Water- Strikes Stratum Description g

	ock						Page N			
Method: Har	-			Date(s): 06/02/2023	Logged By: S Stability: Side	SM es		ked E	-	
		ty Developme	ent	Co-ords: 448070.00, 213444.00	remained ver			ensior 	n	Scale
lydrock Proj			1	Ground Level: 68.08m OD	tools	ngging	0.15m			1:10
	Samples / Tes		Water- Strikes	Stratum De	scription		bth	mbgl Thickness (m)	D el	Ledend
Depth (m) 0.00 - 0.10	Type D	Results	Ourkes	Brown slightly clayey slightly gravelly SAND w	vith many rootlets. Occ	asional suban	gular	ĒĒ	Level m OD	
0.10 - 0.20	D			to subrounded fine to medium gravel of quartz (AGRICULTURALLY DISTURBED TOPSOIL)	z and flint.			(0.30))	
0.20 - 0.30	D			Base of Excavati	ion at 0.30m		- 0.:	0	67.78	3
							-			
							-			
General Remar		hand tools 201		ken for organic analysis 3) Backfilled with a	arisings		2 -			

	nd-dug Pit			Data(a): 06/02/2022	Loggod Dyr	- 1	age No Checł			 T
	-			Date(s): 06/02/2023	Logged By: Stability: Sid	SIVI SS Tissel	Dime		-	i Scale
		ty Developme		Co-ords: 447997.00, 213258.00	remained ver		- ,	0.15m		1:10
lydrock Proj				Ground Level: 72.00m OD	tools	33 3	0.15m	Ś		
Depth (m)	amples / Te: _{Type}	Results	Water- Strikes	Stratum Des	cription		pth	Thickness (m)	Level m OD	Leaend
0.00 - 0.10	D	Results		Reddish brown slightly clayey slightly gravelly S	SAND with many root	lets. Occasiona		三 <u> </u>	шĘ	
0.10 - 0.20	D			subangular to subrounded fine to medium grave (AGRICULTURALLY DISTURBED TOPSOIL)	el of quartz and flint.		-	(0.30)		
0.20 - 0.30	D						-			
				Base of Excavation	n at 0.30m		0.30		71.70	
							-			
							-			
							-			
							-			
							-			
							1 -			
							-			
							-			
							-			
							-			
							-			
							-			
							-			
							-			
							-			
							2 -			

Hydro	ock					HDP			
			Data (a): 07/00/0000			Page No			
Method: Han			Date(s): 07/02/2023	Logged By: S Stability: Side	IVI S	Check Dimer			
	d University De		Co-ords: 448195.00, 213962.00	remained ver			0.15m		
	ect No: C-1911	4-C	Ground Level: 68.00m OD	tools		0.15m			1:1
	amples / Tests	Water- Strikes	Stratum De	scription		t -	Thickness (m)		
Depth (m) 0.00 - 0.10	Type F D	Results	Brown mottled grey clayey SAND with many re	ootlets.		De De	ĒĒ	Level m OD	
			(AGRICULTURALLY DISTURBED TOPSOIL)						
0.10 - 0.20	D					-			S
0.00							(0.30)		S
0.20 - 0.30	D					-			Ø
			Base of Excavati	an at 0.20m		0.30		67.70	Ø
			Dase of Excavati	011 at 0.3011					
						-			
						-			
						-			
						-			
						1 -			
						-			
						-			
						-			
						_			
						-			
						-			
						-			
						1			
eneral Remark	 :s:					2 -	1		
) Hand pit to 0.3	30m bgl with hand	tools. 2) 3 samples ta	aken for organic analysis 3) Backfilled with a	arisings.					

	je No Check Dimer 0.15m [450 ft 2 ft 2 ft 2 ft 2 ft 2 ft 2 ft 2 ft 2	ked B	By: N	Scal
ng	0.15m [0.15m	Level m OD	
	Depth mbol	Thickness (m)	Level m OD	l eriend
ts and	-			
ts and	-			
ts and	-			
	- 0.30	(0.30)	68.70	
	- 0.30	(0.30)	68.70))
	0.30		68.70	<u>,</u>
	-			
	-			
	-			
	-			
	-			
	-			
	1 -			
	-			
	-			
	-			
	-			
	-			
	_			
	2 -			
		2 -	2 -	

ethod: Ha	nd-dua Pit			Date(s): 07/02/2021	Logged By:		Page I		ed B		
	-	ity Developm	ant	Co-ords: 448438.00, 213768.00	Logged By: Stability: Sid remained ve	es es			sion		cale
			ent	Ground Level: 70.00m OD	Prientighand		0.15r	_	0.15m		1:10
ydrock Pro	Samples / Te				tools				s		
Depth (m)	Type	Results	Water- Strikes	Stratum Des	scription			epth Ibgl	Thickness (m)	Level m OD	Legend
0.00 - 0.10	D			Brown occasionally mottled grey slightly clayer occasional rare subangular to subrounded fine	y SAND with many ro	ootlets and			τu	3	<u> </u>
0.10 - 0.20	D			(AGRICULTURALLY DISTURBED TOPSOIL)	graver of quartz and	i mint.	-		(0.30)		
0.20 - 0.30	D						-		(0.00)		
				Base of Excavato	on at 0.30m			0.30		69.70	
							-				
							-				
							-				
							-				
							-				
							-				
							1 -				
							-				
							-				
							-				
							-				
							2 -				
eneral Remar Hand pit to 0		n hand tools. 2) 3	3 samples ta	ken for organic analysis 3) Backfilled with a	irisings.		2 -				

			Project: Begbroke		I	Trialpi HDP		,	
ock									
d-dua Pit			Date(s): 07/02/2023	Logged By: SN					г
-		nt		Stability: Sides	cal			-	
		/1 IL							1:10
			Ground Level: 71.00m OD	tools		1 1	ş		
		Water- Strikes	Stratum Des	cription		epth	icknes		prepe
D	Results		Brown slightly gravelly slightly clayey SAND w	ith many rootlets and fir	ne to medium	۵ i	5 F 5	шĘ	<u> </u>
D			Subangular to Subrounded gravel of flint limest (AGRICULTURALLY DISTURBED TOPSOIL)	one and quartz.		-	(0.20)		
D						-	(0.30)		
			Base of Excavatio	n at 0.30m		0.30		70.70	
						-			
						-			
						-			
						-			
						-			
						1 -			
						-			
						-			
						-			
						-			
						-			
						-			
						-			
						-			
s:						2 -			
	d-dug Pit d Universi ect No: C- amples / Ter Type D D	d-dug Pit d University Developme ect No: C-19114-C amples / Tests Type Results D D	d-dug Pit d University Development ect No: C-19114-C amples / Tests Water- Type Results Strikes D D	Ind-dug Pit Date(s): 07/02/2023 Id University Development Co-ords: 448011.00, 213934.00 ect No: C-19114-C Ground Level: 71.00m OD amples / Tests Water- Strikes Type Results D Brown slightly gravelly slightly clayey SAND w subangular to subrounded gravel of flint limest (AGRICULTURALLY DISTURBED TOPSOIL) D Image: Control of flint limest	Ind-dug Pit Date(s): 07/02/2023 Logged By: SN Stability: Sides Id University Development Co-ords: 448011.00, 213934.00 remained verti ect No: C-19114-C Ground Level: 71.00m OD Planughand dig tools amples / Tests Water- Strikes Stratum Description D Brown slightly gravelly slightly clayey SAND with many rootlets and fir subangular to subrounded gravel of flint limestone and quartz. (AGRICULTURALLY DISTURBED TOPSOIL)	Ind-dug Pit Date(s): 07/02/2023 Logged By: SM Stability: Sides Id University Development Co-ords: 448011.00, 213934.00 remained vertical ect No: C-19114-C Ground Level: 71.00m OD Imaxightawid digging tools amples / Tests Water- Strikes Stratum Description D Brown slightly gravelly slightly clayey SAND with many rootlets and fine to medium subangular to subrounded gravel of flint limestone and quartz. (AGRICULTURALLY DISTURBED TOPSOIL)	Image: result Image: r	Image: Instrument of the second sec	d-dug Pit Date(s): 07/02/2023 cogged By; SM Stability: Sudes Stability: Sudes Stability: Sudes Stability: Sudes Dimensions: S stability: Sudes Dimensions Stability: Sudes Dimensions: S Stability: Sudes Dimensions: S St

ock			Project: Begbroke		I	Trialp HDP			
					Р	age No	. 1 of	1	
nd-dug Pit			Date(s): 07/02/2023	Logged By: SN					Г
		ent		remained verti	cal	Dime			cal
				the diversity and		0.15m	0.15m	- <i>·</i>	1:1(
				Itools		L	ss		
		Strikes	Stratum Des	cription		lepth	hickne	evel OD	Paceo
D			Brown slightly gravelly slightly clayey SAND wi	th many rootlets and fin	e to medium				<u></u>
D			(AGRICULTURALLY DISTURBED TOPSOIL)	ianz.		-	(0.20)		
D						-	(0.30)		
			Base of Excavatio	n at 0.30m		0.30		72.70	
						-			
						-			
						_			
						-			
						1 -			
						-			
						-			
						-			
						-			
						-			
						-			
						-			
						-			
						-			
	nd-dug Pit d Universi fect No: C Samples / Ter D D D	nd-dug Pit d University Developme fect No: C-19114-C Samples / Tests Type Results D D	nd-dug Pit d University Development fect No: C-19114-C samples / Tests Water- Strikes D D D	Ind-dug Pit Date(s): 07/02/2023 d University Development Co-ords: 447901.00, 214085.00 iect No: C-19114-C Ground Level: 73.00m OD Samples / Tests Water- Strikes Type Results D Brown slightly gravelly slightly clayey SAND will subangular to subrounded gravel of flint and qu (AGRICULTURALLY DISTURBED TOPSOIL)	Ind-dug Pit Date(s): 07/02/2023 Logged By: SN Stability: Sides d University Development Co-ords: 447901.00, 214085.00 remained verti iect No: C-19114-C Ground Level: 73.00m OD Plantghand ditools samples / Tests Water- Strikes Stratum Description D Brown slightly gravelly slightly clayey SAND with many rootlets and fin subangular to subrounded gravel of fint and quartz. (AGRICULTURALLY DISTURBED TOPSOIL)	Image: model of the system Image: model of the system Image: model of the system Ind-dug Pit Date(s): 07/02/2023 Logged By: SM Stability: Sides Id University Development Co-ords: 447901.00, 214085.00 remained vertical Image: model of the system Ground Level: 73.00m OD Image: model of the system Image: model of the system Water- Strikes Stratum Description Image: model of the system Brown slightly gravely slightly clayey SAND with many rootlets and fine to medium subangular to subrounded gravel of flint and quartz. (AGRICULTURALLY DISTURBED TOPSOIL)	nd-dug Pit Date(s): 07/02/2023 orged By: SM Stability: Sides Check Dime d University Development Co-ords: 447901.00, 214085.00 remained vertical memory sides Dime ect No: C-19114-C Ground Level: 73.00m OD PBRHgHseid digging tools 0.15m isamples / Tests Water- Strikes Stratum Description g. D Brown slightly gravelly slightly clayey SAND with many rootels and fine to medium subangular to subrounded gravel of finit and quartz. (AGRICULTURALLY DISTURBED TOPSOIL) g. D Base of Excendent at 0.30m	nd-dug Pit Date(s): 07/02/2023 Logged By: SM Checked B d University Development Co-ords: 447901.00, 214085.00 remained vertical Dimension eet No: C-19114-C Ground Level: 73.00m OD remained vertical Dimension isamples / Tests Water-Strikes Stratum Description 0.15m 0.15m D Brown slightly gravely slightly clayey SAND with many rootlets and fine to medium subangular to subrounded gravel of finit and quarz. (AGRICULTURALLY DISTURBED TOPSOIL) 0.30 0.30 D Brown slightly areally slightly clayey SAND with many rootlets and fine to medium subangular to subrounded gravel of finit and quarz. (AGRICULTURALLY DISTURBED TOPSOIL) 0.30 D Brown slightly areally slightly clayey SAND with many rootlets and fine to medium subangular to subrounded gravel of finit and quarz. (AGRICULTURALLY DISTURBED TOPSOIL) 0.30 D Brown slightly areally slightly clayey SAND with many rootlets and fine to medium subangular to subrounded gravel of finit and quarz. (AGRICULTURALLY DISTURBED TOPSOIL) 0.30 D Brown slightly areally slightly clayey SAND with many rootlets and fine to medium subangular to subrounded gravel of finit and quarz. (AGRICULTURALLY DISTURBED TOPSOIL) 0.30 Brown slightly areally slightly clayey slightly clayey slightly clayey slightly clayey slightly clayey slightly clayer slightly clayer slightly clayer slightly clayer slightly clayer slightly c	nd-dug Pit Date(s): 07/02/2023 orgged By: SM Checked By: NT d University Development Co-ords: 447901.00, 214085.00 remained vertical Dimensions: S ect No: C-19114-C Ground Level: 73.00m OD ibolis 0.15m 1 samples / Tests Water- Stratum Description g g g g

Hydrock					HD			
Asthedulland dur Dit		Data (a): 07/02/2022	Learned Dur C		Page N			
Nethod: Hand-dug Pit		Date(s): 07/02/2023	Logged By: S Stability: Side	SIVI SS		cked l ensio	-	NI Scal
Client: Oxford University Developmen	t	Co-ords: 447773.00, 213935.00	remained ver		_	0.15		
Hydrock Project No: C-19114-C		Ground Level: 71.00m OD	tools	algging	0.15m			1:1(
Samples / Tests	Water- Strikes	Stratum Des	scription		4	Thickness	le C	m OU Fedend
Depth (m) Type Results	Suikes	Brown slightly gravelly slightly clayey SAND wi	th many rootlets and	subangular to	ć		Level	
Seneral Remarks:) Hand pit to 0.30m bgl with hand tools. 2) 3 s		subrounded fine to medium gravel of flint and or TOPSOIL). (AGRICULTURALLY DISTURBED TOPSOIL)	n at 0.30m	ALLY DISTUR	-	30	70.	

Hydro	ock ["]			Project: Begbroke			HDI	P3	320)	
							Page N				
lethod: Han				Date(s): 07/02/2023	Logged By: Stability: Sid	SM es	Che				
lient: Oxford	I Universi	ty Developme	nt	Co-ords: 448274.00, 213625.00	remained ve	rtical	Dim		510N9 0.15m		cal
ydrock Proje	ect No: C	-19114-C		Ground Level: 70.00m OD	tools	algging	0.15m] (1:1
	amples / Te		Water- Strikes	Stratum Des	cription		4	ц –	Thickness (m)	D el	
Depth (m) 0.00 - 0.10	Type D	Results	Surkes	Brown slightly clayey SAND with many rootlets			ć	a g n n n	Ē	Level m OD	
				(AGRICULTURALLY DISTURBED TOPSOIL)							
0.10 - 0.20	D						-				K
	_								(0.30)		S
0.20 - 0.30	D										Ø
				Base of Excavatio	+ 0.00			.30		69.70	Ď
				Base of Excavation	n at 0.30m						
							-				
							-				
							-				
							-				
							-				
							1 -				
							-				
							_				
							-				
							-				
							-				
							-				
	s:						2 -				

				Project: Begbroke			Trialpi			
Hydro	JCK					Pa	age No	. 1 of	1	
/lethod: Har	nd-dug Pit			Date(s): 07/02/2023	Logged By: SN Stability: Sides		Check			г Г
	-	ty Developme	ent	Co-ords: 448074.00, 213597.00	Stability: Sides remained vertice	cal	Dimer	nsion		
Hydrock Proj				Ground Level: 71.00m OD	the diversion of the stream of the		0.15m	0.15m	- <i>-</i>	1:1(
	amples / Te				tools		_ L	SS		
Depth (m)	Type	Results	Water- Strikes	Stratum Des	cription		epth	Thickness (m)	evel	brana
0.00 - 0.10	D			Brown slightly gravelly slightly clayey SAND wi	th many rootlets. Grave	l is subrounde	ed be	: F 5	36	<u>_</u>
0.10 - 0.20	D			fine to medium quartz. (AGRICULTURALLY DISTURBED TOPSOIL)			_	(0.20)		
0.20 - 0.30	D						_	(0.30)		
				Base of Excavatio	n at 0.30m		0.30		70.70	
							_			
							-			
							_			
							1 -			
							_			
							-			
							_			
							-			
							_			
							-			
							-			
							2 -			

ock						HDI Page N				
d-dug Pit			Date(s): 07/02/2023	Logged By: S						Г
		ent		Stability: Side	es tical					cal
				there granted a		0.15m		.15m	ן 1	1:10
		14/						sss	_ 	
	Results	Strikes	Stratum Des	scription		4400	nbgl biolog	nickne	evel n OD	Paceo
D			Brown slightly gravelly slightly clayey SAND wi	ith many rootlets. Grav	el is subroun	ded	1 - 1			<u></u>
D			(AGRICULTURALLY DISTURBED TOPSOIL)			-				
D						-	(0.30)		
			Base of Excavatio	n at 0.30m		0	30		70.70	
						-				
						-				
						_				
						-				
						-				
						-				
						1 -				
						-				
						-				
						-				
						_				
						-				
						-				
						2 -				
	d Universi ect No: C amples / Tee Type D D	ect No: C-19114-C amples / Tests Type Results D D	d University Development ect No: C-19114-C amples / Tests Water- Type Results Strikes D D	d University Development Co-ords: 448211.00, 213673.00 ect No: C-19114-C Ground Level: 71.00m OD amples / Tests Water- Strikes Type Results D Brown slightly gravelly slightly clayey SAND wi fine to medium quartz. (AGRICULTURALLY DISTURBED TOPSOIL) D Image: Construction of the second s	Stability: Side d University Development Co-ords: 448211.00, 213673.00 remained ver ect No: C-19114-C Ground Level: 71.00m OD Plantghand of tools amples / Tests Water- Strikes Stratum Description D Brown slightly gravelly slightly clayey SAND with many rootlets. Grav fine to medium quartz. (AGRICULTURALLY DISTURBED TOPSOIL)	d-dug Pit Date(s): 07/02/2023 Logged By: SM Stability: Sides d University Development Co-ords: 448211.00, 213673.00 remained vertical ect No: C-19114-C Ground Level: 71.00m OD Plantghand digging tools amples / Tests Water- Strikes Stratum Description D Brown slightly gravelly slightly clayey SAND with many rootlets. Gravel is subround fine to medium quartz. (AGRICULTURALLY DISTURBED TOPSOIL)	d-dug Pit Date(s): 07/02/2023 Logged By: SM Statum States Che d University Development Co-ords: 448211.00, 213673.00 remained vertical Dim remained vertical Dim tools amples / Tests Water- Strikes Water- Strikes Stratum Description 0.15m D Brown slightly gravelly slightly dayey SAND with many rootlets. Gravel is subrounded fine to medium quartz. (AGRICULTURALLY DISTURBED TOPSOIL) Base of Excavation at 0.30m	d-dug Pit Date(s): 07/02/2023 Logged By: SM Statully: Sides Checker remained vertical d University Development Co-ords: 448211.00, 213673.00 remained vertical Dimension amples / Tests Water- Strikes Ground Level: 71.00m OD Plentghavkid digging tools 0.15m D Brown slightly gravelly slightly dayey SAND with many rootlets. Gravel is subrounded fine to medium quartz. (AGRICULTURALLY DISTURBED TOPSOIL) 52 8 0.00 D Base of Excavation at 0.30m 0.00	d-dug Pit Date(s): 07/02/2023 Logged By: SM Stability: Sides Checked By Dimensions d-University Development Co-ords: 448211.00, 213673.00 remained vertical Dimensions amples / Tests Water- Strikes Ground Level: 71.00m OD Ptengheads digging tools 0.15m D Results Vater- Strikes Stratum Description g	d-dug Pit Date(s): 07/02/2023 Logged By; SM Checked By: NI d University Development Co-ords: 448211.00, 213673.00 remained vertical Dimensions: S ect No: C-19114-C Ground Level: 71.00m OD Pterughead digging tools 0.15m 0.15m amples / Tests Water- Strikes Stratum Description Egg Product Egg Product Egg Product (0.30) D Brown slightly gravelly slightly clayey SAND with many rootlets. Gravel is subrounded fine to medium quarz. (AGRICULTURALLY DISTURBED TOPSOIL) (0.30) (0.30) D Base of Excendent at 0.30m 0.30 70.70

	ock			Project: Begbroke			Trialpi		3	
iyurt						Pa	age No	. 1 of	1	
/lethod: Har	nd-dug Pit			Date(s): 07/02/2023	Logged By: SM Stability: Sides		Check			г
		ty Developme	ent	Co-ords: 447933.00, 213800.00	remained vertic	al	Dimer	nsion	s: S	
lydrock Proj				Ground Level: 68.00m OD	Prientighanta dig		0.15m	0.15m	· ך	1:1(
	Samples / Tes		Water-		tools			ess		
Depth (m)	Туре	Results	Strikes	Stratum Des	cription		Depth	Thickness (m)	Level m OD	brana
0.00 - 0.10	D			Brown slightly gravelly slightly clayey SAND wi fine to medium quartz.	th many rootlets. Gravel	is subrounde	d			X
0.10 - 0.20	D			(AGRICULTURALLY DISTURBED TOPSOIL)			_	(0.30)		
0.20 - 0.30	D						-	(0.50)		
				Base of Excavatio	n at 0.30m		0.30		67.70	<u>)</u>
							-			
							-			
							-			
							-			
							1 -			
							-			
							-			
							-			
							-			
							-			
							-			
							-			
							-			

Hvar	ock			Project: Begbroke			Trialp HDP			
Hydro						P	age No	o. 1 of	1	
/lethod: Har	nd-dug Pit			Date(s): 07/02/2023	Logged By: S Stability: Side		Chec			т
		ty Developme	ent	Co-ords: 447858.00, 213717.00	remained vert	s ical	Dime	nsion	s: S	
lydrock Proj				Ground Level: 73.00m OD	theref grand		0.15m	0.15m	_ .	1:10
	Samples / Te		14/		tools			ss		
Depth (m)	Туре	Results	Water- Strikes	Stratum Des	cription		epth	mbgl Thickness (m)	Level m OD	Paceo
0.00 - 0.10	D			Brown slightly gravelly slightly clayey SAND wi fine to medium of quartz and flint.	th many rootlets. Grav	el is subround	ed			Ŵ
0.10 - 0.20	D			(AGRICULTURALLY DISTURBED TOPSOIL)			-	(0.30)		
0.20 - 0.30	D						-	(0.00)		
				Base of Excavatio	n at 0.30m		0.30	,	72.70	
							-			
							_			
							-			
							_			
							-			
							1 -			
							_			
							-			
							-			
							-			
							2 -			

ock			Project: Begbroke			Trialpi HDP		5	
					Р	age No	. 1 of	1	
nd-dug Pit			Date(s): 07/02/2023	Logged By: SI	М	Check	ked B	y: N	Г
d Universi	ity Developme	ent	Co-ords: 447754.00, 213706.00	remained vert	» ical	Dime			cal
					gging	0.15m	0.15m	<i>.</i> ار	1:10
		Water					sse		
Туре	Results	Strikes	Stratum Des	cription		Depth	m) m)	-evel n OD	puepe
D				th many rootlets. Grave	el is subround	ed			Ŵ
D			(AGRICULTURALLY DISTURBED TOPSOIL)			-	(0.30)		
D						-	(0.30)		
			Base of Excavatio	n at 0.30m		0.30		71.70	
						-			
						-			
						-			
						-			
						-			
						1 -			
						-			
						-			
						-			
						-			
						-			
						-			
						-			
						-			
	d Universi ect No: C amples / Te Type D D	nd-dug Pit d University Developme ect No: C-19114-C camples / Tests Type Results D D	nd-dug Pit d University Development ect No: C-19114-C samples / Tests Water- Strikes D D D D	Ind-dug Pit Date(s): 07/02/2023 d University Development Co-ords: 447754.00, 213706.00 ect No: C-19114-C Ground Level: 72.00m OD iamples / Tests Water- Strikes Type Results D Brown slightly gravelly slightly clayey SAND wi fine to medium of quartz and flint. (AGRICULTURALLY DISTURBED TOPSOIL)	Ind-dug Pit Date(s): 07/02/2023 Logged By: SI Stability: Sides d University Development Co-ords: 447754.00, 213706.00 remained vert ect No: C-19114-C Ground Level: 72.00m OD Ptentightanid di tools amples / Tests Water- Strikes Stratum Description D Brown slightly gravelly slightly clayey SAND with many rootlets. Grave fine to medium of quartz and flint. (AGRICULTURALLY DISTURBED TOPSOIL)	Image: model with an analysis of the second state	Page No nd-dug Pit Date(s): 07/02/2023 Logged By; SM Check d University Development Co-ords: 447754.00, 213706.00 remained vertical Diment ect No: C-19114-C Ground Level: 72.00m OD Integraphend digging 0.15m iamples / Tests Water-Strikes Stratum Description Integraphend digging 0.15m Type Results Water-Strikes Stratum Description Integraphend digging 0.15m D Brown slightly gravelly slightly clayey SAND with many rootlets. Gravel is subrounded fine to medium of quartz and fin: (AGRICULTURALLY DISTURBED TOPSOIL) Integraphend digging 0.30 D Brown slightly gravelly slightly clayey GAND with many rootlets. Gravel is subrounded fine to medium of quartz and fin: (AGRICULTURALLY DISTURBED TOPSOIL) Integraphend digging 0.30	Page No. 1 of hd-dug Pit Date(s): 07/02/2023 cogged By: SM Checked B d University Development Co-ords: 447754.00, 213706.00 remained vertical Dimension: ect No: C-19114-C Ground Level: 72.00m OD Ptextgheakd digging 0.15m 0.15m tamples / Tests Water-Strikes Stratum Description Image Stratum	ad-dug Pit Date(s): 07/02/2023 orgged By: SM Checked By: NT d University Development Co-ords: 447754.00, 213706.00 remained vertical Dimensions: S ect No: C-19114-C Ground Level: 72.00m OD Itability: Sides 0.15m 1 amples / Tests Water-Strikes Stratum Description g g g<

	ock						HD Page I				
/lethod: Har	id-dug Pit			Date(s): 07/02/2023	Logged Bv:		1		ed By		Г
		ty Developme	ent	Co-ords: 447467.00, 213574.00	Logged By: Stability: Sig remained ve	les ertical			sion		cal
lydrock Proj				Ground Level: 71.00m OD	there granted		0.15		0.15m		1:1(
	amples / Tes				tools				ss		
Depth (m)	Type	Results	Water- Strikes	Stratum Des	cription			epth bgl	Thickness (m)	Level m OD	propo
0.00 - 0.10	D			Brown slightly gravelly slightly clayey with man	y rootlets. Gravel is	subrounded fin	e to		FS	3 8	<u> </u>
0.10 - 0.20	D			medium of quartz and flint. (AGRICULTURALLY DISTURBED TOPSOIL)			-				X
0.20 - 0.30	D						-		(0.30)		
				Base of Excavatio	n at 0.30m			0.30		70.70	
							-				
							-				
							_				
							-				
							-				
							-				
							1 -				
							-				
							-				
							-				
							-				
							_				
							-				
							-				
							-				
							2 -				

				Project: Begbroke			Trialp HDP			
Hydro	JCK						age No			
/lethod: Har	od-dua Pit			Date(s): 07/02/2023	Logged By: SI		Chec			т
		ty Developme	nt	Co-ords: 447322.00, 213710.00	Logged By: SI Stability: Sides remained verti	ical	Dime		-	
			JIL		Plantghand di			0.15m		1:10
lydrock Proj				Ground Level: 69.00m OD	tools		0.15m	s		
Depth (m)	Samples / Te	Results	Water- Strikes	Stratum Des	cription		epth	Thickness (m)	Level m OD	propo
0.00 - 0.10	D	results		Brown slightly gravelly slightly clayey SAND wi	th many rootlets. Grave	el is subround	ed	E È È	μĽ	
0.10 - 0.20	D			fine to medium of quartz and flint. (AGRICULTURALLY DISTURBED TOPSOIL)			_	(0.30)		
0.20 - 0.30	D						-	(0.00)		
				Base of Excavatio	n at 0.30m		0.30		68.70	
							-			
							-			
							_			
							_			
							1 -			
							-			
							-			
							-			
							-			
							2 -			

Hydro	ock∎¦			Project: Begbroke			Trialpi HDP		3	
i yart						Pa	age No	. 1 of	1	
Method: Han	id-dug Pit			Date(s): 07/02/2023	Logged By: SN Stability: Sides	l	Check	ed B	y: N	Г
Client: Oxford	d Universi	ty Developme	ent	Co-ords: 447376.00, 213492.00	remained vertic	al	Dimer	1 sion : 0.15m	s: S	cal
- - - - - - - - - - - - - - - - - - -	ect No: C	-19114-C		Ground Level: 70.00m OD	tools	Iging	0.15m	0.1511	` [1:10
S	amples / Te	sts	Water-					less		
Depth (m)	Туре	Results	Strikes	Stratum Des			Depth	Thickness (m)	Level m OD	Prepe
0.00 - 0.10	D			Brown slightly gravelly slightly clayey SAND wi fine to medium of quartz and flint.	th many rootlets. Gravel	is subrounde	d			H
0.10 - 0.20	D			(AGRICULTURALLY DISTURBED TOPSOIL)			-	(0.30)		
0.20 - 0.30	D									
				Base of Excavatio	n at 0.30m		0.30		69.70	
							-			
							-			
							-			
							-			
							1 -			
							-			
							_			
							-			
							_			
							-			
							-			
							-			
							-			
							-			
							2 -			

ock									
nd-dug Pit			Date(s): 07/02/2023	Logged By: Stability: Sid	SM es			-	
d Universi	ty Developme	ent	Co-ords: 447362.00, 213407.00	remained ve	rtical	Dime		n	Scale
ject No: C	-19114-C		Ground Level: 69.00m OD	Prientg Prevind tools	aigging	0.15m			1:10
Samples / Te	sts	Water-	Stratum Des			ţ	kness	-0	pue
Туре	Results	Strikes		-	avel is subroun		Thic (m)	D Leke	ledend
D			fine to medium of quartz and flint. (AGRICULTURALLY DISTURBED TOPSOIL)			-	(0.30)	
			Base of Excavatio	n at 0.30m			0	68.7	0
						-			
						1 -			
						-			
						-			
						-			
	nd-dug Pit rd Universi ject No: C Samples / Ter D D D	nd-dug Pit rd University Developme ject No: C-19114-C Samples / Tests Type Results D D	nd-dug Pit rd University Development ject No: C-19114-C Samples / Tests Water- Strikes D D D	nd-dug Pit Date(s): 07/02/2023 rd University Development Co-ords: 447362.00, 213407.00 ject No: C-19114-C Ground Level: 69.00m OD Samples / Tests Water- Strikes Stratum Des Type Results Brown slightly gravelly slightly clayey SAND wi fine to medium of quartz and flint. (AGRICULTURALLY DISTURBED TOPSOIL)	Ind-dug Pit Date(s): 07/02/2023 Logged By: Stability: Sid Id University Development Co-ords: 447362.00, 213407.00 remained ve ject No: C-19114-C Ground Level: 69.00m OD Plantghand tools Samples / Tests Water- Strikes Stratum Description D Brown slightly gravelly slightly clayey SAND with many rootlets. Grafine to medium of quartz and flint. (AGRICULTURALLY DISTURBED TOPSOIL) Grade to the stratum of the strategies of	Ind-dug Pit Date(s): 07/02/2023 Logged By: SM Id University Development Co-ords: 447362.00, 213407.00 remained vertical ject No: C-19114-C Ground Level: 69.00m OD Plantghand digging tools Samples / Tests Water-Strikes Stratum Description Type Results Brown slightly gravelly slightly clayey SAND with many rootlets. Gravel is subroun fine to medium of quartz and fint. (AGRICULTURALLY DISTURBED TOPSOIL) Gravel is subroun fine to medium of quartz and fint.	Ind-dug Pit Date(s): 07/02/2023 Logged By: SM Check d University Development Co-ords: 447362.00, 213407.00 remained vertical Dime ject No: C-19114-C Ground Level: 69.00m OD Plentghearkd digging 0.15m Samples / Tests Water-Strikes Stratum Description 0 D Brown slightly gravelly slightly dayey SAND with many rootlets. Gravel is subrounded fine to medium of quart and fint. (AGRICULTURALLY DISTURBED TOPSOIL) 0	Ind-dug Pit Date(s): 07/02/2023 Logger (By: SM) Checked F Id University Development Co-ords: 447362.00, 213407.00 remained vertical Dimension ject No: C-19114-C Ground Level: 69.00m OD Markghawkid digging 0.15m 0.15m Samples / Tests Water-Strikes Stratum Description Image Results I	Image No. 1 of 1 Date(s): 07/02/2023 Logged By: SM Checked By: N id University Development Co-ords: 447362.00, 213407.00 remained vertical Dimensions: 1 ject No: C-19114-C Ground Level: 69.00m OD interview of the second of the seco

Hydro	ock			Project: Begbroke			Trialpi HDP:	330		
							age No.			
Method: Har				Date(s): 07/02/2023	Logged By: SI Stability: Sides	vi ≩	Check Dimer		-	
		ty Developme	ent	Co-ords: 447375.00, 213204.00	remained verti			0.15m		1:10
Hydrock Proj				Ground Level: 71.00m OD	tools	פיייש	0.15m	6		
	Samples / Tes		Water- Strikes	Stratum Des	cription		a pt	Thickness (m)	Level m OD	Legend
Depth (m)	Type D	Results	Ounces	Brown slightly gravelly slightly clayey SAND wi	th many rootlets. Grave	el is subrounde	ed ed	Thi (m)	a c	
0.10 - 0.20	D			fine to medium of quartz flint and limestone. (AGRICULTURALLY DISTURBED TOPSOIL)			_	(0.30)		
0.20 - 0.30	D						-	(0.00)		
				Base of Excavatio	n at 0.30m		-			
							-			

Juder				Project: Begbroke			Trialpi HDP			
Hydro	JCK						age No			
1ethod: Har	nd-dua Pit			Date(s): 07/02/2023	Logged By: SI		Check			г
	-	ty Developme	ent	Co-ords: 447446.00, 213309.00	Logged By: SI Stability: Side remained vert	s ical	Dime		-	
lydrock Proj				Ground Level: 73.00m OD	HINERALISI HERMICI		0.15m	0.15m		1:1(
	amples / Te				tools	-	_ L	s		
Depth (m)	Type	Results	Water- Strikes	Stratum Des	cription		epth	Thickness (m)	Level m OD	brand
0.00 - 0.10	D			Brown slightly gravelly slightly clayey SAND wi	th many rootlets. Grave	el is subround	ed ed	: F 5	36	<u>_</u>
0.10 - 0.20	D			fine to medium quartz flint and limestone. (AGRICULTURALLY DISTURBED TOPSOIL)			-	(0.30)		
0.20 - 0.30	D						-	(0.00)		
				Base of Excavatio	n at 0.30m		0.30		72.70	
							-			
							-			
							-			
							-			
							1 -			
							-			
							-			
							-			
	(s:						2 -			

lydro							Page N	١o.	1 of	1	
ethod: Ha	nd-dug Pit			Date(s): 07/02/2023	Logged By Stability: Si	SM	Che	cke	ed B	/: N	Г
lient: Oxfo	rd Universi	ity Developm	ent	Co-ords: 447485.00, 213779.00	remained v	ertical	Dim		sion	s: S	cal
ydrock Pro	ject No: C	-19114-C		Ground Level: 72.00m OD	tools	d digging	0.15r	n 🗌	0.15m] [,]	1:10
	Samples / Te	sts	Water-	Stratum Des				e _	Thickness (m)	- 0	
Depth (m) 0.00 - 0.10	Туре D	Results	Strikes	Reddish brown slightly gravelly slightly clayey		atlata Craval is	1	Depi mbg	(m)	Level m OD	
0.10 - 0.20	D			(AGRICULTURALLY DISTURBED TOPSOIL)	Jartz and flint.	Juliets. Graver is	-				
0.20 - 0.30	D						-		(0.30)		
				Base of Excavatio	n at 0.30m			<u>).30</u>		71.70	<u>)</u>
							-				
							-				
							-				
							-				
							-				
							1 -				
							-				
							-				
							-				
							-				
							-				
							-				
							2 -				
eneral Remai Hand pit to 0		hand tools. 2)	3 samples ta	ken for organic analysis 3) Backfilled with a	risings.						

	nd-dug Pit			Date(s): 07/02/2023	Logged By: S		Page No Chec			 т
		ty Developme	nt	Co-ords: 447558.00, 213792.00	Logged By: S Stability: Side remained ver	S S	Dime		-	i Scale
			, I I L				0.15m	0.15m		1:10
lydrock Proj	amples / Te			Ground Level: 67.00m OD	tools			ş		
Depth (m)	Type	Results	Water- Strikes	Stratum Des	scription		epth	mbgl Thickness (m)	Level m OD	Legend
0.00 - 0.10	D			Reddish brown slightly gravelly slightly clayey subangular to subrounded fine to medium grav (AGRICULTURALLY DISTURBED TOPSOIL)	SAND with many rootl vel of quartz and flint.	ets. Gravel is			3	
0.10 - 0.20	D						-	(0.30)		
0.20 - 0.30	D						-			
				Base of Excavatio	on at 0.30m		0.30		66.70	
							-			
							-			
							-			
							-			
							-			
							-			
							1 -			
							-			
							-			
							-			
							-			
							-			
							-			
							-			
							-			
							2 -			

Hydro						•	Page No			
Aethod: Han				Date(s): 07/02/2023	Logged Stability	By: SM Sides	Checł Dime		-	i cale
	d University D		ent	Co-ords: 447658.00, 213811.00		d vertical and digging	┥,	0.15m		1:10
	ect No: C-191	14-C		Ground Level: 69.00m OD	tools		0.15m	ø		Г. IC
	amples / Tests	Results	Water- Strikes	Stratum De	scription		bth	Thickness (m)	Level m OD	Leaend
Depth (m) 0.00 - 0.10	Type D	Results		Reddish brown slightly gravelly slightly clayey	SAND with ma	ny rootlets. Gravel is	ة <u>م</u>	<u> </u>	зE	
0.10 - 0.20	D			subangular to subrounded fine to medium gra (AGRICULTURALLY DISTURBED TOPSOIL)	vel of quartz an	d flint.	_	(0.30)		
0.20 - 0.30	D			Base of Excavat	ion at 0.30m		0.30		68.70	
							-			
General Remark) Hand pit to 0.		d tools. 2) 3	samples tal	ken for organic analysis 3) Backfilled with a	arisings.		2 -			

Hydro				Project: Begbroke			Trialp HDF			
Hydro	JCK					Pa	age N	o. 1 c	of 1	
lethod: Han	d-dug Pit			Date(s): 07/02/2023	Logged By: S Stability: Side		Chec			١T
lient: Oxford	l Universi	ity Developme	nt	Co-ords: 447688.00, 213731.00	remained vert	ical	Dime			Scal
ydrock Proje	ect No: C	-19114-C		Ground Level: 71.00m OD	therigheria d	igging	0.15m	0.15	<u>m</u>	1:1
	amples / Te		Water-		tools			less	T	
Depth (m)	Туре	Results	Strikes	Stratum Deso			Depth	mbgl Thickness	Level m	
0.00 - 0.10	D			Reddish brown slightly gravelly clayey SAND w to subrounded fine to medium gravel of quartz a	ith many rootlets. Grav and flint.	vel is subangul	lar			
0.10 - 0.20	D			(AGRICULTURALLY DISTURBED TOPSOIL)			-			
								(0.30))	
0.20 - 0.30	D						-			
				Base of Excavation	n at 0.30m		0.3	0	70.7	/0 //</td
							_			
							-			
							-			
							-			
							-			
							1 -			
							-			
							-			
							-			
							-			
							_			
							-			
							-			
							-			
							2 -			

Hydro							Page No			
Method: Han	id-dug Pit			Date(s): 07/03/2023	Logged E Stability:	By: SM Sides	Checl		-	
Client: Oxford	d University De	velopmer	nt	Co-ords: 447525.00, 213715.00	remained	vertical	Dime	nsion _{0.15m}		Scale
lydrock Proj	ect No: C-1911	4-C		Ground Level: 69.00m OD	tools	nd digging	0.15m			1:10
S	amples / Tests		Water-	Stratum De			£.	Thickness (m)		pue
Depth (m)	•••	Results	Strikes			s Gravel is suban		gan ⊢ DitF	Level m OD	lenend
0.00 - 0.10 0.10 - 0.20 0.20 - 0.30				Reddish brown slightly gravelly clayey SAND to subrounded fine to medium gravel of quartz (AGRICULTURALLY DISTURBED TOPSOIL) Base of Excavati	and flint.	s. Gravel is suban	jular - - - - - - - - - - - - - - - - - - -	(0.30)	68.70	
							-			
General Remark) Hand pit to 0.1		tools. 2) 3 s	amples tal	ken for organic analysis 3) Backfilled with a	arisings.		2 -			

Client: Oxford University Development Co-ords: 447569.00, 213537.00 remained vertical Dimensions: Scal	Litent: Oxford University Development Co-ords: 447569.00, 213537.00 Trained vertical mined vertical framined vertical frammed vertic	Hydro							Page No	o. 1 o	[:] 1	
Lient: Oxford University Development Co-ords: 447569.00, 213537.00 remained vertical premined vertical premined vertical premined digging tools Dimensions: Scal (1,1) Samples / Tests Water- Strikes Stratum Description Image: space of the subsequence of the	Client: Oxford University Development Co-ords: 447569.00, 213537.00 remained vertical provided digging tools Dimensions: Scaling of the second digging tools Other second digging tools Dimensions: of the second digging tools Other second digging	/lethod: Har	nd-dug Pit			Date(s): 08/03/2023	Logged By Stability: Si	SM	Chec	ked B	y: N	Т
Hydrock Project No: C-19114-C Ground Level: 68.00m OD Prior Mutham digging loois 0.15m 11.11 Samples / Tests Water- Strikes Stratum Description Image: Comparison of the subangular to suboranded fine to medium gravel of quartz and fint. (AGRICULTURALLY DISTURBED TOPSOIL) Image: Comparison of the subangular to suboranded fine to medium gravel of quartz and fint. (AGRICULTURALLY DISTURBED TOPSOIL) Image: Comparison of the subangular to suboranded fint. (AGRICULTURALLY DISTURBED TOPSOIL) Image: Comparison of the subangular to suboranded fint. (AGRICULTURALLY DISTURBED TOPSOIL) Image: Comparison of the subangular to suboranded fint. (AGRICULTURALLY DISTURBED TOPSOIL) Image: Comparison of the subangular to suboranded fint. (AGRICULTURALLY DISTURBED TOPSOIL) Image: Comparison of the subangular to suboranded fint. (AGRICULTURALLY DISTURBED TOPSOIL) Image: Comparison of the subangular to subangular to suboranded fint. (AGRICULTURALLY DISTURBED TOPSOIL) Image: Comparison of the subangular to sub	Hydrock Project No: C-19114-C Ground Level: 68.00m OD Prenty Hang digging loots 0.15m 11.11 Samples / Tests Water- Depth (m) Type Results Stratum Description Image: Comparison of the compari	Client: Oxfore	d University [Developme	ent	Co-ords: 447569.00, 213537.00	remained v	ertical	Dime			cale
Samples / Tests Water- Strikes Stratum Description end of the subsection of the su	Samples / Tests Water- Strikes Stratum Description end of the subsection of the su	łydrock Proj	ect No: C-19	114-C		Ground Level: 68.00m OD		d digging				1:10
0.00 - 0.10 D Reddish brown slightly gravellod quaye SAND with many rootlets. Gravel is subangular to subconded fine to medium gravel of quartz and fint. (AGRICULTURALLY DISTURBED TOPSOIL) - - (0.30) 0.20 - 0.30 D - - - (0.30) -	0.00 - 0.10 D Reddish brown slightly gravellod quaye SAND with many rootlets. Gravel is subangular to subconded fine to medium gravel of quartz and fint. (AGRICULTURALLY DISTURBED TOPSOIL) - - (0.30) 0.20 - 0.30 D - - - (0.30) -	S	amples / Tests			Stratum De			٩	kness		pu
0.10 - 0.20 D	0.10 - 0.20 D			Results	Strikes			Gravel is subary		(m) (m)	Leve m Ol	Lege
		0.10 - 0.20	D			to subrounded fine to medium gravel of quartz (AGRICULTURALLY DISTURBED TOPSOIL)	: and flint.	Gravel is suban	gular - - - - - - - - - - - - - - -	(0.30)		

Hydro	ock ⁼			Project: Begbroke			HD				
							Page I				
lethod: Han				Date(s): 08/02/2023	Logged By: Stability: Sid	SM es			ed By		T ical
		ty Developme	nt	Co-ords: 448785.00, 213158.00	remained ve		_	_	0.15m		
ydrock Proje			[Ground Level: 59.00m OD	tools	ugging	0.15r				1:1
	amples / Te		Water- Strikes	Stratum Des	cription			gl bth	Thickness (m)	Level m OD	
Depth (m) 0.00 - 0.10	Type D	Results		Brown slightly clayey SAND with many rootlets				a f	Ęξ	цĘ	
				(AGRICULTURALLY DISTURBED TOPSOIL)							K
0.10 - 0.20	D						-				
0.20 - 0.30	D								(0.30)		Ø
0.20 - 0.30	D										Ø
				Base of Excavation	n at 0.30m			0.30		58.70	Ø
							-				
							-				
							1				
							-				
							-				
							-				
							1 -				
							-				
							_				
							-				
							-				
							-				
							1				
							_				
							-				
							-				
	s:						2 -				

Hydro	JCK						Page N		339 1 of		
lethod: Har	nd-dug Pit			Date(s): 08/02/2023	Logged By Stability: S				ed By		Г
		ty Developm	ent	Co-ords: 448445.00, 212844.00	remained v	ides /ertical			sions		cal
lydrock Proj				Ground Level: 65.00m OD	Prenughaw		0.15r		0.15m	· اړ	1:1(
	Samples / Tes		10/-1		tools				SS		
Depth (m)	Туре	Results	Water- Strikes	Stratum Des	cription		:	Jepth nbgl	Thickness (m)	Level m OD	pappe
0.00 - 0.10	D			Brown occasionally mottled orange brown clay	ey SAND with ma	ny rootlets. Rare	find				<u> </u>
0.10 - 0.20	D			subangular gravel of brick and coal. (AGRICULTURALLY DISTURBED TOPSOIL)			-		(0.00)		X
0.20 - 0.30	D						-		(0.30)		
				Base of Excavatio	n at 0.30m			0.30		64.70	
							-				
							-				
							-				
							-				
							-				
							-				
							1 -				
							-				
							-				
							-				
							-				
							-				
							-				
							-				
							-				1
							2 -				
eneral Remarl) Hand pit to 0.		hand tools. 2) (3 samples ta	ken for organic analysis 3) Backfilled with a	risings.		_				

ent Vater- Strikes	Date(s): 08/02/2023 Co-ords: 448450.00, 212983.00 Ground Level: 65.00m OD Stratum De Brown occasionally mottled orange brown clay (AGRICULTURALLY DISTURBED TOPSOIL)	vey SAND with many	P SM es rtical digging	HDP: age No. Check Dimer 0.15m	1 of ed By sions 0.15m	1 /: NT
Water-	Co-ords: 448450.00, 212983.00 Ground Level: 65.00m OD Stratum De Brown occasionally mottled orange brown clay (AGRICULTURALLY DISTURBED TOPSOIL)	remained ve	SM es rtical digging	Check Dimen 0.15m [tage tage -	ed By sions 0.15m	y: NT S: Sc 1 I I I I I I I I I I I I I
Water-	Ground Level: 65.00m OD Stratum De Brown occasionally mottled orange brown clay (AGRICULTURALLY DISTURBED TOPSOIL)	remained ve	rtical digging	Dimen 0.15m	SiOns 0.15m (m)	
Water-	Ground Level: 65.00m OD Stratum De Brown occasionally mottled orange brown clay (AGRICULTURALLY DISTURBED TOPSOIL)	tools scription rey SAND with many		- Depth mbol	Thickness (m)	
	Stratum De Brown occasionally mottled orange brown clay (AGRICULTURALLY DISTURBED TOPSOIL)	scription	rootlets.	-		
	Brown occasionally mottled orange brown clay (AGRICULTURALLY DISTURBED TOPSOIL)	vey SAND with many	rootlets.	-		
	(AGRICULTURALLY DISTURBED TOPSOIL)		rootlets.	- 0.30	(0.30)	64.70
	Base of Excavati	on at 0.30m		- 0.30	(0.30)	64.70
	Base of Excaval	on at 0.30m		- 0.30	(0.30)	64.70
	Base of Excavati	on at 0.30m		-		64.70
	Base of Excavati	on at 0.30m		0.30 - - - -		64.70
		on at 0.30m		-		
				-		
				-		
				-		
				-		
				-		
				-		
				-		
				1 -		
1						
				-		
				-		
				-		
				-		
				-		
				1		
				1		
				2 -		
1				2 -		
						samples taken for organic analysis 3) Backfilled with arisings.

Hvdro	ock			Project: Begbroke			HDF	534	1		
iyurt						F	Page N	lo. 1	of 1		
/lethod: Han	id-dug Pit			Date(s): 08/02/2023	Logged By: Sl Stability: Side	M	Che	cked	By:	NT	
Client: Oxford	d Universi	ity Developme	ent	Co-ords: 448437.00, 213172.00	remained vert	ical	Dim			Sc	al
lydrock Proj	ect No: C	-19114-C		Ground Level: 65.00m OD	tools	igging	0.15m	0.1	om	1	:1(
	amples / Te		Water-					less			
Depth (m)	Туре	Results	Strikes	Stratum Des			Denth	Thickness	(m)		pageo
0.00 - 0.10	D			Brown slightly clayey SAND with many rootlets (AGRICULTURALLY DISTURBED TOPSOIL)							Ķ
0.10 - 0.20	D						-	(0.3	201		X) X)
0.20 - 0.30	D						-	(0.3	50)		X
				Base of Excavatio	n at 0.30m		0.	30	6	54.70	<u>%</u>
							-				
							-				
							-				
							-				
							-				
							1 -				
							-				
							-				
							-				
							-				
							-				
							-				
							-				
							-				
							2 -				

	ock						Page N	lo.	1 of	1	
/lethod: Han	id-dug Pit			Date(s): 08/02/2023	Logged By: Stability: Sid	SM	Che	cke	ed By	/: N	г
Client: Oxford	d Universi	ty Developme	ent	Co-ords: 448036.00, 212662.00	remained ve	rtical	Dim		sions	s: S	cal
lydrock Proj	ect No: C·	-19114-C		Ground Level: 66.00m OD	House tools	digging	0.15n		0.15m) <i>`</i>	1:10
S	amples / Tes	sts	Water-	Charture Dec				_	ness		
Depth (m)	Туре	Results	Strikes	Stratum Des			:	mbgl	Thickness (m)	Level m OD	l eqend
0.00 - 0.10	D			Brown occasionally mottled orange brown sligh rootlets. Gravel is subrounded fine to medium of	ntly gravelly clayey SA of quartz and flint.	AND with man	у				X
0.10 - 0.20	D			(AGRICULTURALLY DISTURBED TOPSOIL)			-		(0.30)		
0.20 - 0.30	D						-		(0.30)		
				Base of Excavatio	n at 0.30m			.30		65.70	
											1
											1
							-				1
							-				1
							-				1
							_				1
											1
							-				I
							1 -				I
							-				1
											1
											1
							-				I
							-				I
							-				I
											I
							-				I
							-				I
							-				I
											I
											I
eneral Remark							2 -				

ydrock Project	dug Pit niversity Devel No: C-19114-C ples / Tests Type Resul D D D	Water-	Date(s): 08/02/2023 Co-ords: 448121.00, 212709.00 Ground Level: 62.00m OD Stratum Des Brown occasionally mottled orange brown sligh rootlets. Gravel is subrounded fine to medium of (AGRICULTURALLY DISTURBED TOPSOIL)	tly gravelly clayey SAND with m	0.15r		sions 0.15m	s: S	cal 1:1(
ydrock Project Samp Depth (m) 0.00 - 0.10 0.10 - 0.20	No: C-19114-C oles / Tests Type Result D D	Water-	Ground Level: 62.00m OD Stratum Des Brown occasionally mottled orange brown sligh rootlets. Gravel is subrounded fine to medium of	remained vertical	0.15r	n	0.15m		1:1(
ydrock Project Samp Depth (m) 0.00 - 0.10 0.10 - 0.20	No: C-19114-C oles / Tests Type Result D D	Water-	Ground Level: 62.00m OD Stratum Des Brown occasionally mottled orange brown sligh rootlets. Gravel is subrounded fine to medium of	tools cription tly gravelly clayey SAND with m		n 🗌			
Samp Depth (m) 0.00 - 0.10 0.10 - 0.20	Dies / Tests Type Result D D	Water-	Stratum Des Brown occasionally mottled orange brown sligh rootlets. Gravel is subrounded fine to medium o	cription tly gravelly clayey SAND with m	any	Depth mbgl	nickness (r		
Depth (m) 0.00 - 0.10 0.10 - 0.20	Type Result D D	Ctrikes	Brown occasionally mottled orange brown sligh rootlets. Gravel is subrounded fine to medium (tly gravelly clayey SAND with m	any	Depth mbgl	ickn (c	₽ G	7
0.10 - 0.20	D		rootlets. Gravel is subrounded fine to medium	tly gravelly clayey SAND with m f quartz and flint.	any		FSI	Level m OD	propo
			(AGRICULTURALLY DISTURBED TOPSOIL)						X
0.20 - 0.30	D				_		(0.30)		Y
					-		(0.30)		X
			Base of Excavatio	n at 0.30m		0.30		61.70	
					-				
					-				
					-				
					-				
					-				
					1 -				
					-				
					-				
					-				
					_				
					-				
					-				
					-				
					-				
					-				
eneral Remarks: Hand pit to 0.30m	bgl with hand tool	s. 2) 3 samples ta	ken for organic analysis 3) Backfilled with a	isings.	2 -				

Hudre				Project: Begbroke			Trial HDI				
Hydro	СК						age N				
/lethod: Han	d-dug Pit			Date(s): 08/02/2023	Logged By: S Stability: Side		Che				т
Client: Oxford	d Universi	ity Developme	nt	Co-ords: 448062.00, 212949.00	remained ver	s tical	Dim	ens	sions		
Hydrock Proj				Ground Level: 71.00m OD	HARANG HEAMIQ C	ligging	0.15n).15m	· ך	1:1
	amples / Te		Water-		tools				ess		_
Depth (m)	Туре	Results	Strikes	Stratum Desc	cription		-	mbgl	Thickness (m)	Level m OD	1000
0.00 - 0.10	D			Brown occasionally mottled orange brown slight rootlets. Gravel is subrounded fine to medium o	tly gravelly clayey SA f quartz and flint.	ND with many					S
0.10 - 0.20	D			(AGRICULTURALLY DISTURBED TOPSOIL)			-		(0.30)		Ĭ
0.20 - 0.30	D						-		(0.00)		
				Base of Excavation	n at 0.30m		a	.30		70.70	Ø
							-				
							1				
							-				
							-				
							-				
							1 -				
							-				
							-				
							-				
							1				
							-				
]				ł
											ł
											1
							-				
							2 -				ł

	ock						Page N	۰ Io.	1 of	1	
/lethod: Han	d-dug Pit			Date(s): 08/02/2023	Logged By: Stability: Sid		Che				Г
	-	ty Developme	ent	Co-ords: 447987.00, 213158.00	remained ve	es rtical	Dim	ens	ions		cal
lydrock Proj				Ground Level: 70.00m OD	Pheny ghand		0.15n		.15m	ז ך	1:10
	amples / Tes		Water-		tools				ess	<u> </u>	
Depth (m)	Туре	Results	Strikes	Stratum Des	cription		:	Depth mbgl	(m)	Level m OD	page 1
0.00 - 0.10	D			Brown occasionally mottled orange brown sligh rootlets. Gravel is subrounded fine to medium of	ntly gravelly clayey SA	AND with man	у				X
0.10 - 0.20	D			(AGRICULTURALLY DISTURBED TOPSOIL)			-		(0.30)		
0.20 - 0.30	D						-		(0.00)		
				Base of Excavatio	n at 0.30m		a	.30		69.70	
							-				
							-				
							-				
							-				
							-				
							-				
							1-				
							-				
							-				
							-				
							-				
							-				
							-				
							-				
							-				
							2 -				

HDDP346 Page No. 1 61 Wethod: Hand-dug Pit Date(s): 08/02/2023 Sequel 29/15/456 Ellent: Oxford Inversity Development Co-ords: 442233.00, 212892.00 Premained vertical Dimensions: 0.100 Samples / Tests Wethod: Stratum Description Bit and the strateging of the strat	
Lient: Oxford University Development Co-ords: 448233.00, 212892.00 remained vertical Dimensions: 0.15m Aydrock Project No: C-19114-C Ground Level: 68.00m OD Party space of the second o	
Automic Subolic Subolic Stricts Description International Subolic Stricts 0.15m Samples / Tests Water- Strikes Stratum Description Image and the subolic strikes 0.15m 0.00 - 0.10 D Brown clayey SAND with many rootlets. Occasional subrounded fine to medium quatz and finit gravel. (AGRICULTURALLY DISTURBED TOPSOIL) Image and the subolic strikes Image and the subolic strikes 0.15m 0.10 - 0.20 D Brown clayey SAND with many rootlets. Occasional subrounded fine to medium quatz and finit gravel. (AGRICULTURALLY DISTURBED TOPSOIL) Image and the subrounded fine to medium quatz (AGRICULTURALLY DISTURBED TOPSOIL) Image and the subrounded fine to medium quatz and finit gravel. (AGRICULTURALLY DISTURBED TOPSOIL) Image and the subrounded fine to medium quatz (AGRICULTURALLY DISTURBED TOPSOIL) Image and the subrounded fine to medium quatz (AGRICULTURALLY DISTURBED TOPSOIL) Image and the subrounded fine to medium quatz (AGRICULTURALLY DISTURBED TOPSOIL) Image and the subrounded fine to medium quatz (AGRICULTURALLY DISTURBED TOPSOIL) Image and the subrounded fine to medium quatz (AGRICULTURALLY DISTURBED TOPSOIL) Image and the subrounded fine to subrounded fine to medium quatz (AGRICULTURALLY DISTURBED TOPSOIL) Image and the subrounded fine to medium quatz (AGRICULTURALLY DISTURBED TOPSOIL) Image and the subrounded fine to medium quatz (AGRICULTURALLY DISTURBED TOPSOIL) Image and the subrounded fine to medium quatz (AGRICULTURALLY DISTURBED TOPSOIL) Image and the subrounded fine to medium quatz (AGRICULTURALLY DISTURBED TOPSOIL) Image and the subrounded fine to medium quatz (AGRICULTU	
Samples / Tests Water- Strikes Stratum Description End if gave. (AGRICULTURALLY DISTURBED TOPSOIL) (Comparing the strate of the strate	
0.00 - 0.10 D 0.10 - 0.20 D 0.20 - 0.30 D <td< td=""><td>1:1</td></td<>	1:1
0.00 - 0.10 D 0.10 - 0.20 D 0.20 - 0.30 D <td< td=""><td></td></td<>	
and flint gravel. (AGRICULTURALLY DISTURBED TOPSOIL) 0.20 - 0.30 D Base of Excavator at 0.30m - (0.30) - (0.30)	í E
0.20 - 0.30 D	
0.20 - 0.30 D	
Base of Excavation at 0.300 0.30	
Base of Excavation at 0.30m	
Base of Excavation at 0.30m	57.70
2-	
eneral Remarks:	
General Remarks: 1) Hand pit to 0.30m bgl with hand tools. 2) 3 samples taken for organic analysis 3) Backfilled with arisings.	

Pit ersity Developme : C-19114-C / Tests Results	ent Water- Strikes	Date(s): 08/02/2023 Co-ords: 448313.00, 213015.00 Ground Level: 67.00m OD Stratum Desc	Logged By: SM Stability: Sides remained vertical Planughand diggin tools		e No. heck)imen	ed B	y: N ⁻ s: S	T
ersity Developme : C-19114-C / Tests	Water-	Co-ords: 448313.00, 213015.00 Ground Level: 67.00m OD	remained vertical	D)imen	nsion	s: S	
: C-19114-C / Tests	Water-	Ground Level: 67.00m OD	remained vertical	a	.15m			cal
/ Tests				g _{0.}			1 1	
		Stratum Desc						1:10
Results	Strikes	etiatam Beee	ription		£_	Thickness (m)	= 0	, Pu
		Brown clayey SAND with many rootlets. Occasio		lium quartz	Dept mbg	(m)	Level m OD	- Coopd
		and flint gravel. (AGRICULTURALLY DISTURBED TOPSOIL)		iuiii qualiz				
1		()			-			
						(0.30)		
					1			S
					0.30		66.70	Ø
		Base of Excavation a	at 0.30m					
					_			
					-			
					-			
					-			
					-			
					_			
					-			
					-			
					1			
					1			
					-			
					2 -			

ock			Project: Begbroke		Trialp HDP				
					Р	age No	b. 1 of	1	
nd-dug Pit			Date(s): 08/02/2023	Logged By: S					Г
d Universi	ty Developme	ent	Co-ords: 447747.00, 213304.00	remained ver	ə ical	Dime			cal
			Ground Level: 71.00m OD	there binerial d		0.15m	0.15m	_ ر	1:1(
		Motor					SSS		
	Results	Strikes	Stratum Des	cription		Depth	hickne	evel n OD	puepe
D				th many rootlets. Grav	el is subround	ed			<u></u>
D			(AGRICULTURALLY DISTURBED TOPSOIL)			-	(0.20)		
D						-	(0.30)		
			Base of Excavatio	n at 0.30m		0.30	,	70.70	
						-			
						-			
						-			
						-			
						1 -			
						-			
						-			
						-			
						-			
						-			
						-			
						_			
						2 -			
	d Universi ect No: C amples / Ter Type D D	d-dug Pit d University Developme ect No: C-19114-C amples / Tests Type Results D D	ad-dug Pit d University Development ect No: C-19114-C amples / Tests Uater- Strikes D D D D	Ind-dug Pit Date(s): 08/02/2023 d University Development Co-ords: 447747.00, 213304.00 ect No: C-19114-C Ground Level: 71.00m OD amples / Tests Water- Strikes Type Results D Brown slightly gravelly slightly clayey SAND wir fine to medium of quartz flint and limestone. (AGRICULTURALLY DISTURBED TOPSOIL) D Image: Construction of the second se	Ind-dug Pit Date(s): 08/02/2023 Logged By: S Stability: Side Id University Development Co-ords: 447747.00, 213304.00 remained vert ect No: C-19114-C Ground Level: 71.00m OD Internet previous of tools amples / Tests Water- Strikes Stratum Description D Brown slightly gravelly slightly clayey SAND with many rootlets. Grav fine to medium of quartz flint and limestone. (AGRICULTURALLY DISTURBED TOPSOIL)	Ind-dug Pit Date(s): 08/02/2023 Logged By: SM Stability: Sides d University Development Co-ords: 447747.00, 213304.00 remained vertical ect No: C-19114-C Ground Level: 71.00m OD Planugheand digging tools amples / Tests Water- Strikes Stratum Description Type Results Brown slightly gravelly slightly clayey SAND with many rootlets. Gravel is subround fine to medium of quartz flint and limestone. (AGRICULTURALLY DISTURBED TOPSOIL)	Image: Normalized state Page Normalized state Indedug Pit Date(s): 08/02/2023 orgged By: SM state Check Id University Development Co-ords: 447747.00, 213304.00 remained vertical Dime ect No: C-19114-C Ground Level: 71.00m OD Itability: Sides 0.15m amples / Tests Water-Strikes Stratum Description 0.15m Type Results Water-Strikes Stratum Description 0.15m D Brown slightly gravelly slightly clayey SAND with many rootlets. Gravel is subrounded fine to medium of quartz finit and limestone. (AGRICULTURALLY DISTURBED TOPSOIL) 0.38 D Base of Excention at 0.30m 0.38	Ack Page No. 1 of dd-dug Pit Date(s): 08/02/2023 Logged By: SM Checked B d University Development Co-ords: 447747.00, 213304.00 Ptentighexid digging 0.16m ect No: C-19114-C Ground Level: 71.00m OD Ptentighexid digging 0.16m amples / Tests Water- Strikes Stratum Description § mon slightly gravelly slightly clayey SAND with many rootets. Gravel is subrounded fine to medium of quart: fint and limestone. (AGRICULTURALLY DISTURBED TOPSOIL) 0.30 0.30	ad-dug Pit Date(s): 08/02/2023 orgged By: SM Stability: Sides Checked By: N' Stability: Sides d University Development Co-ords: 447747.00, 213304.00 remained vertical biols Dimensions: S ect No: C-19114-C Ground Level: 71.00m OD Diols 0.16m 0.16m amples / Tests Water- Strikes Stratum Description group

				Data(a): 08/02/2022			age No.			
Nethod: Ha				Date(s): 08/02/2023	Logged By: SM Stability: Sides	/	Check Dimer		-	T cale
		ty Developm	ent	Co-ords: 447835.00, 213272.00	remained verti			0.15m		1:10
lydrock Pro				Ground Level: 72.00m OD	tools	333	0.15m	ß		
Depth (m)	Samples / Tes _{Type}	StS Results	Water- Strikes	Stratum Des	cription		pth bal	Thickness (m)	Level m OD	Leaend
0.00 - 0.10	D	Results		Brown slightly gravelly slightly clayey SAND wit	h many rootlets. Grave	l is subrounde	ed d	<u></u> ΕΕ	з с	-
0.10 - 0.20	D			fine to medium of quartz and flint. (AGRICULTURALLY DISTURBED TOPSOIL)			-	(0.30)		
0.20 - 0.30	D						-			
				Base of Excavation	n at 0.30m		0.30		71.70	
							-			
							-			
							-			
							1 -			
							-			
							-			
							-			
General Remar) Hand pit to 0		n hand tools. 2) 3	samples ta	ken for organic analysis 3) Backfilled with a	isings.		2 -			

ock			Project: Begbroke		Trialp HDP				
					Р	age No	o. 1 of	1	
nd-dug Pit			Date(s): 08/02/2023	Logged By: SI	M	Chec	ked B	y: N	Г
d Universi	ty Developme	ent	Co-ords: 447693.00, 213442.00	remained verti	ical	Dime			cal
ect No: C	-19114-C		Ground Level: 73.00m OD	gging	0.15m	0.1511		1:10	
amples / Te	sts	Water-	Obstan Day			less			
Туре	Results	Strikes				Depth	Thick (m)	Level m OD	puepe
D			fine to medium of guartz and flint.	th many rootlets. Grave	el is subround	ed			S
D			(AGRICULTURALLY DISTURBED TOPSOIL)			-	(0.30)		
D						-			
			Base of Excavatio	n at 0.30m		0.30	,	72.70	
						-			
						-			
						-			
						_			
						_			
						-			
						1 -			
						-			
						-			
						-			
	d Universi ect No: C amples / Te Type D D	nd-dug Pit d University Developme ect No: C-19114-C camples / Tests Type Results D D	nd-dug Pit d University Development ect No: C-19114-C samples / Tests Water- Strikes D D D D	Ind-dug Pit Date(s): 08/02/2023 d University Development Co-ords: 447693.00, 213442.00 ect No: C-19114-C Ground Level: 73.00m OD iamples / Tests Water- Strikes Type Results D Brown slightly gravelly slightly clayey SAND wi fine to medium of quartz and flint. (AGRICULTURALLY DISTURBED TOPSOIL) D Image: Control of the second sec	Ind-dug Pit Date(s): 08/02/2023 Logged By: SI Stability: Sides d University Development Co-ords: 447693.00, 213442.00 remained verti ect No: C-19114-C Ground Level: 73.00m OD Plantghand di tools amples / Tests Water- Strikes Stratum Description D Brown slightly gravelly slightly clayey SAND with many rootlets. Grave fine to medium of quartz and flint. (AGRICULTURALLY DISTURBED TOPSOIL)	Image: model of the system Image: text of tex of text of text of tex of text of text of text of tex of t	Ind-dug Pit Date(s): 08/02/2023 orgged By: SM Stability: Sides Check d University Development Co-ords: 447693.00, 213442.00 remained vertical Dime ect No: C-19114-C Ground Level: 73.00m OD PtBH19H84Hd digging tools 0.15m iamples / Tests Water- Strikes Stratum Description 0.15m D Brown slightly gravelly slightly clayey SAND with many rootlets. Gravel is subrounded fine to medium of quartz and fint. (AGRICULTURALLY DISTURBED TOPSOIL)	Ind-dug Pit Date(s): 08/02/2023 Longed By: SM Checked B Id University Development Co-ords: 447693.00, 213442.00 remained vertical Dimension ect No: C-19114-C Ground Level: 73.00m OD Presults digging 0.15m 0.15m iamples / Tests Water-Strikes Stratum Description Image Row Strikes Image	nd-dug Pit Date(s): 08/02/2023 orgged By: SM Checked By: N' d University Development Co-ords: 447693.00, 213442.00 remained vertical Dimensions: S ect No: C-19114-C Ground Level: 73.00m OD Ibake of Executed to any to

بير المريد ا				Project: Begbroke			rialpit 1P2			
Hydro	JCK						e No.		1	
Method: Hai	nd-dug Pit			Date(s): 14/09/2022	Logged By: N	· · · · · · · · · · · · · · · · · · ·	Check			V
Client: Oxfor	d Univers	ity Developme	nt	Co-ords: 447245.43, 213380.63	Stability: Stab	le [Dimen		s: S	cal
Hydrock Pro	ject No: C	-19114-C		Ground Level: 68.11m OD	Plant: Hand T	ools).30m	0.30m	1 ך	1:1
	Samples / Te		Water-	Charlense Data				ness		
Depth (m)	Туре	Results	Strikes	Stratum Des			Depth mbgl	Thickness (m)	Level m OD	0000
0.10	ES			Soft brown sandy CLAY with rare subangular to quartz gravel. (AGRICULTURALLY DISTURBED TOPSOIL)	subrounded, fine to o	oarse flint and	-	(0.30)		
0.40	ES			Firm orange sandy CLAY with rare subangular t (RIVER TERRACE DEPOSITS)	to subrounded, fine to	coarse flint grave	0.30 I. - -		67.81	
							-	(0.70)	67.11	
				Base of Excavation	a t 1.00m		-			
General Remar 1) Excavation c	ks: ompleted at	1.00m bgl. 2) No g	groundwate	r encountered. 3) Backfilled with arisings.			2 -			

			Project: Begbroke			ialpi IP2			
ck								1	
d-dug Pit			Date(s): 14/09/2022	Logged By: NT					V
Universit	y Developme	nt	Co-ords: 447310.49, 213379.39	Stability: Stable	, C	imer		s: S	cal
ect No: C-	19114-C		Ground Level: 67.70m OD	Plant: Hand Too	ols 0	.30m	0.30m] '	1:1
mples / Tes	ts	Water-	Stratum Des	scription		£	kness	= 0	-
Туре	Results	Strikes			unded, fine to	Dept	(m)	Leve m Ol	
ES			Coarse of flint. (AGRICULTURALLY DISTURBED TOPSOIL)			-	(0.25)		
ES			Firm orange brown sandy CLAY with rare suba gravel. (RIVER TERRACE DEPOSITS)	ngular to subrounded, fir	ne to coarse flint	0.25		67.45	
						-	(0.75)		
			Base of Excavatio	n at 1.00m		-		66.70	
						-			
						-			
						-			
	d-dug Pit Universit cct No: C- mples / Tes Type ES	d-dug Pit University Developmen ect No: C-19114-C mples / Tests Type Results ES	d-dug Pit University Development act No: C-19114-C mples / Tests Type Results Water- Strikes ES	I-dug Pit Date(s): 14/09/2022 University Development Co-ords: 447310.49, 213379.39 ct No: C-19114-C Ground Level: 67.70m OD mples / Tests Water- Type Results Vater- Strikes Dark brown sandy slightly gravelly CLAY. Grav coarse of lint. (AGRICULTURALLY DISTURBED TOPSOIL) ES ES ES	d-dug Pit Date(s): 14/09/2022 Logged By: NT University Development Co-ords: 447310.49, 213379.39 Stability: Stable oct No: C-19114-C Ground Level: 67.70m OD Plant: Hand Too mples / Tests Water- Strikes Stratum Description ES Bark brown sandy slightly gravelly CLAY. Gravel is subangular to subro coarse of flint. (AGRICULTURALLY DISTURBED TOPSOIL) Firm orange brown sandy CLAY with rare subangular to subrounded, fir gravel. (RIVER TERRACE DEPOSITS)	d-dug Pit Date(s): 14/09/2022 Logged By: NT C University Development Co-ords: 447310.49, 213379.39 Stability: Stable C ext No: C-19114-C Ground Level: 67.70m OD Plant: Hand Tools o mples / Tests Water- Strikes Stratum Description o mples / Tests Water- Strikes Stratum Description o ES Dark brown sandy slightly gravelly CLAY. Gravel is subangular to subrounded, fine to coarse of fint. (AGRICULTURALLY DISTURBED TOPSOIL) Firm orange brown sandy CLAY with rare subangular to subrounded, fine to coarse flint. (RIVER TERRACE DEPOSITS) ES Image brown sandy CLAY with rare subangular to subrounded, fine to coarse flint. (RIVER TERRACE DEPOSITS)	d-dug Pit Date(s): 14/09/2022 Logged By: NT Check University Development Co-ords: 447310.49, 213379.39 Stability: Stable Dimer ict No: C-19114-C Ground Level: 67.70m OD Plant: Hand Tools 0.30m	i-dug Pit Date(s): 14/09/2022 Logged By: NT Checked B University Development Co-ords: 447310.49, 213379.39 Stability: Stable Dimension ict No: C-19114-C Ground Level: 67.70m OD Plant: Hand Tools	eloug Pit Date(s): 14/09/2022 Logged By: NT Checked By: CT University Development Co-ords: 447310.49, 213379.39 Stability: Stable Dimensions: S ctt No: C-19114-C Ground Level: 67.70m OD Plant: Hand Tools 0.30m 0.30m mples / Tests Water- Strikes Stratum Description g average results g

			Project: Begbroke				t No		
Hydroc	k ¯					P2			
					Page				
Method: Hand-d	-		Date(s): 14/09/2022	Logged By: N			ed By		
Client: Oxford Ur			Co-ords: 447257.22, 213337.26	Stability: Stat		_	0.30m		
Hydrock Project		C	Ground Level: 68.18m OD	Plant: Hand T	ools 0.	30m	s I		1:1
	les / Tests _{Гуре Resu}	Water Strikes		escription		apth	Thickness (m)	Level m OD	
Deptil (iii)	Type Rest		Soft dark brown sandy CLAY with rare suban	gular to subrounded, fir	e to coarse of flint	ΔĒ	1 2 1	3 2	X
0.10	ES		and quartz gravel. (AGRICULTURALLY DISTURBED TOPSOIL))		-	(0.20)		
0.40	ES		Firm orange brown slightly sandy CLAY with r flint gravel. (RIVER TERRACE DEPOSITS)	rare subangular to angu	lar fine to medium	0.20		67.98	
						-	(0.80)	-	
						-		-	
			Base of Excaval	tion at 1.00m		1		67.18	<u>i</u>
						-			
						1			
						-			
						1			
						-			
						-			
1						2 -			

Hydro	ock ⁻	-					HP2			
Vethod: Ha				Date(s): 14/09/2022	Logged By: N		ge No. Check			/
	-		ont				Dimen		-	
		ty Developm		Co-ords: 447308.02, 213315.45	Stability: Stab		_	0.30m		1:1
Hydrock Pro				Ground Level: 67.84m OD	Plant: Hand T	UOIS	0.30m	ş		
Depth (m)	Samples / Tes _{Type}	Results	Water- Strikes	Stratum Des	scription		epth bgl	Thickness (m)	Level m OD	00000
Dopin (m)	1390	results		Light brown slightly sandy slightly gravelly CLA	Y. Gravel is subangula	ar to subrounded		1 1 1 1	3 2	<u> </u>
0.10	ES			fine to coarse of flint. (AGRICULTURALLY DISTURBED TOPSOIL)			-	(0.25)		
0.30	ES			Orange brown slightly clayey sandy subrounde GRAVEL. (RIVER TERRACE DEPOSITS)	ed to rounded, fine to c	oarse of flint	0.25		67.59	<u>^</u> +, +, +
							-	(0.30)	- - -	
				Base of Excavatio	on at 0.55m		0.55		67.29	~ • •
							_			
							-			
							1 -			
							_			
							-			
							-			
							-			
							_			
							-			
							-			
							2 -			
General Remar 1) Excavation c	ks: ompleted at ().55m bgl. 2) No	o groundwate	er encountered. 3) Backfilled with arisings.						

ock			Project: Begbroke		ł	HP2	05		
JCK					Pag	ge No.	1 of	1	
nd-dug Pit			Date(s): 14/09/2022	Logged By: NT	(Check	ed B	y: C'	V
d Universi	ty Developme	nt	Co-ords: 447346.55, 213283.40	Stability: Stable	•	Dimen		s: S	ca
ect No: C·	-19114-C		Ground Level: 67.78m OD	Plant: Hand To	ols	0.30m	0.3011] '	1:1
amples / Tes	sts	Water-	Stratum Dec	cription	I	E	iness		-
Туре	Results	Strikes			unded fine to	Dept mbgl	(m)	Leve m Oľ	
ES			Coarse of flint. (AGRICULTURALLY DISTURBED TOPSOIL)	ravei is subangular fo r	oundea, fine to	-	(0.30)		
FS			Firm orange slightly sandy CLAY. Gravel is sub flint. (RIVER TERRACE DEPOSITS)	rounded to rounded, fine	e to coarse of	0.30		67.48	
Eð						-	(0.70)		
								00.70	
			Base of Excavation	n at 1.00m		-			
						-			
						-			
						2 -			
	nd-dug Pit d Universi ect No: C- amples / Tee Type	nd-dug Pit d University Developme ect No: C-19114-C amples / Tests Type Results ES	ect No: C-19114-C amples / Tests Water- Type Results Strikes	ad-dug Pit Date(s): 14/09/2022 d University Development Co-ords: 447346.55, 213283.40 ect No: C-19114-C Ground Level: 67.78m OD amples / Tests Water- Strikes Type Results Soft light brown sandy slightly gravelly CLAY. Groares of flint. (AGRICULTURALLY DISTURBED TOPSOIL) ES Firm orange slightly sandy CLAY. Gravel is sub flint. (RIVER TERRACE DEPOSITS)	Ind-dug Pit Date(s): 14/09/2022 Logged By: NT Ind-dug Pit Co-ords: 447346.55, 213283.40 Stability: Stable Ind-dug Pit Co-ords: 447346.55, 213283.40 Stability: Stable Ind-dug Pit Ground Level: 67.78m OD Plant: Hand Too Imples / Tests Water-Strikes Stratum Description Type Results Soft light brown sandy slightly gravelly CLAY. Gravel is subangular rom coarse of flint. (AGRICULTURALLY DISTURBED TOPSOIL) ES Firm orange slightly sandy CLAY. Gravel is subrounded to rounded, fine flint. (RIVER TERRACE DEPOSITS)	Ind-dug Pit Date(s): 14/09/2022 Logged By: NT Id University Development Co-ords: 447346.55, 213283.40 Stability: Stable ect No: C-19114-C Ground Level: 67.78m OD Plant: Hand Tools amples / Tests Water-Strikes Stratum Description Type Results Vater-Strikes Stratum Description ES Firm orange slightly sandy CLAY. Gravel is subangular ro rounded, fine to coarse of fint. (AGRICULTURALLY DISTURBED TOPSOIL) FS Firm orange slightly sandy CLAY. Gravel is subrounded to rounded, fine to coarse of fint. (RIVER TERRACE DEPOSITS)	ad-dug Pit Date(s): 14/09/2022 Logged By: NT Check d University Development Co-ords: 447346.55, 213283.40 Stability: Stable Dimen ect No: C-19114-C Ground Level: 67.78m OD Plant: Hand Tools 0.30m amples / Tests Water- Strikles Stratum Description Image: Stratum D	ad-dug Pit Date(s): 14/09/2022 Logged By: NT Checked B d University Development Co-ords: 447346.55, 213283.40 Stability: Stable Dimension: ect No: C-19114-C Ground Level: 67.78m OD Plant: Hand Tools 0.30m amples / Tests Water- Strikes Stratum Description	ad-dug Pit Date(s): 14/09/2022 Logged By: NT Checked By: CT d University Development Co-ords: 447346.55, 213283.40 Stability: Stable Dimensions: S ect No: C-19114-C Ground Level: 67.78m OD Plant: Hand Tools 0.30m 0.30m amples / Tests Water- Strikes Stratum Description g g g g g g g g g g g g g g g g g g g g g g g g g ES Soft light brown sandy slightly gravelly CLAY. Gravel is subangular ro rounded, fine to coarse of flint. (AGRICULTURALLY DISTURBED TOPSOIL) Image: Soft light proving sandy CLAY. Gravel is subrounded to rounded, fine to coarse of flint. (RIVER TERRACE DEPOSITS) 0.30 0.30 0.30 ES Image: Soft light termination of flint. Image: Soft light termination of flint. Image: Soft light termination of flint. 0.30 0.30 ES Image: Soft light termination of flint. Image: Soft

				Project: Begbroke			Trialpi HP2			
Hydro	DCK						age No.		1	
Method: Han	d-dug Pit			Date(s): 14/09/2022	Logged By:		Check			/
Client: Oxford	University	Developmer	nt	Co-ords: 447323.43, 213245.43	Stability: Sta	ble	Dimer		s: So	ca
Hydrock Proj	ect No: C-19)114-C		Ground Level: 68.15m OD	Plant: Hand	Tools	0.30m	0.30m] 1	:1
S	amples / Tests		Water-	Stratum De	escription			Thickness (m)		
Depth (m)	Туре	Results	Strikes	Soft light brown sandy gravelly CLAY. Gravel		unded fine to	Dept	μ Ξ Ξ Ξ	Level m OD	
0.10	ES			(AGRICULTURALLY DISTURBED TOPSOIL)		Junded, inte to	-	(0.25)		Ĭ
0.40	ES			Firm orange slightly sandy gravelly CLAY. Gra coarse of flint. (RIVER TERRACE DEPOSITS)	avel is subrounded to	subangular, fine t	0.25 0 -		67.90	
							-	(0.55)		
				Base of Excavat	ion at 0.80m		0.80		67.35 <u>.</u>	
							1 -			
							-			
							-			
							-			
							-			
							2 -			

		5		Project: Begbroke			Trialpit			
Hydro	ck ^{••}	•					HP2	07		
i iyaro						Pa	ige No.	1 of	1	
Method: Hand	-dug Pit			Date(s): 25/08/2022	Logged By: N	Г	Check		-	
Client: Oxford	Universit	y Developmei	nt	Co-ords: 448351.81, 213568.22	Stability: Stabl	е	Dimen	sion: 0.30m	s: So	ca
Hydrock Projec	ct No: C-	19114-C		Ground Level: 66.48m OD	Plant: Hand To	ols	0.30m		_ 1	1:1
Sar	mples / Tes	ts	Water-	Stratum Descri	ption		£_	Thickness (m)	- 0	
Depth (m)	Туре	Results	Strikes	Yellow slightly sandy subangular to angular fine to			Dept	(m)	Level m OD	
0.70	ES			(MADE GROUND) Orange brown slightly gravelly SAND. Gravel is so coarse of flint and limestone. (RIVER TERRACE DEPOSITS) Base of Excavation at		gular fine to		(0.60)	65.88	

				Project: Begbroke			Trialpit			
Hydro	ock	-					HP2			
/lethod: Han				Date(s): 25/08/2022	_ogged By: N⊺		ge No. Check			
		ty Developme	nt		Stability: Stabl		Dimen			
lydrock Proj					Plant: Hand To		0.30m	0.30m		1:1
	amples / Tes		Water-			013		SSS		
Depth (m)	Туре	Results	Strikes	Stratum Descrip	otion		Depth mbgl	Thickness (m)	Level m OD	
				CONCRETE. (MADE GROUND) Red brown gravelly slightly clayey SAND. Gravel is coarse of flint and limestone. (MADE GROUND)	s angular to subrour	nded, fine to	0.15	(0.15)	66.31	
0.30	ES						-	(0.40)		
0.70	ES			Black clayey fine to coarse subangular to angular I Odour. (MADE GROUND)	imestone GRAVEL.	Slight PAH	0.55		65.91	
							- - 1 -	(0.55)		
				Firm greenish grey mottled orange CLAY. (KELLAWAYS CLAY MEMBER)			1.10		65.36	##
				Base of Excavation at 1	. <u></u>		1.20	(0.10)	65.26	-
							-			

				Project: Begbroke			ialpit IP2			
Hydro	OCK						e No.		1	
Method: Ha	nd-dug Pit			Date(s): 25/08/2022	Logged By: N		heck			v
	-	ty Developme	nt	Co-ords: 448342.21, 213531.91	Stability: Stab)imen	sion		
Hydrock Pro	ject No: C	-19114-C		Ground Level: 66.76m OD	Plant: Hand T	ools	.30m	0.30m	י ר	1:1
	Samples / Te		Water-	Stratum Da				ness		
Depth (m)	Туре	Results	Strikes	Stratum De	scription		Depth mbgl	Thickness (m)	Level m OD	
				CONCRETE. (MADE GROUND)				(0.10)		*
0.30	ES			Orange brown slightly gravelly SAND. Gravel i coarse of flint and limestone. (RIVER TERRACE DEPOSITS)		igular fine to	0.10 - - - - - - - - - - - - - -	(0.80)	66.66	
General Remar I) Excavation c	/ ks: completed at (ເ	groundwate	er encountered. 3) Backfilled with arisings.			2 -	1		

ug Pit iversity Developme No: C-19114-C es / Tests	nt	Co-ords: 448376.79, 213562.77 Sta		HP2 age No Check Dimer	1 of ed B	y: C'	
iversity Developme No: C-19114-C	nt	Co-ords: 448376.79, 213562.77 Sta	ged By: NT	Check	ed B	y: C'	
No: C-19114-C	nt		bility: Stable	Dimer	sion	S	
							Sca
		Ground Level: 66.34m OD Plan	nt: Hand Tools	0.30m	0.30m	י ר	1:1
	Water-				less	-1	
ype Results	Strikes	Stratum Description		Depth	Thickness (m)	Level m OD	-
ES		Light grey gravelly SAND. Gravel is sub angular to sub and rare brick, concrete, limestone and clinker. (MADE GROUND)	o rounded fine to coarse of flin	- -			
				-	(0.65)		
		Orange brown gravelly slightly clayey SAND. Gravel is coarse of limestone and flint. (RIVER TERRACE DEPOSITS)	s subangular to angular fine to	0.65		65.69	
ES				-	(0.25)		
		Base of Excavation at 0.90m	n	1-			
				-			
				-			
				-			
				2 -			
			Orange brown gravelly slightly clayey SAND. Gravel is coarse of limestone and flint. (RIVER TERRACE DEPOSITS)	Orange brown gravelly slightly clayey SAND. Gravel is subangular to angular fine to coarse of limestone and flint. (RIVER TERRACE DEPOSITS)	ES	IS	IS International and finite (RIVER TERRACE DEPOSITS) Been of Excernation of 0.000 f f f f f f f f f f f f

		<u>, I</u>				Pro	ject	: В	egbroke		oreho RO			
Hyd	lro	CK									ge No			
Method:	Rotar	v Core	d			Date	(s) [.] 0	7/02	/2023 - 09/02/2023 Logged By: JM		-		arshall	Drillin
		-	sity Developme	ent			()		28.05, 213351.63 Checked By: CV		-lush			
			C-19114-C						61.81m OD		Scal			
ample/Core	,		es / Tests	М	echa	inical L		<u> </u>			ess			4 5
un (m)	Depth (m)	Туре	Results	TCR	SCR	RQD	Min If: Mear Max	Water- Strikes	Stratum Description	Depth	Thickness (m)	Level m OD	Legend	Instrum- entation
	0.10 0.30 -	ES B							Soft dark brown slightly gravelly slightly sandy CLAY with occassional rootlets. Gravel is sub-angular fine of quartz	0.30	(0.30)	61.51		
	0.30 - 0.70	Б							and flint. (AGRICULTURALLY DISTURBED TOPSOIL) Very soft orangish brown slightly gravelly sandy CLAY with	A				
	0.70 - 1.20	В							occasional rootlets and a slight organic odour. Gravel is sub-angular to sub-rounded fine to coarse of medium	-	(0.70)			
	1.00 - 1.50	U							grained orangish brown sandstone. (ALLUVIUM)	1 1.00		60.81	××	×
									Below 0.70m: Becoming orangish brown mottled light grey.]			×××	×
1.50 - 2.50 98% rec									Orangish brown slightly gravelly very silty medium grained SAND. Gravel is sub-angular to sub-rounded fine to coarse of tabular light grey medium grained shelly limestone,		(1.00)		××× ×××	×
									rounded dark orangish brown iron rich medium grained sandstone, flint and quartzite.	2 2.00		59.81	× × × ×	×
									(RIVER TERRACE DEPOSITS) Orangish brown sandy slightly clayey GRAVEL. Gravel is		(0.50)			
2.50 - 3.50 70% rec	2.50	SPT	N=22 (3,5,5,5,6,6)						sub-angular to sub-rounded fine to coarse of tabular light grey medium grained shelly limestone, rounded dark orangish brown iron rich medium grained sandstone, flint	2.50		59.31		
0 /0 TEC	2.50	D	(0,0,0,0,0,0)						and quartzite. (RIVER TERRACE DEPOSITS)	2.90	(0.40)	58.91		
									Medium dense orangish brown GRAVEL. Gravel is sub- angular to sub-rounded coarse of tabular light grey mediur	3- 1				
	3.50	SPT	N=4						grained oolitic shelly limestone, flint and quartzite. ((RIVER TERRACE DEPOSITS)		(1.10)		•	
	3.50	D	(3,2,1,3,0,0)						Orangish brown sandy slightly clayey GRAVEL. Gravel is sub-angular to sub-rounded fine to coarse of tabular light grey medium grained shelly limestone, rounded dark	-				
	4.00 -	U							orangish brown iron rich medium grained sandstone, flint and quartzite.	4 4.00		57.81		-
	4.50								\(RIVER TERRACE DEPOSITS) Stiff thickly laminated grey silty micaceous CLAY with				×	
.50 - 5.00 00% rec									frequent bivalve fragments. Bedding fissures are extremely closely spaced horizontal.	' - -	(1.00)		× ×	
.50 - 6.00									(KELLAWAYS CLAY MEMBER)	-		50.04	<u>×_×</u>	
	5.00	SPT	50/10mm (7,18,50)				35 100		Very strong thinly to thickly bedded grey crystalline coarse grained LIMESTONE with frequent spheroidal weathering,	5 5.00		56.81		
	5.00	D		100	87	72	400		fine to coarse gravel sized bivalve fossils and occasional veins/inclusions of calcareous clay and veins of white	-				
									calcite. Beds are dark grey sandy and calcareous of thickly laminated clay and very thinly bedded mudstone. Fracture					
6.00 - 7.50									are horizontal to sub-horizontal medium to very closely spaced, rough, stepped and undulating, moderately wide to wide with clay infill. Sub-vertical fracture 80 degrees from	Ъ				
									5.86m to 6.00m, stepped, clean. (CORNBRASH LIMESTONE FORMATION)	-	(2.60)			
									``````````````````````````````````````	-				
				100	93	93				-				
										7 -				
.50 - 9.00										7.60		54.21		
								1	From 7.52 to 7.56m: Dark grey band of calcareous mudstone with frequent bivalve fossils. Very stiff thinly laminated with white silt greenish grey silty	1.00		J4.21	×	
	8.00	D							CLAY. Bedding fissures are extremely closely spaced horizontal.	8 - - 8.15	(0.55)	53.66	×	
				77	77	37	40 75		(FOREST MARBLE FORMATION) Extremely weak thinly laminated greenish grey silty	4				
							260		partially weathered MUDSTONE. Laminae are thinly laminated extremely closely spaced of undulating white eithtrane thickly begin tending medium and a of	-				
9.00 -	9.00	SPT	50/15mm						siltstone, thickly laminated medium spaced bands of undulating grey fine grained sandstone and thinly bedded grey oolitic shelly limestone.	-				
0.50 0.50	3.00	011	(25,50)		_				(FOREST MARBLE FORMATION)		(2.02)			
				77	70	57				-				
									Continued on Next Sneet	0 -				
			ss and Observ						Chiselling General Remarks: 1) Inspection pit hand dug to 1.2 ampled to 5,00m, then rates to 2					
Rig Date		Depth (n	e Casing Casing n) Depth (m) Diam.(mm) I 2.50	Water Depth (m) 1.20	Flus Type Wate	e (o	eturns colour) angish	Fro (m	(m) (HH:MM) Gas and groundwater monitorin	g well	install	ed to	7.60m	bgl,
chio 300		3.50	2.00	1.20	vvate		prown		with response zone between 5.5 dipped borehole at 7.60m after i			um bę	gi. 4) H	ydrod
													ice with BS	

			, I					Pro	ject	: B	egbroke				oreho RO			
Hy	/ <b>d</b>	ro	ck												ge No			
Meth	od. E	Rotary	/ Core	d				Date	(s)· ()	7/02	2/2023 - 09/02/2023	Logged By: J			-		arshall	Drillinc
				sity Dev	elonme				. ,		28.05, 213351.63	Checked By:		-	-lush			
				C-19114		5111					61.81m OD	Checked by.	00		Scal			
inyun		TUJEC		es / Tests		м		nical Lo			01.0111 00					<del>.</del>		
Sample/Co Run (m)		Depth (m)	Туре	Res		TCR	SCR	RQD	Min If: Mean	Water- Strikes	Stratun	n Description		Depth	Thickness (m)	Level m OD	Legend	Instrum- entation
		()							40		Extremely weak thinly lami partially weathered MUDS			10.17		51.64	-	
10.50 - 12.00									50 140 130	_	aminated extremely closel siltstone, thickly laminated undulating grey fine graine grey oolitic shelly limeston (FOREST MARBLE FORM From 10.00m to 10.1 micritic, oolitic and shell	y spaced of undulatii medium spaced ban d sandstone and thir e. IATION) 7m: Band of strong gr y limestone with occa	ng white ds of ly bedded ey ₁₁ . sional	-	(1.58)			- - - -
10.00		1.90	D			100	98	69	150 200	_	shell fragments and pos Strong thickly laminated da grained LIMESTONE. Lam undulating (ripple marks) o (FOREST MARBLE FORM Very stiff thickly laminated laminations of white and da	ark grey crystalline co inations are light gre f firm clay. IATION) greenish grey SILT w	arse enish grey ith thin	11.75		50.06		
12.00 - 13.50						91	59	56	130 500	_	sandstone. Sandstone lam Bedding fissures are extrem (FOREST MARBLE FORM Very strong medium bedde LIMESTONE with frequent	inae are very closely mely closely spaced IATION) ed grey muddy, ooida bivalve fossils. Beds	spaced. norizontal.	12.50	(0.75)	49.31		
13.50 - 15.00									1500		dark grey medium spaced frequent shell fragments an fossils. (FOREST MARBLE FORM From 12.50m to 12.7 clay into limestone. From 13.00m to 13.3 limestone with possible	nd possible fish scale IATION) 0m: Flame/load struct 0m: Band of dark grey	s and teeth _{3 -} ure from ^y sandy	-				
						100	100	100			scales and teeth fossils.		14 -		(4.50)			
15.00 - 16.50						100	100	90	-		From 15.00m to 16.2 cross-bedded with light with frequent shell fossi.	grey muddy ooidal lin						
16.50 - 18.00									-		At 16.50m: Void infille crystals (40mm wide, 40 Very strong grey muddy LI	0mm thick and 20mm	deep).	17.00	1	44.81		-
						100	98	95			coarse gravel sized bivalve grey striated inclusions (po occasional veins of white o (FOREST MARBLE FORM	e (oyster) fossils, freq ssible plant fossils) a alcite. IATION)	uent dark nd		(1.00)			-
18.00 - 19.00						100	90	90	70 400 1030	-	From 17.90m to 17.9 grey clay with abundant shell fragments. Strong very thinly bedded I with rare dark green stainin chlorite or glauconite). Bec light greyish green ripple m limestone lenses in-betwee	bivalve (oyster) shell ight grey muddy LIM ng and inclusions (po is are very closely sp narked undulating silt	s and ESTONE ssible aced of	18.00	(0.80)	43.81		-
19.00 - 20.00						100	100	100			(WHITE LIMESTONE FOR From 18.60m to 19.2 Frequent medium grave Strong light grey muddy LI medium to coarse gravel s fossils and occasional vein (WHITE LIMESTONE FOR From 19.50m to 19.5	MATION) 6m: From 18.60m to 1 1 sized gastropod foss MESTONE with frequ ized bivalve and gast s and vugs of white of MATION)	sils. Ient ropod calcite.	-	(1.20)			
										-	Continue	ed on Next Sheet	20 -	20.00		41.81		
Rig	Date	F	Borehol	ss and ( e Casing n) Depth (m)	Casing	Water	Flush Type		eturns olour)	Fro (m	To         Duration         Sam           (m)         (m)         (HH:MM)         Gas	eral Remarks: ispection pit hand pled to 5.00m, the and groundwater response zone be ed borehole at 7.6	n rotary cor monitoring v tween 5.50	ed fr well m ar	rom 5. install nd 7.6	00m t ed to	o 20.00 7.60m	0m. 3) bgl,
HoleBASE	E SI - Hydi	ock Comb	ined Drilling	Template v3									Lor	gged in	general	accordan	ce with BS	5930:201

Method: Rotary Cored       Date(s): 07/02/2023 - 09/02/2023       Logged By: JM       Drilled By: Marshall Drill         Client: Oxford University Development       Co-ords: 448428.05, 213351.63       Checked By: CV       Flush: Water         Hydrock Project No: C-19114-C       Ground Level: 61.81m OD       Scale: 1:50	Hydrock	Project: Begbroke	I	RC	nole I 930	1	
Client: Oxford University Development         Co-ords: 448428.05, 213351.83         Checked By: CV         Flush: Water           Window Project No: C-19114-C         Ground Level: 61.81m OD         Scale: 1:50         Scale: 1:50           Window Project No: C-19114-C         Statum Devel: 61.81m OD         Scale: 1:50         Scale: 1:50           Window Project No: C-19114-C         Statum Devel: 61.81m OD         Scale: 1:50         Scale: 1:50           Window Project No: C-19114-C         Scale: 1:50         Scale: 1:50         Scale: 1:50           Biorg lati optimum Status         Scale: 1:50         Scale: 1:50         Scale: 1:50           Biorg lati optimum Status         Scale: 1:50         Scale: 1:50         Scale: 1:50           Biorg lati optimum Status         Scale: 1:50         Scale: 1:50         Scale: 1:50           Biorg lati optimum Status         Scale: 1:50         Scale: 1:50         Scale: 1:50           Scale: 1:50         Scale: 1:50         Scale: 1:50         Scale: 1:50         Scale: 1:50           Scale: 1:50         Sc							
Project No: C.19114-C         Stratum Do: cription         Stratum Do: cription         Stratum Do: cription           Service         Image: Colspan="2">Topic in evoide         Topic in evoide         Stratum Do: cription         Stratum Do: cription         Stratum Do: cription           Image: Colspan="2">Image: Colspan="2">Stratum Do: cription         Stratum Do: cription         Stratum Do: cription           Image: Colspan="2">Image: Colspan="2">Stratum Do: cription         Stratum Do: cription           Image: Colspan="2">Colspan="2"         Stratum Do: cription         Stratum Do: cription           Image: Colspan="2">Image: Colspan="2"         Stratum Do: cription           Image: Colspan="2">Colspan="2"         Stratum Do: cription           Image: Colspan="2">Stratum Do: cription         Stratum Do: cription           Image: Colspan="2">Colspan="2"         Stratum Do: cription           Image: Colspan="2">Colspan="2"         Stratum Do: cription         Stratum Do: cription           Image: Colspan="2">Colspan="2"         Stratum Do: cription         Stratum Do: cription           Image: Colspan="2">Colspan="2"         Stratum Do: cription         Stratum Do: cription         Stratum Do: cription							Drilling
Samples / Tools         Mochanical Log         Stratum Description         <	• •	· · ·					
Image: State in the second of the second	Hydrock Project No: C-19114-C	Ground Level: 61.81m OD				:50	
Image: State in the second of the second	sample/Core	nical Log	£ -	kness	- Q	pue	kfill
Rig     Date     Time     Borehole Depth (m) Depth (m)     Casing Diam.(mm)     Water Type     From (colour)     To (m)     Duration (m)     Duration (m)     Sampled to 5.00m, then rotary cored from 5.00m to 20.00m.       Rig     Date     Time     Borehole Depth (m) Depth (m)     Casing Depth (m)     Casing Depth (m)     Water Type     From (m)     To (m)     Duration (m)     Sampled to 5.00m, then rotary cored from 5.00m to 20.00m.       With response zone between 5.50m and 7.60m bgl. 4) Hydro     Hydro     Here     Here     Here	Run (m) Depth Type Results TCR SCR	RQD         If:         Man Max         By 3/5         Stratum Description           Strong light grey muddy LIMESTONE with frequent medium to coarse gravel sized bivalve and gastropod fossils and occasional veins and vugs of white calcite.         Strong light grey muddy LIMESTONE with frequent medium to coarse gravel sized bivalve and gastropod fossils and occasional veins and vugs of white calcite.           WHITE LIMESTONE FORMATION)         From 19.50m to 19.55m: Band of dark grey sandy mudstone	22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22	mbgl Thicknes (m)		Tegend	Instrum- entation
Rig     Date     Time     Borehole Depth (m) Depth (m)     Casing Diam.(mm)     Water Type     From (colour)     To (m)     Duration (m)     Duration (m)     Sampled to 5.00m, then rotary cored from 5.00m to 20.00m.       Rig     Date     Time     Borehole Depth (m) Depth (m)     Casing Depth (m)     Casing Depth (m)     Water Type     From (m)     To (m)     Duration (m)     Sampled to 5.00m, then rotary cored from 5.00m to 20.00m.       With response zone between 5.50m and 7.60m bgl. 4) Hydro     Hydro     Here     Here     Here			-				
Rig     Date     Time     Borehole     Casing     Casing     Water     Flush     Returns     From     To     Duration     Sampled to 5.00m, then rotary cored from 5.00m to 20.00m.       Rig     Date     Time     Depth (m)     Depth (m)     Diam.(mn)     Depth (m)     From     To     Duration     Sampled to 5.00m, then rotary cored from 5.00m to 20.00m.       Image: Control of the structure     Control of the structure     Control of the structure     From     To     Duration       Image: Control of the structure     Display (m)     Depth (m)     Depth (m)     Depth (m)     Control of the structure       Image: Control of the structure     Display (m)     Depth (m)     Depth (m)     Depth (m)     Depth (m)       Image: Control of the structure     Display (m)     Depth (m)     Depth (m)     Depth (m)     Depth (m)       Image: Control of the structure     Display (m)     Depth (m)     Depth (m)     Depth (m)     Depth (m)       Image: Control of the structure     Depth (m)     Depth (m)     Depth (m)     Depth (m)     Depth (m)       Image: Control of the structure     Depth (m)     Depth (m)     Depth (m)     Depth (m)     Depth (m)       Image: Control of the structure     Depth (m)     Depth (m)     Depth (m)     Depth (m)       Image: Co	Progress and Observations						
Logged in general accordance with BS5930:	Big Data Time Borehole Casing Casing Water Flush	Returns         From         To         Duration         sampled to 5.00m, then rotary           (colour)         (m)         (m)         (HH:MM)         Gas and groundwater monitoring	cored f ing well 5.50m a r install	from { I insta and 7. ation.	5.00m lled to 60m bg	to 20.0 7.60m gl. 4) H	0m. 3) bgl, lydrock

		Ţ				Pro	ject	:: B	egbroke				oreho RO			
Hyd	lro	CK											je No			
Method:	Rotar	v Core	d			Date	(s): 0	)3/02	/2023 - 07/02/2023 L	ogged By: JI	1	T			arshall	Drilling
		•	sity Developme	ent			. ,			hecked By:					mist	
			C-19114-C						61.57m OD				Scale			
-	Tioje		les / Tests	Me	echa	nical L			01.3711 00					J. I.		=
Sample/Core Run (m)	Depth (m) 0.10	Type	Results	TCR	SCR		Min	u Water- Strikes	Stratum De	•	LAY with	Depth mbgl	Thickness (m)	Level m OD	Legend	Instrum- entation
	0.30 0.30 -	ES B							occasional rootlets. Gravel is so and flint. (AGRICULTURALLY DISTURB	ub-angular fine of		0.30	(0.30)	61.27		
	0.80 0.80 - 1.20	в							Very soft orangish brown slightl CLAY with rare rootlets. Gravel rounded fine to medium of flint,	is sub-angular to	sub-	0.80	(0.50)	60.77		
1.00 - 2.00 100% rec	1.00	SPT D	N=31 (3,5,6,7,8,10)						(ALLUVIUM) Orangish brown silty medium g (RIVER TERRACE DEPOSITS Dense orangish brown gravelly	5)	1/	A	(0.55)	60.57	× × × × × ×	
									angular to sub-rounded fine to medium grained shelly limestor brown iron rich medium grained	coarse of tabular l ne, rounded dark o	light grey orangish	1.55		60.02	× 	
2.00 - 3.00 100% rec	2.00	SPT D	N=35 (4,10,9,8,9,9)						quartzite. (RIVER TERRACE DEPOSITS) Dense orangish brown very sar Gravel is sub-angular to sub-ro	ndy slightly silty G		-				
	2.00	D							tabular light grey medium grain rounded dark orangish brown ir sandstone, flint and quartzite.	ed shelly limestor	ne,	-	(1.45)			
3.00 - 4.00 100% rec	3.00	SPT	N=11						(RIVER TERRACE DEPOSITS Below 2.60m: Sandy. From 2.90m to 3.00m:Rus Medium dense dark brown grav	sty brown stained g		3.00 3.10	(0.10)	58.57 58.47	·	
100 % lec	3.00	D	(1,1,1,3,4,3)						Gravel is sub-angular to sub-ro tabular light grey medium grain rounded dark orangish brown ir	ounded fine to med led shelly limestor	dium of ne,	3.45	(0.35)	58.12		
4.00 - 5.00	4.00	SPT	N=15						sandstone, flint and quartzite. (RIVER TERRACE DEPOSITS Medium dense dark brown san angular to sub-rounded fine to o	dy GRAVEL. Grav		4.00	(0.55)	57.57		
80% rec	4.00 4.25	D HSV	(2,2,2,3,5,5) 100kPa						medium grained shelly limestor brown iron rich medium grained quartzite.	ne, rounded dark o d sandstone, flint a	orangish		(0.70)		× <u>×</u>	
4.80 - 6.00	4.46 4.80	HSV SPT	110kPa 50/15mm				50		(RIVER TERRACE DEPOSITS Firm orangish brown, dark brow gravelly slightly sandy CLAY. G rounded fine to coarse of tabula	wn and light grey r avel is sub-angul	lar to sub-	4.70 4.80	(0.10)	56.87 56.77	× <u>·×</u>	
			(25,50)				100 350		shelly limestone, rounded dark medium grained sandstone, flin (RIVER TERRACE DEPOSITS	orangish brown ir nt and quartzite.	on rich 5					
				83	83	80			Stiff grey slightly gravelly silty n occasional pockets (1mm x 5m other sulphide mineral). Beddin closely spaced horizontal. Grav	m max) of pyritic s ng fractures are ex	silt (or tremely	-				
6.00 - 7.50									medium of pyritic siltstone. (KELLAWAYS CLAY MEMBER Stiff greenish grey silty CLAY w gravel sized bivalve shell fragm	ith abundant fine	6 to coarse	-				- 
				100	87	87			(KELLAWAYS CLAY MEMBER Very strong thinly to thickly bed grained LIMESTONE with occa	:) Ided grey crystallir asional dissolution	surface		(3.20)			
									voids and veins/inclusions of ca white calcite. Beds are dark gre spaced of calcareous clay with between. Fractures are horizon	ey sandy closely to lenses of limestor	owidely 7. ne in-	-				-
7.50 - 9.00							_		medium to closely spaced, roug moderately wide clay infill. Sub- to 7.19m, stepped, no infill, blac (CORNBRASH LIMESTONE F	-vertical fracture fi ck staining 85 deg	rom 6.60m	-				-
								-	From 7.00m to 7.50m: Str Very stiff thinly laminated green Laminae are extremely closely	<i>rong biomicrite.</i> hish grey silty CLA		- 8.00		53.57		-
8.40 - 10.00				33	33	25			white silt and dark grey mudsto thick laminations and lenses of (FOREST MARBLE FORMATIC	one, and very close dark grey shelly l	ely spaced	-			×_×_	
	9.10	D									9 -	-			× ××	
	5.10			100	0	0						-			× ××	-
									<b>-</b>	Next Obs. 1	10 -	-			× ××	
		Progre	ss and Observ	ations			1			Remarks:					al 1	
Rig Date	e Time	Boreho Depth (r	e Casing Casing n) Depth (m) Diam.(mm) [	Water Depth (m)	Flus Type Air mi	e (d	eturns colour) Grey	Fro (m	n To Duration (m) (HH:MM) 5.00m, t	ection pit hand d due to water ing then rotary core vater monitoring	gress. 2) B d from 5.0	oreh 0m to	ole dy o 21.0	namio 0m. 3	c samp ) Gas	led to
chio 300									respons	e zone betweer hole ar 3.15m a	n 1.00m an	id 3.′				ck
			Template v3								Lo	gged in	general a	accordan	ce with BS	5930:20

Н١	ydı	ro	ck					Pro	ject	:: B	egbroke				reho RO:			
<b>.</b> ,	yu		CN											Pag	je No	o. 2 d	of 3	
Meth	nod: F	Rotar	y Core	d				Date	(s): 0	3/02	2/2023 - 07/02/2023	Logged By: J	М	0	Drilled	By: M	arshall	Drilling
Clien	nt: Oxf	ford l	Jniver	sity Dev	elopme	ent		Co-o	rds: 4	4484	485.73, 213352.47	Checked By:	CV	F	lush	: Air	mist	
Hydr	ock P	rojec	t No: (	C-19114	-C			Grou	nd Le	evel	: 61.57m OD				Scale	e: 1:	50	
Sample/C	Core		Sampl	es / Tests		М	echa	nical L	og	er-		-			less		g	É S S
Run (m)		Depth (m)	Туре	Res	ults	TCR	SCR	RQD	Min If: Mear Max	Water- Strikes	Stratum	Description		Depth	Thickness (m)	Level m OD	Legend	Instrum- entation
10.00 - 11.50	1	0.00 0.00 0.00 0.60	SPT D D D	50/15 (8,17,		58	0	0			Very stiff thinly laminated gr Laminae are extremely clos white silt and dark grey muc thick laminations and lensee (FOREST MARBLE FORM/	ely spaced, thinly la stone, and very clos of dark grey shelly	minated sely spaced		(4.50)			
11.50 - 12.50	-					30	10	0	10 15 50		From 11.50m to 11.76 light grey biomicritic ooliti weathered LIMESTONE gravel sized scallop look	c and shelly partially with occasional coar	se				×   ×   ×   ×   ×   ×   ×   ×   ×   ×	
12.50 - 14.00	-					100	98	88	100 600 1340		Very strong thinly bedded lig shelly coarse grained LIMEs gravel sized bivalve (scallop petrified (carbonised) wood crystalline grey limestone, c average) and rare coal. Bed dark grey slightly sandy clay limestone. Fractures are ho widely spaced, rough and u (FOREST MARBLE FORM/ From 12.55m to 12.69)	STONE with occasic ) fossils, white calci and plant fossils, ind alcite crystals (10mm s are closely to wide and greyish green izontal to sub-horiz ndulating, open with TTION)	nal coarse te veins, clusions of ₁₃ - m by 10mm ely spaced sandy ontal, clay infill.	12.50		49.07		
14.00 - 15.50	-					100	64	64	20 150 350	-	sandy calcareous clay. From 13.50m to 13.60, sandy calcareous clay. From 13.90m to 14.00, limestone. From 14.50m to 16.00, weathering.	m: Band of grey sand	dy		(3.35)			
15.50 - 17.00	-					93	80	80	20 250 450	_	From 15.80m to 15.85 (5-7mm spaced) and (2m coal. Extremely weak greenish gr calcareous SILTSTONE with limestone and shell fragmer (FOREST MARBLE FORM/	m to 15mm thick) pa ey partially weather n fine gravel sized fr ts.	ed	15.85	(0.55)	45.72 45.17		
17.00 - 18.50	-					100	100	93	100 500 1230		Extremely weak thinly lamin weathered calcareous MUD (FOREST MARBLE FORM/ Strong light grey muddy LIM (oyster) shells, veins and int 40mm wide, 40mm thick an- transparent calcite crystals. sub-vertical and vertical, clo open to moderately wide wit infill. (WHITE LIMESTONE FORM At 17.70m: Void infilled crystals (40mm wide, 400	ated greenish grey STONE. ITION) ESTONE with frequ illed shells and void d 50mm deep) of wf Fractures are sub-h sely to widely space h clay and dark grey IATION) I with 10-15mm sized mm thick and 50mm	17/ tent bivalve s (max bite and orizontal, d, rough, y striated 18 - 18 - 19 - 18 - 19 - 18 - 18 - 18 - 19 -	16.84	(1.56)	44.73		
18.50 - 20.00	-					100	98	98			Strong light grey very thinly with occasional bivalve foss calcite crystals) and rare da (chlorite or glauconite mayb ripple marked (undulating) s limestone in-between. Fract vertical and vertical, closely to moderately wide with clay Sub-vertical fracture 87 deg Vertical fracture 17.85m to 1 fracture from 18.00m to 18.2 vertical fracture 18.95m to 1	IIs (infilled with recry k green staining an e). Beds are light gr illtstone, with lenticu ures are sub-horizo to widely spaced, rc and dark grey stria rees, 17.19m to 17. 8.29, rough, steppe 60m, rough and clea 9.00m 70 degrees p	rstallised d inclusions eyish green lar 19 - ntal, sub- bugh, open ted infill. 40m, rough. d. Vertical n. Sub-	20.00	(1.60)	41.57		
				00 0 - 1	Jha	otice					Conc	on Next Sheet ral Remarks:	20 -	1				
Rig	Date	Time	Borehol	ss and ( e Casing n) Depth (m)	Casing	Water	Flusi Type		eturns olour)	Fro (m	m To Duration (HH:MM) diggin (m) (HH:MM) 5.00r grour respo	pection pit hand ng due to water in n, then rotary cor- idwater monitorin onse zone betwee d hole ar 3.15m a	gress. 2) Be ed from 5.00 g well instal in 1.00m an	oreh 0m ti lled 1 id 3.1	ole dy o 21.0 o 3.15 15m b	nami 0m. 3 5m bg	c samp 3) Gas II, with	oled to and

					ľ	Jroj	ect	: Ве	egbroł	ke						le N 802		
00	.K												P					
otarv	Cored	1				Date(	s): 0	3/02	/2023 - (	)7/02/20	023	l ogged By: J		T				Drillin
			elonme	<u>-nt</u>			,									-		
		-	-	5111														
-				N					01.5711	00								
pth	· · ·			TCR	SCR		Min	Vater- Strikes	with occas calcite cry (chlorite or ripple mari limestone vertical an to modera Sub-vertic Vertical fra with dark g (WHITE LL Fron clay wi (grypha eviden Fron gravel Fron	t grey very ional bival stals) and r glauconitk (ed (unduk in-betweer d vertical, r tely wide w al fracture cture 18.99 grey staine MESTONE n 18.44m tt th abundan eea looking ce of flame n 19.20m tt sized bival n 19.70m tt sods and 00	v thinly live fossil rare darie e maybe ating) si 1. Fractu closely f vith clay 87 degr 5m to 11 d and si E FORM b 18.47n to 18.27n to 19.70n ve and g b 20.00n ne inclus	aminated muddy LI ls (infilled with recry k green staining an a). Beds are light gr Itstone, with lenticu ires are sub-horizoi to widely spaced, rc and dark grey stria ees, 17.19m to 17. 8.29, rough, steppe 6m, rough, and clea 60,00m 70 degrees p triated infill. IATION) in: Band of stiff dark e shell fragments an tial hardground and ucture above. In: Frequent fine to n rastropod fossils. In: Dark grey with ran- sion of (Smm x 5mm)	MESTONE stallised d inclusions eyish green Ilar ntal, sub- ough, open ited infill. 21 40m, rough. ed. Vertical an. Sub- olanar, open grey d fossi/s 22 medium re	nbgin Thickness		m OD	puəɓər	Instrum-
													25 - 26 - 27 - 27 - 27 - 28 - 28 - 28 - 28 - 28					
Timo	Borehole	Casing	Casing	Water	Flush Type				n To	Duration (HH:MM)	1) Ins diggin 5.00m groun respo	pection pit hand ig due to water in n, then rotary con dwater monitorin nse zone betwee	ngress. 2) Bor ed from 5.00r ig well installe en 1.00m and	rehole n to 2 ed to 3 3.15	e dyn 21.00 3.15r	iamic )m. 3) m bgl	samp Gas a , with	led to and
	ptary ord Ui oject	prod Universi oject No: C Sample pth Type Progres Trans	Diary Cored ord University Dev oject No: C-19114 Samples / Tests pth Type Res Progress and Control of Casing Borehole Casing	ptary Cored ord University Developme oject No: C-19114-C Samples / Tests upth Type Results Progress and Observ Trope Borehole Casing Casing	potary Cored prof University Development oject No: C-19114-C Samples / Tests M ppth Type Results TCR I I I I I I I I I I I I I I I I I I I	potary Cored I I pord University Development ( oject No: C-19114-C C C Samples / Tests Mechan uph Type Results TCR SCR I I I I I I I I I I I I I I I I I I I	partary Cored       Date(         portary Cored       Co-or         oject No: C-19114-C       Groun         Samples / Tests       Mechanical Lo         pith       Type       Results       TCR       SCR       RQD         pith       Tope       Results	para Cored Date(s): 0 Date(s): 0 Co-ords: 4 Ground Le Samples / Tests Mechanical Log Ph) Type Results TCR SCR RQD # Max NAX Distribution of the second state of the se	preduction       Date(s): 03/02         preductiversity Development       Co-ords: 4484         oject No: C-19114-C       Ground Level:         Samples / Tests       Mechanical Log         preductiversity Development       TCR       SCR       ROD       # Man         preductiversity       Results       TCR       SCR       ROD       # Man       Image: Stress of the strest of the stress of the strest of the stress	Datary Cored         Date(s): 03/02/2023 - (           ord University Development         Co-ords: 448485.73, 2           oject No: C-19114-C         Ground Level: 61.57m           Samples / Tests         Mechanical Log           pin         Type           Results         TOR           Somples / Tests         Mechanical Log           pin         Type           Results         TOR           Somethics         Somethics           Vitine Cost         Somethics	Dates         Date(s): 03/02/2023 - 07/02/2           ord University Development         Co-ords: 448485.73, 213352 - 0           oject No: C-19114-C         Ground Level: 61.57m OD           Samples / Tests         Mechanical Log           min         Type           Results         TOR           Somples / Tests         Mechanical Log           min         Type           Results         TOR           Stamples / Tests         Mechanical Log           with occasional bank         Image Stamples / Tests           Mechanical Log         With occasional bank           chore regrees         Results           min         Type           Results         Image Stamples / Tests           Mechanical Log         With Call with the stample of	Date(s): 03/02/2023 - 07/02/2023           prot University Development         Co-ords: 448485.73, 213352.47           oject No: C-19114-C         Ground Level: 61.57m OD           Samples / Tests         Mechanical Log           jii         Type           Results         TOR           Sort ROD         Strong light grey very thirty           Jiii         Type           Results         TOR           Jiii         Type           Type         Results           Jiii         Jiii           Jiii         Jiii           Jiii         Jiiii           Jiiiiii         Jiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiii	Party Cored         Date(s): 03/02/2023 - 07/02/2023         Logged By: .           virt University Development         Co-ords: 448485.73, 213352.47         Checked By:           oject No: C-19114-C         Ground Level: 61.57m OD         Stratum Description           samples / Tests         Mechanical Log         92         Stratum Description           minimum         Tori Sori RoD in Meritian         92         Stratum Description           minimum         Tori Sori RoD in Meritian         92         Stratum Description           minimum         Tori Sori RoD in Meritian         92         Stratum Description           minimum         Tori Sori RoD in Meritian         92         Stratum Description           minimum         Tori Sori RoD in Meritian         92         Stratum Description           minimum         Tori Sori RoD in Sori RoD i	Dates y: Cored         Date(s):         03/02/2023 - 07/02/2023         Logged By:         JM           operation of University Development         Co-ords:         448455.73, 213352.47         Checked By:         CV           Samples / Tests         Mechanical Log         Stratum Description         Stratum Description         Stratum Description           min         Tore         Reads         Tor.         Stratum Description         Stratum Description           min         Tore         Reads         Tor.         Stratum Description         Stratum Description           min         Tore         Reads         Tor.         Stratum Description         Stratum Description           Stratum Foreign Stratum Description         Stratum Description         Stratum Description         Stratum Description           Stratum Foreign	Project         Project           Datary Cored         Date(s): 03/02/2023 - 07/02/2023         Logged By: JM         print           Operation         Co-ords: 448485.73, 213352.47         Checked By: CV         Fit           Samples: Type         Mechanical Log         Statutur Description         Statutur Description         Statutur Description           Image: Type         Revola         TOR         Statutur Description         Statutur Description         Statutur Description           Image: Type         Revola         TOR         Statutur Description         Statutur Status Description         Status Description	Program         Page No           Datary Cored         Date(s): 03/02/2023 - 07/02/2023         Dogged By: JM         Inite B           ofd University Development         Co-ords: 448486.73, 213362.47         Checked By: CV         Flust:           ojget No: C-19114-C         Ground Level: 61.57m OD         Scale         Scale           Simple: 7 main transmission         Mechanical Log         Stratum Description         Scale           Simple: 7 ministic and transmission         Stratum Description         Scale         Scale           Simple: 7 ministic and transmission         Stratum Description         Scale         Scale           Simple: 7 ministic and transmission         Stratum Description         Scale         Scale         Scale           Simple: 7 ministic and transmission         Scale         Scale         Scale         Scale         Scale           Simple: 7 ministic and transmission         Scale         Scale <td>Progress and Observations         Chiceling         <thchiceling< th="" thiceling<="">         Chiceling</thchiceling<></td> <td>Progress and Observations         Chiseling         Constrained and material and when a source of standard and and and and and and and and and an</td>	Progress and Observations         Chiceling         Chiceling <thchiceling< th="" thiceling<="">         Chiceling</thchiceling<>	Progress and Observations         Chiseling         Constrained and material and when a source of standard and and and and and and and and and an

		ro						Pro	ject	: B	egbrol	ke					oreh RO			
Hy	ú	ro	СК														ge N			
Metho	od:	Rotar	y Core	ed				Date	(s): 2	3/01	/2023 - 2	25/01/2	023	Logged By	: JM/MA		Drilled	By: M	larshall	Drilling
Client	: 0>	(ford l	Jniver	sity Dev	/elopme	ent		Co-o	rds: 4	1485	63.79, 2	13358.	02	Checked B	y: CV		Flusl	n: Air	mist	
Hydro	ock F	Projec	t No: (	C-19114	4-C			Grou	nd Le	evel:	61.47m	OD					Sca	e: 1:	:50	
Sample/Co	re		Sampl	es / Tests	6	M	lechar	ical L	og	ter- kes				l De e enintie n			ness		p	£5€
Run (m)		Depth (m)	Туре	Res	sults	TCR	SCR	RQD	Min If: Mean Max	Water- Strikes				Description		Depth	Thickness (m)	Level m OD	Legend	Instrum- entation / Backfill
		0.20	ES								frequent re			elly slightly sand ub-angular fine o		0.30	(0.30)	61.17		
		0.30 0.30 0.60 0.60	ES ES D D								Very soft ( slightly gra Gravel is s quartzite a	(wet) light y avelly sligh sub-angula and mudsto	ellowis tly sanc r to rou	RBED TOPSOIL h brown mottled ly CLAY with rare nded fine to coar	light grey e rootlets.					
1.20 - 2 80% rec		1.20 1.20 1.20 1.50 1.50	SPT D D D D		=7 ,2,2,2)						brown 1.0 to coarse and flir	n 1.00m to very grave 1.10m. Gra of light gre	lly silty r vel is ar ey coars	Band of dark ora nedium grained S ngular to sub-ang e grained ooidal i	SAND from ular fine to	-	(1.70)			
2.00 - 3		2.00	SPT		=16								-	ravelly silty coars	e grained	2.00		59.47		
100% re		2.00 2.00 2.00 - 2.40	D D B	(2,3,3	3,3,5,5)						SAND. Gr tabular lig rounded d sandstone	avel is sub ht grey me	-angula dium gr sh brow quartzite	r to rounded fine ained shelly lime n iron rich mediu e.	e to coarse of estone,	2.40	(0.40)	59.07		
3.00 - 4 70% rec	.00	2.00 - 2.40 2.40 - 3.00 2.40 -	B B B								Fror brown 2.0 to	n 2.00m to very grave 2.10m. Gra of light gre	2.10m: Ily silty r vel is ar	Band of dark ora nedium grained S ngular to sub-ang e grained ooidal i	SAND from ular fine to	3-	(0.90)	58.17	× × × × × ×	
		3.00 3.00 3.00 - 3.45	SPT D		=40 ,10,10,10)						Dark oran sub-angul medium g	gish brown ar to round rained she	led fine Ily limes	andy silty GRAVE to coarse of tabu stone, rounded d ned sandstone, f	ılar light grey ark orangish	3.90	(0.60)	57.57		
		3.00 - 3.45	D								(RIVER TI	ERRACE D n 3.00m: B				ŧ	(0.50)			
		3.00 - 4.00	В								Dark oran	gish brown	sandy	GRAVEL. Grave barse of tabular l		4.40		57.07	·····	•
		3.00 - 4.00	В		10									stone, rounded d ned sandstone, f			(0.60)		×	
5.00 - 6	.00	4.00 4.00 -	SPT D		=12 8,3,3,3)				40			ERRACE D				5.00		56.47	×	•
		4.00 - 4.45 4.00 -	D						200 500		rounded c	oarse of ta	bular lig	EL. Gravel is sub th grey medium	grained shelly					
		4.45 4.70	D			80	59	50			grained sa	, rounded c andstone, f ERRACE E	lint and		i rich mealum	ł				
		4.70 4.70	D HSV	122	2kPa						Fror	n 3.90m to	4.00m:	Becoming very c Belemnite fossil.	layey.	ŀ				
6.00 - 7	.50	5.00	SPT	(2	0mm 25)						Stiff thinly	laminated	light blu	uish grey slightly ravel sized shell		5-				
		6.00	SPT		0mm 5,10)	93	93	73			Bedding fi Gravel is s (KELLAW)	ssures are sub-angula AYS CLAY	extrem r fine to MEMB	rown medium gr ely closely space medium of mud ER) grained LIMEST	ed horizontal. stone.		(3.40)			
											Fractures closely sp moderatel (CORNBF	are horizor aced, roug y wide, cle RASH LIME	ntal to s h stepp an and STONE	ub-horizontal me ed and undulatin	edium to very	7 -				
7.50 - 9	.00	7.50	SPT		0mm 25)				1		Fror partiall	n 6.50m to ly open, und	6.70m: dulated.	One sub-vertical						
											with sp	oheroidal w	eatherin			-				
						100	100	124			Fror	н т.эUM to	1.50M:	Non-intact.						
									80 250 400	-	carbonace closely sp	eous MUDS	STONE one. Fra	partially weather with occasional actures are horizo and undulating, o	extremely ontal medium	8.40		53.07		
9.00 - 10.50		9.00	SPT		55mm ),15,18,7)				-		moderatel	y wide, cla MARBLE	y infill.			- -				
				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,. ,															
						95	64	64												
											Fror			Band of strong g	-		10.00			
			Dro	00.07-1	Ohaam	otice					Chi"			on Next Sheet ral Remarks:	1	) -	(3.20)	1		
	_	1	Boroho		Observa	ations	Flush	D	eturns	Fror		ING Duration	1) Ins	pection pit har						
Rig Comma	Date 23/01	Time 0545		n) Depth (m)		Water Depth (m)	Type		olour)	Fror (m)		(HH:MM)	_5.00n	n, then rotary o dwater monito	cored from 5.	00m	to 21.	00m. (	3) Gas	and
chio 300	23/01 24/01 24/01 25/01	1645 0715 1645 0715	2.45 2.45 12.02	5.30	127 127	0.40 0.20 11.60 0.00	Air mis Air mis							idwaler monito onse zone betw					ו, vvill1	
	25/01 25/01	1650	12.02	5.30	127 127	0.00	Air mis Air mis													
																oggodi	n gonoral		nce with B	

								Pro	ject	: Be	egbrol	ке						oreh RO			
Hy	<b>/a</b>	ro	СК															ge No			
Meth	od: F	Rotary	/ Core	d				Date	(s): 2	3/01	/2023 - 2	25/01/2	023	Logge	d Bv: J	M/MA	T	-		arshall	Drillin
		-		sity Deve	lonme	nt			. ,		63.79, 2				ed By:					mist	
				•	•	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,							02	Oneek	cu by.	0.		Scal			
Tyur		Tojec		C-19114-	0						61.47m	00								50	
ample/C tun (m)		Depth	Type	es / Tests Resul	ts	TCR	SCR	RQD	Min If: Mean	Water- Strikes		S	tratum	Descriptio	on		epth	Thickness (m)	Level m OD	Legend	Instrum- entation
10.50 - 12.00	. 1	(m) 0.50	SPT	60/130 (10,15,2	mm				Max		carbonace closely sp to closely moderatel (FOREST Fror	eous MUD aced siltste spaced, st y wide, cla MARBLE	STONE one. Fra epped a y infill. FORMA 9.85m:	partially we with occas actures are and undula ATION) Band of str	sional extr horizonta ting, open	l medium			m Le	Le	
12.00 -	. 1	2.00	SPT	50/0m	m	100	84	75	0		\ <u>(FOREST</u> ) Weak grey	MARBLE	FORMA ninated I	MUDSTON		12	11.60 11.70 11.80 12.00	(0.10) (0.10)	49.87 49.77 49.67 49.47		
13.50		2.00	SF I	(25)		95	90	18	0 0 0 0 0 0 0 0		(FOREST Interbedde laminated dark grey LIMESTO (FOREST	y shelly fir MARBLE ed extreme to thinly be SILTSTON NE. MARBLE n 12.05m t	ne grain FORMA ely weak edded s IE and v FORMA	ed LIMES ATION) c bluish gre ilty MUDS very strong	ey extreme TONE and grey shel	ly thinly I weak ly		(1.30)			
13.50 - 15.00									150 20 450 150 20 450	-	From interbe	n 13.15m t dded g grey ooli ctures are l, clean.	itic LIME horizor		ith occasi		1	(0.95)	48.17		
15.00 -						100	93	87	0 0 150 100 250		shells. Fra undulating ∖(FOREST	MARBLE g grey ooli ctures are , partly op MARBLE	FORMA itic LIME horizon en. FORMA	ATION) ESTONE w htal, mediu ATION)	m to close	ely spaced,	14.25 14.35	(0.10)	47.22 47.12 46.57		-
16.50						100	100	89	300 250 450 0	_	horizontal (FOREST	open and MARBLE t grey very	I undulat FORMA	ATION) aminated S			15.60	(0.00)	45.87		-
16.50 -									0 0 0 0 0	-	shells. \ <u>(FOREST</u> Weak darl \(FOREST	MARBLE grey oolit MARBLE	FORMA tic shelly FORMA	/ LIMÉSTC	DNE.	16	16.10 16.20	(0.10) (0.30)	45.37 45.27 44.97		-
18.00						100	100	100	0		(FOREST Moderatel occasiona (FOREST Very stron	MARBLE y strong da l shell frag MARBLE g light gre	FORMA ark grey ments. FORMA y LIMES	v silty sandy ATION) STONE with	y LIMEST	ONE with ₁₇	17.15	(0.65)	44.32		-
18.00 - 19.50									160 220 460		open, wav (WHITE L	y to rough			,	18	-	(1.90)			
						100	100	100	0	_	Weak gree	enish grey	SILTST	ONE.		19	- 19.05	(0.20)	42.42		-
19.50 - 21.00									0 0 180 50 300		(WHITE L At 1 Strong to staining L	IMESTON 9.10m: 6cm very strong MESTON closely to	E FORM <u>n x 2cm</u> g light gr E. Fracti o mediun		casional g orizontal te	o sub- osed,	- <u>19.25</u>	5 (0.20)	42.22		
		 г	Drogra	ee and O	hear	ations		<u> </u>	I		Chicol		Gene	on Next Shee ral Rema	ırks:	20					
Rig	Date	Time	Borehol	ss and O	Casing	Water	Flush Type		eturns olour)	Fror (m)		Duration (HH:MM)	1) Ins diggir 5.00n groun	spection p ng due to n, then ro ndwater m	oit hand o water ing tary core nonitoring	lug to 0.80 gress. 2) E d from 5.0 g well insta n 2.00m a	Boreh 10m t alled	iole dy o 21.0 to 4.0	namio 0m. 3 0m bg	c samp ) Gas	led to
				Template v3												Ŀ	ogged in	n general	accordan	ce with BS	<u>5930:20</u>

Hy	dro	ock	1			Pro	ject	: B	egbroke			R	03	ole N 303	3	
Mothor	d. Dot	ary Core	d			Data	(c)· 2	2/01	1/2023 - 25/01/2023	Logged By: JM/MA		1		). 3 c	arshall I	Drilling
		-										_			mist	Drining
			sity Developme	eni					563.79, 213358.02	Checked By: CV		-				
Hydroc	k Proj		C-19114-C					<u> </u>	: 61.47m OD					e: 1:	50	
Sample/Core Run (m)	Depth		les / Tests	TCR		nical Lo	Dg If: Mean	Nater- strikes	Stratum	Description	bth	n pg	Thickness (m)	Level m OD	Legend	Instrum- entation / Backfill
	(m)	Туре	Results	TCR	SCR	RQD	If: Mean Max	1 2 0	Strong to very strong light gr	ey with occasional green		I	<u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u></u>	ΞĒ	Ē	en B
				100	100	83			staining LIMESTONE. Fract horizontal, closely to mediur wavy and undulating. (WHITE LIMESTONE FORM From 19.90m to 20.400	ures are horizontal to sub- n spaced, open to closed, IATION) n bgl: Becomes darker grey.	-		(1.75)			
									End of Bor	- 2+ 21 - 2+ 21 - 22 - 23 - 24 - 24 - 25        -	1.00		40.47			
		Droger	and Observe							ral Remarks:	28					
Rig D	Date Tir	Boreho	ess and Observ	Water	Flush Type		eturns olour)	Fro (m	Chiselling m To Duration diggir ) (m) (HH:MM) 5.00n	pection pit hand dug to 0 ng due to water ingress. 2 n, then rotary cored from dwater monitoring well ir	2) Bore 5.00m	eho n to	le dy 21.0	namio 0m. 3	: samp ) Gas a	led to
										nse zone between 2.00m	and -	4.0	0m bị	gl.	ce with BS	<u>5930:2015</u>

								Pro	ject	: В	egbroke	•						reho RO			
Hyo	ar	00	CK															je No			
Method	1: R	otary	Corec	ł				Date	(s): 2	6/01	/2023 - 30/	01/2	023	Logg	ed By: 、	JM/MA	T			arshall	Drillin
Client: (	Oxfo	ord L	Inivers	ity Dev	elopm	ent		Co-c	ords: 4	4485	597.30, 213	336.3	32	Chec	ked By:	: CV	F	lush	: Air	mist	
Hydrock	k Pr	oiec	t No: C	-19114	-C			Grou	Ind Le	evel	61.47m O	D			-			Scale	e: 1:	50	
-		- ,		s / Tests		N	/lechai	-		T											4 - 3
Sample/Core Run (m)		pth n)	Туре		sults	TCR	SCR	RQD	Min	Vater-	Soft dark brov			Descrip		CLAY with	Depth mbgl	(m) (m)	Level m OD	Legend	Instrum- entation
											frequent rootle flint.						<u> 0.20</u>	(0.20)	61.27		
		40 40	D D								(AGRICULTU Very soft (wet sandy CLAY. coarse of flint (ALLUVIUM)	) light y Gravel i and qu	ellowisl is sub-a artzite.	h brown angular to	slightly gra	fine to	0.50	(0.80)	60.97		
1.20 - 2.00 100% rec		20	SPT		=8 ,3,2,2)						Orangish brow sub-angular to iron rich medi	o round	ed fine	and med	ium of dar	rk brown	1.30		60.17		
	1. 1.2 1.	20 - 65 20 - 65	D								(ALLUVIUM) Soft orangish decomposed to coarse of s	roots. G	Gravel is	s sub-rou	nded to ro			(0.70)			
2.00 - 3.00 20% rec	2. 2. 2. 2.	50 50 00 00 - 45	D D SPT D		=15 ,3,4,4)						(ALLUVIUM) Dark orangish angular to rou medium grain brown iron ric quartzite.	nded fi ed shel h mediu	ne to co ly limes um grai	oarse of t stone, rou ined sand	abular ligh Inded darl	nt grey k orangish	2.00	(1.30)	59.47		
3.00 - 4.00 100% rec	2.	00 - 45 00	D SPT		-16 ,3,5,5)						(RIVER TERF	RACE D	EPOSI	ITS)		3	-				
	3. 3.(	00 - 45 00 - 45	D D	(1,2,0)	,0,0,0)						Firm bluish gr Fissures are e oriented. (KELLAWAYS	extreme	ly close	ely space			3.30		58.17	× × ×	
4.00 - 5.00 30% rec	4.0 4. 4.0	00 00 - 45 00 - 45	SPT D D	N= (1,2,4	=15 ,3,4,4)											4	-	(2.10)			
5.00 - 6.00		00	SPT		-15 ,3,4,4)											5				× ×	
	5. 5.0	00 - 45 00 - 45	D			80	60	27	40 200 270		Very strong gr horizontal to s shelly laminat	ub-hori ed clay	izontal, infill.	open to	closed, wa	s are avy with	5.40		56.07	×_*_	
6.00 - 7.50	)					100	100	86			(CORNBRAS	H LIME	STONE	E FORM	ation)	6	-	(1.55)			
						100		80	0 0 0	_	Very strong gr shell fragmen (CORNBRAS	ts.				occasional ⁷	- 6.95	(0.55)	54.52		
7.50 - 9.00	)					100	83	65	50 150 450		Soft dark grey rounded to roi (CORNBRAS) Very strong gr fragments. Fravery close to r (CORNBRAS)	unded o H LIME rey san actures medium	of limes STONE dy LIME are hou space	stone. E FORM/ ESTONE rizontal to ed, with o	ATION) with occa o sub-verti ccasional o	sional shell ₈ ical, open,	7.50	(0.10)	<u>53.97</u> 53.87		
9.00 - 10.50	9.	00	SPT		20mm 5,5,42)				40 150 330	-	Weak grey thi with occasion are horizontal undulating, op	al thin t mediur en to n	oands (2 m to clo noderat	2mm) of osely spa tely wide	siltstone. F ced, stepp	Fractures ed and ⁹	8.70		52.77		
						100	100	97			(FOREST MA From 9. dynamic s to 10.0m.	00m to	10.50m	n: No recc			-				
												C		I on Next Sh		10	-				
Dia 5			-	s and	Obser _{Casing}	vation	S Flush		eturns	Fro		uration	1) Ins		pit hand	dug to 1.20 ngress. 2) B					
Rig         Da           comma         26/           300         26/           27/         27/	/01 ;/01 ;/01	Time 0715 1745 0715 1645		4.00 4.00 4.50			Type Air mis	(0	colour)	(m		IH:MM)	5.00n groun respo	n, then i ndwater onse zor	otary con monitorir ne betwee	red from 5.0 ng well insta en 6.00m ar 35m bgl afte	0m to Illed t nd 8.3	o 21.0 o 8.35 35m b	0m. 3 5m bg gl. 4)	) Gas I, with	and
comma 30/ chio 300		0000	15.00	6.00	127	0.10	Air mis		grey							I c	agged in	general a	<u>icc</u> ordan	ce with BS	<u>59</u> 30:20

			. 1				Pro	ject	: Be	egbroke					reho RO			
Hy	<b>/d</b>	ro	ck												je No			
Meth	od: F	Rotary	y Core	d			Date	(s): 2	6/01	/2023 - 30/01/202	23	Logged By: JI	1	T			arshall	Drilling
				sity Developme	ent			. ,		97.30, 213336.32		Checked By:		F	lush	: Air	mist	
				C-19114-C						61.47m OD					Scale	e: 1:	50	
Sample/C		,		es / Tests	М		nical L											έs
Run (m)		Depth (m)	Туре	Results	TCR	SCR	RQD	Min If: Mean Max	Water- Strikes	Stra	atum E	Description		Depth mbgl	Thickness (m)	Level m OD	Legend	Instrum- entation
10.50 - 12.00	- 1	10.50	SPT	50/135mm (8,17,23,27)				-		Weak grey thinly lamin with occasional thin ba are horizontal medium undulating, open to mc (FOREST MARBLE FC	ands (2 to clos oderate	mm) of siltstone. Fr sely spaced, steppe ely wide, clay infill.	actures -		(2.90)			
10.00					100	100	100	0 0 0	-	Interbedded extremely laminated to thinly bed dark grey SILTSTONE	lded sil	ty MUDSTONE and	lweak - lv -	11.60		49.87		
12.00 - 13.50	-				100	92	71			LIMESTONE. (FOREST MARBLE FC From 12.05m to r interbedded	12.20m	n: Limestone band in			(1.70)			
13.50 - 15.00	-				84	84	80	100 - 400 750	_	Very strong medium be medium grained LIMEs coarse gravel sized sh of calcite. Beds are dai partially weathered mu partially weathered hig siltstone and clay. Frac horizontal, medium spa moderately wide with o 16.70m to 17.00m, ste (FOREST MARBLE FO	STONE ell foss rk grey iddy lin hly cal ctures a aced, r clay infi pped,	with frequent med ills and occasional v of strong mediums nestone, extremely careous mudstone are horizontal to sub ough and undulatin ill. Sub vertical fract open with clean infil	ium to - white veins - spaced - weak - and 14 - o g, open to - ure from -	13.30		48.17		
15.00 - 16.50	- 1	15.10	HSV	50kPa	100	93	93			Below 16m: The becoming occasion From 16.25m to	occurre al and 16.35m	becoming more crys n: Band of Extremely	talline.		(4.70)			
16.50 - 18.00		16.55	HSV	22kPa	100	95	87			dark grey partially w with frequent fine se From 16.50m to From 17.50m to partially weathered occasional fine to c (oysters maybe). Fii	and siz 16.60m 17.90m calcare oarse s	ed shell fragments. : Band of soft grey of :: Band of strong dar eous mudstone with and sized shell frag	slay. 17 - k grey ments			10.17		- - - - - - - - -
18.00 - 19.50		18.10	HSV	40kPa	100	89	82	300 300 480		<u>fragments of carbor</u> Very strong to strong li grained LIMESTONE v sized shell fossils. Frac and sub-vertical, medii open to moderately wid mineral infill. Sub verti stepped, open with cle 18.64m to 18.76m step infill. Sub-vertical fractu moderately wide with c	nised p ight gre with oc ctures um spa de, with cal frac ean infil oped, r ure fro clean ir	lant fossils. benish grey fine to n casional fine to coal are horizontal, sub- aced, rough and unch clean, striated gre ture from 17.70m tt I. Sub-vertical fractunderately wide with m 19.25m to 19.46n fill.	nedium - rse gravel - horizontal - dulating, - y stained - o 18.00m, - ure from - h clean -	18.00	(2.00)	43.47		
19.50 - 21.00	-	F	Progre	ss and Observ	ations					with occasional fine At 19.00m: Striate Conception Chiselling	18.17m sand s ed frac ntinued o Gener 1) Insp	a: Band of firm grey of sized shell fragments ture. Son Next Sheet Sal Remarks: Dection pit hand d	s					
Rig	Date	Time	Borehold Depth (n	a Casing Casing ) Depth (m) Diam.(mm)	Water Depth (m)	Flush Type		eturns olour)	Fror (m)	) (m) (HH:MM) ( C	5.00m ground respor	g due to water ing , then rotary core dwater monitoring se zone betwee d borehole at 8.35	d from 5.00 g well instal n 6.00m and	0m to led t d 8.3	o 21.0 o 8.35 35m b	0m. 3 5m bg gl. 4)	) Gas I, with	and
InleBAS		rock Comb	ined Drilling	Template v3									Log	iged in	general a	accordan	ce with BS	5930:2

Hydrock								Project: Begbroke									Borehole No RO304						
пу	/ <b>a</b>	ro	СК					F										age No. 3 of 3					
Meth	od: I	Rotar	y Core	d				Date(s): 26/01/2023 - 30/01/2023 Logged By: JM/MA									Drilled By: Marshall Drillir						
				sity Dev	elopm	ent		Co-ords: 448597.30, 213336.32 Checked By: CV									Flush: Air mist						
				 C-19114							61.47m				·		Sca	le: 1	:50				
-		,		es / Tests		N		nical Lo						1						≟ ⊂ ≡			
Sample/Co Run (m)		Depth (m)	Туре	Re	sults	TCR	SCR	RQD	Min If: Mean	Water- Strikes		Sti	ratum	Description		Depth	Thickness	Level	Legend	Instrum- entation			
			Iype	Rei	sultS	80	80 80	RQD           79	If. Mean		Very stron grained LI sized shell and sub-ve open to m- mineral inf stepped, co 18.64m to infill. Sub moderatel (WHITE LI Fron with oc fragme Strong thic LIMESTOI fragments (ripple mai horizontal,	MESTONE fossils. Fri artical, mec oderately w ill. Sub ver pen with cl 18.76m stk vertical fract v wide with MESTONE <i>n</i> 19.70m tc casional fin <i>nts.</i> kikly laminat NE with occ of shell fos rks) of wea sub-horizc ugh and ur infill. MESTONE	with oc actures dium sp vide, witical fra lean inf epped, clean is FORM 20.000 the to co- ted light casional sils. La k grey sontal an ndulatin FORM	MATION) m: Band of firm gra- arse sand sized si it grey muddy fine al fine to medium ; mininations are un siltstone. Fracture id sub-vertical, m ng, open to model	coarse gravel ub-horizontal undulating, grey stained n to 18.00m, acture from with clean 21 46m stepped, ey clay hell gravel sized 22 dulating es are edium		(1.00						
													,		30 -								
Rig	Date	Time	Borehol	ss and e Casing n) Depth (m)	Casing	Water Depth (m)	Flush Type		eturns olour)	Froi (m		Duration (HH:MM)	1) Ins diggir 5.00n groun respo	ral Remarks: spection pit han ng due to water n, then rotary c ndwater monito nnse zone betw d borehole at 8	ingress. 2) B ored from 5.0 ing well insta een 6.00m an	orel 0m lled d 8	nole c to 21 to 8.3 .35m	lynar 00m. 35m b bgl. 4	iic samı 3) Gas ıgl, with	oled to and			
															Lo	gged i	n genera	al accord	ance with B	5930-20			

	Deter		al			) - t - (	(-), O	4/04	/2022 02/02/2022	Learned Dyn. IM		ge No			Deillie
Method:		•					,		/2023 - 02/02/2023	Logged By: JM			<u> </u>	arshall	Drillir
			sity Developme	nt					17.89, 212482.32	Checked By: CV				mist	
Hydrock	Projec		C-19114-C	1 .				1	60.12m OD			Scal	e: 1:	50	1
ample/Core Run (m)	Depth (m) 0.10 -	Sampl Type ES	es / Tests Results	TCR	echani _{SCR}	RQD	D <b>g</b> If: Mean Max	Water- Strikes		Description	Depth	Thickness (m)	Level m OD	Legend	Instrum- entation
	0.10 - 0.20	ES							rootlets. and coarse gravel s	relly sandy CLAY with frequen sized fragment of brick. Gravel	0.30	(0.30)	59.82		
	0.50 - 0.80	В							\(AGRICULTURALLY DISTU) Soft light orangish brown sa \(ALLUVIUM)			(0.30)	59.52	 × ×	×
1.00 - 2.00 30% rec	1.00	SPT	N=31 (3,4,7,6,8,10)						Light orangish brown mottle	ined SAND. Gravel is angular			59.32	× × × × × ×	× ×
	1.00 1.70 -	D							(RIVER TERRACE DEPOSI Dense light orangish brown grained SAND with bands of	silty very gravelly medium	1.70	(0.90)	58.42	××× ××× ×	
2.00 - 3.00 80% rec	2.00 2.00	D							sandstone, flint, quartzite an (RIVER TERRACE DEPOSI Dark brown very gravelly co	d white limestone. TS) arse grained SAND with band	2 s	(0.50)	57.92		
									of tabular medium grained ir quartzite and white shelly lin (RIVER TERRACE DEPOSI	nestone. TS)	2.70	(0.50)	57.42		
3.00 - 4.00 100% rec	2.80 2.80 3.00 - 3.50	D HSV U	59kPa						sandstone, flint, quartzite an (RIVER TERRACE DEPOSI	oular medium grained iron-rich d white shelly limestone. TS)	3				
	3.30 3.50 3.50	HSV D HSV	90kPa 72kPa						fossils. Bedding fissures are horizontal.	ents of bivalve and ammonite extremely closely spaced	-	(1.30)		×_×_ ×_×_	
4.00 - 5.00 30% rec	3.70 4.00	HSV SPT	72kPa N=23 (2,3,3,6,6,8)						(OXFORD CLAY FORMATIO	,	4.00		56.12	×	
50 % Tec	4.00 4.00 4.50	D U HSV	(2,3,3,0,0,0) 135kPa						fossils. Bedding fissures are horizontal. (OXFORD CLAY FORMATIO	DN)	-				
5.00 - 6.50 80% rec	4.70 5.00	D							Below 4.00m: Becomir Below 5.00m: Frequen and ammonites.	ig डागा. t fine to coarse shell fossils	5 -			× ×	-
	5.50 5.70	SPT HSV	N=27 (3,5,5,6,8,8) 122kPa								-			× × ×	
	6.10 6.20 6.30	HSV D HSV	102kPa 112kPa						At 6.35m: Pyritised (or	other sulphide mineral)	6 -			× ×	
6.50 - 8.00 95% rec	6.50 6.50	SPT D	50/150mm (4,6,6,7)						ammonite fossil. From 6.80m to 7.00m: brecciated mudstone with	Band of very strong		(5.10)		× ×	
	7.20	HSV	112kPa							e/clear calcite minerals and	7-			× × ××	
	7.60 7.70	D HSV	121kPa											×_×_	
8.00 - 9.50 70% rec	8.00	SPT	N=46 (5,8,10,10,13,13)								8-			× ××	
	8.65 8.70	HSV D	125kPa								-			× ×	
9.50 - 11.00 70% rec	9.30 9.40 9.50	D HSV SPT	90kPa 50/145mm (7,12,30,20)						occasional medium to coars belemnite fossils. (OXFORD CLAY FORMATIO Below 9.40m: Sandy.	ON)	9 - 9.10 	(0.60)	51.02 50.42		
1 U /0 IEC									Continued	ty CLAY with occasional ents of bivalve fossils. Bedding on Next Sheet ral Remarks:	- - 10 -			×	
			ss and Observa			_			Chiselling 1) Ins	pection pit hand dug to 0.9					
Rig Date Comma 02/0 chio 300		Depth (n	n) Depth (m) Diam.(mm) D	Water epth (m) 0.10	Flush Type Air mist	(co	turns blour) grey	Froi (m	) (m) (HH:MM) then i grour respo	ng due to water ingress. 2) rotary cored from 8.00m to adwater monitoring well ins onse zone between 1.00m d well at 2.50m bgl after ir	20.00 stalled and 2.	m. 3) to 2.50 50m b	Gas a Om bg	and gl, with	

			, I					Pro	ject	: B	egbrol	ke					reho					
Hy	/ <b>d</b>	ro	CK														ie No					
Moth	od. I	Potor	y Core	d				Data	(0).3	1/01	12022 (	02/02/2	0.0.3	Logged By: J		Ť				Drilling		
			-			4		Date(s): 31/01/2023 - 02/02/2023 Logged By: JM Co-ords: 449117.89, 212482.32 Checked By: CV									Drilled By: Marshall Drillin Flush: Air mist					
				sity Dev	•	ent							32	Спескеа Ву:	CV	_						
Hydro	ock F	Projec		C-19114						evel:	: 60.12m	OD					Scale	e: 1:	50			
Sample/Co Run (m)		Depth (m)	Sampl _{Type}	es / Tests _{Res}		TCR	lechar scr	RQD	Dg Min If: Mean	Water- Strikes		St	ratum	Description		Depth mbgl	Thickness (m)	Level m OD	Legend	Instrum- entation		
		10.30	HSV	130	kPa				Max		medium gi fissures ar	ravel sized	fragme y close	ty CLAY with occas ents of bivalve fossil ly spaced horizonta DN)	s. Bedding	-	(1.60)		× ×	-		
11.00 - 12.50 60% re		10.70 10.70 11.00	D HSV SPT	140  50/16 (10,15,2	5mm						Fron	m 10.70m to	o 11.0m	: Very stiff.	11 -	11.30	()	48.82	× ×× ××			
		11.60	D								gravel size	sandy CLA ed bivalve ( AYS SAND	(oyster)		to coarse	-	(1.30)					
12.50 - 14.00 73% re		12.50 12.70	SPT D	50/12 (13,12										r fine to medium gra		12.60		47.52		- 		
		13.30	D								fossils. (KELLAW/ From	AYS SAND n 12.80m to	MEME 0 12.90	arse gravel sized biv ER) m: Band of moderate red partially weather	13 - ely weak	13.20	(0.60)	46.92	× × × × × ×			
											SANDS bivalve Stiff grey s gravel size	STONE witi fossils. sandy CLA	h occas Y with f	requent medium to onally pyritised) and	sized coarse	-	(0.65)		× ××			
14.00 - 15.50 100% r											Very stiff th occasiona sized fragi	I mudstone ments of bi	ated gro lithore valve fo	ey silty micaceous ( licts and fine to me ossils. Laminae are	dium gravel very closely	14.00	(0.44)	46.12 45.68	× × × × × × ×	-		
		14.80	D								extremely (KELLAW/ Grey very SAND. (KELLAW/	closely spa AYS SAND silty fine to AYS SAND	Aced ho MEME mediu MEME	ER) m grained possibly	micaceous ₁₅ .	-			× × × ×	-		
15.50 - 17.00 100% r	rec	15.60	D								sand w (look lin Very stiff th CLAY with fine to mee	<i>vith occasio <u>ke gryphae</u> hinly lamin i occasiona dium grave</i>	<i>nal coa</i> a) fossi ated gro I muds I sized	rse gravel sized bive	alve aceous occasional sionally ₁₆	-	(2.66)		× × × ×	-		
		16.20 16.50 16.70	HSV D HSV	140 140							closely spa (KELLAW/ From degree	aced horizo AYS CLAY m 15.91m to es.	ontal. MEMB o 15.97	n: Sub horizontal fis	sure 60	-			×_×_ ×_×_	-		
17.00 - 18.50		17.20	D						250	_	by 5cm Stiff dark of fine to coa	n max) of gi greenish gr irse gravel	re <i>yish g</i> ey sligh	Occasional pockets reen pyritic silt. htly sandy CLAY wit ivalve shells and sh	17 - h abundant	17.10 17.30	(0.20)	43.02	×	-		
						81	81	81	400 700		Very stron LIMESTOI bivalve fos of clay. Fra vertical, m	AYS CLAY g thickly la NE with oc ssils. Lamir actures are redium to w	minateo casiona nae are horizo videly s	ER) d grey shelly muddy al dissolution surfac closely to very clos ntal, sub-horizontal paced, rough and u tical fracture from 1	e voids and ely spaced ₁₈ and sub- ndulating,	-						
18.50 - 20.00						100	89	89			(CORNBR From freque Belo From LIMES	n 17.30 to nt clay vein w 17.50m: n 19.0-19.5 TONE with pivalve shel	STONE 17.50m: s. Freque 0m: Wf abunda	clay infill. E FORMATION) Appears brecciated nt shell fossils nite very strong shell ant fine to coarse gra shell fragments and s	y avel		(2.70)					
												one with ra	re shell	ark grey crystalline fossils and rare silts on Next Sheet	tone 20 -	20.00		40.12				
	Progress and Observa								1.1000	F	Chisell		1) Ins	ral Remarks: pection pit hand ng due to water ir								
Rig	Date	Time		le Casing n) Depth (m)	Casing Diam.(mm)	Water Depth (m)	Flush Type		eturns olour)	Froi (m		Duration (HH:MM)	then grour respo	ng due to water in rotary cored from idwater monitorin inse zone betwee id well at 2.50m b	8.00m to 20 g well instal en 1.00m an	0.00r lled t id 2.5	n. 3) ( o 2.50 50m b	Gas a )m bg	nd I, with			
																aded in	deperal a	accordan	ce with BS	5930-20		

Hydrod	ck		Project:	Borehole No RO305								
Mathady Datamy	Canad		Deta(a): 21/	04/2022 02/02/2022	Logged By: JM	age No. 3 of						
Method: Rotary				01/2023 - 02/02/2023	Drilled By: Marshall Drilling							
	Iniversity Developmen	าเ		9117.89, 212482.32	Checked By: CV	Flush: Air mist						
Hydrock Project				el: 60.12m OD		Scale: 1:5	0					
Sample/Core	Samples / Tests		inical Log	Stratum	Description 5	DD al	jend trum- ackfill					
Sample/Core Run (m) Depth (m) (m)	Type Results	TCR SCR	Min te	Very strong thickly laminate LIMESTONE with occasiona bivalve fossils. Laminae are of clay. Fractures are horizo vertical, medium to widely s open with clay infill. Sub ver 19.00m, stepped, open with (CORNBRASH LIMESTON) From 19.70 - 20.0m: D limestone with rare shell inclusions.	d grey shelly muddy al dissolution surface voids and closely to very closely spaced ntal, sub-horizontal and sub- paced, rough and undulating, tical fracture from 18.70m to clay infill. E FORMATION) <i>ark grey crystalline</i>	mbgi       Thickness       (in)       (in)       (in)       (in)       (in)       (in)       (in)	Legend Legend					
Rig Date Time	Progress and Observa	Water Flus		Cniselling 1) Ins From To Duration (m) (m) (HH:MM) then grour response	eral Remarks: spection pit hand dug to 0.90m ing due to water ingress. 2) Dyn rotary cored from 8.00m to 20.0 ndwater monitoring well installed nose zone between 1.00m and 2 ad well at 2.50m bgl after installed	amic sampled t 00m. 3) Gas and d to 2.50m bgl, 2.50m bgl. 4) H	o 8.00m, d with ydrock					

Ну	'd	ro	ck					Pro <u></u>	ject	: B	egbroke		Borehole No RO306						
				mpled &	Poton		od	Data	(c)· 0	8/02	2/2023	Logged By: Z		T	-	D. 1 of 1 By: Marsha	ll Drilling		
		-		sity Deve								Checked By: 2				: Air/Mis			
				-	-						65.63m OD	Checked by.		_			L		
Sample/Co	re	lojec		C-19114- es / Tests				nical Lo		<u> </u>	05.03m OD					: 1:50			
Run (m) Smpl. Ø (m Smpl. rec. 9	im)  -	Depth (m)	Туре	Resu	ılts	TCR	SCR	RQD	Min If: Mean Max	Water- Strikes	Stratum Soft brown slightly sandy CL (AGRICULTURALLY DISTU		tlets	Depth mbal	(m) (m)	Level m OD Legend	Instrum- entation		
											Soft light brown sandy CLAY (ALLUVIUM)	,		0.30	(0.40)	65.33	<u></u>		
											Soft brown mottled grey slig Gravel is sub-angular to sub flint and sandstone. (ALLUVIUM)			0.70	(0.50)	64.93			
1.20 - 2 110mm 67% rec											Firm orangish brown slightly occasional cobbles of sub-ai limestone. Gravel is rounded flint and limestone. (ALLUVIUM)	ngular to sub-rounde	d		(1.50)		a ser a s		
2.70 - 4	.00								10 100 140	-	Soft orangish brown slightly occasional shell fragments. angular to sub-rounded fine	Sand is coarse. Grav	/el is sub-	2.70	(0.45)	62.93			
4.00 - 5	50					77	37	18			sandstone. (ALLUVIUM) Between 3.05m and 3. and more sandy and grav Strong light grey with orange LIMESTONE. Fractures are open, wavy and undulating v (connection and undulating v	<i>relly.</i> e and dark grey stain horizontal to sub-ho with occasional sand	ing shelly rizontal,	3.15	(1.45)				
4.00 - 3	.50								50 300 400		(CORNBRASH LIMESTONE	·		4.60		61.03			
						67	62	53			shell fragments and occasio limestone. (FOREST MARBLE FORMA	nal thin bands (5mm			(0.90)				
											End of Bor	ehole at 5.50m	6 - 7 - 8 - 9 -	5.50		60.13			
		F	Progre	ss and C	bserva	ations	 ;				eral Remarks: spection pit hand dug to 1	20m h~l -2) D		 					
Rig Comma chio 205	Date 07/02	Time	Borehol		Casing	Water	Flush Type Air/Mis	(c	eturns olour) NR	ther	rotary cored to 5.50m bgl m bgl, with response zone	. 3) Borehole insta	illed with gi	roun					
HoleBASE	SI - Hvd	Irock Comb	ined Drilling	2 Template v3									Lo	gged ir	n general	accordance with	BS5930:2015		

Нус	dro	ck				Proj	ject	: B	egbroke		Borehole No RO307					
			manlad 8 Datam			Dete	(-). 0	0/07	2/2023	Level Du Z		T		<b>b. 1 of</b> By: Mars		
	-		ampled & Rotary		eu		,		15.61, 213666.35	Logged By: Z Checked By:		_		: Air/M		llling
				nı						Спескей Бу.		_				
HYOrOCK Sample/Core	( Proje		C-19114-C			-			66.09m OD			2		: 1:50		
Saniple/Core Run (m) Smpl. Ø (mm) Smpl. rec. %	Depth (m)	Type	les / Tests Results	TCR	SCR	RQD	.og If: Mean Max	Water- Strikes	Stratum Soft brown slightly sandy CL (AGRICULTURALLY DISTU		otlets	Depth mbgl	(m) (m)	Level m OD	Legend	entation
1.20 - 2.70 110mm									Soft light brown sandy CLAY (RIVER TERRACE DEPOSI Soft orangish brown mottled CLAY. Gravel is sub-angular coarse of sandstone flint and (RIVER TERRACE DEPOSI	TS) brown gravelly very to sub-rounded med d quartzite.	sandy	0.30 0.70	(0.40)	65.79		
87% rec									Between 1.70m and 2 sandy. Soft orangish brown sandy v		2 - -	2.30	(1.60)	63.79		
2.70 - 3.20 110mm 100% rec									sub-angular to sub-rounded sandstone and quartzite. (RIVER TERRACE DEPOSI Between 2.55m and 3. gravelly with occasional c	fine to coarse of flint TS) 00m bgl: Becoming m	and -	3.00	(0.70)	63.09		
3.20 - 4.70								-	Strong light brownish grey w shelly weathered LIMESTOD sub-horizontal, open to close occasional sand infill. (CORNBRASH LIMESTONE Between 3.00m and 3.	vith reddish brown sta NE. Fractures are ho ed, wavy and undula E FORMATION) 45m bgl: Non intact.	aining rizontal to ting, with	3.90	(0.90)	62.19		
				100	55	39			Moderately weak light grey s are horizontal to sub-horizor undulating with shelly clay in (CORNBRASH LIMESTONE	ntal, open to closed a nfill.			(0.80)			
4.70 - 5.20				100	100	100		-	Strong light grey shelly LIME horizontal to sub-vertical, op and undulating with occasion (CORNBRASH LIMESTONE Very weak grey thinly bedde	en and closed, clear nal sand infill. E FORMATION)	rough	4.70 5.00 5.20	(0.30)	61.39 61.09 60.89		
									(FOREST MARBLE FORMA End of Bor		6					
		Progra	ess and Observa						eral Remarks:		10 -					
Rig Dat Comma 08/0 205		e Boreho Depth (i		Water	Flush Type Air/Mis	(Co	eturns olour) NR	ther	spection pit hand dug to 1 rotary cored to 5.20m bgl m bgl, with response zone	. 3) Borehole insta	lled with gr	oun				
HoleBASE SI - H	Hydrock Co	nbined Drilling	2 Template v3								Loç	ged in	n general	accordance	with BS593	30:201

Нус	dro	ck			Pro	oject:	Beę		Borehole No RO307A Page No. 1 of 1						
Method:					Data	e(s): 08	102/2	022	Logged By: Z		1			of 1 arshall	Drilling
			ity Developme	nt				5.61, 213666.35		_			/Mist	Drining	
				, I IL				6.09m OD	Checked By:		_	Scale			
пуштоск			-19114-C s / Tests		illing Rec		1				3			100	
Run (m)	Depth (m)	Туре	Results	Weight	Mins	Secs	Water- Strikes	Stratum	n Description		Depth mbal	Thickness (m)	Level m OD	Legend	Instrum- entation / Backfill
	1 ( )			(Kg)				Soft brown slightly sandy \(AGRICULTURALLY DIS		rootlets.	□ E 0.30	(0.30)	65.79		- 0 -
								Soft light brown sandy CL (RIVER TERRACE DEPC Soft orangish brown mott CLAY. Gravel is sub-angu coarse of sandstone flint	LAY. DSITS) tled brown gravelly v ular to sub-rounded r and quartzite.	ery sandy medium to	0.70	(0.40)	65.39		
							Genera	(RIVER TERRACE DEPO		22 3 4 5 6 7 8 9 9 10 11 12 13 14 15 16 17 18 19 20 20	2.00		64.09		
Rig Dai Comma 08/0 205	te Time	Borehole	s and Observ	Water I Depth (m)		Returns i colour) [	1) Insp nterpro Boreho	al Remarks: ection pit hand dug to 1 etted from nearby rotary ole installled with ground en 1.00m and 2.00m bgl	v cored position. 3 dwater montoring	) Borehole o	per	n hole	d to 2	.00m b	gl. 4)
										Log	ged ir	n general	accorda	nce with B	55930:20