B/HQP/AQ_HRA/22

Hills Quarry Products Limited

Airfield Quarry

Gally Leaze, Gloucestershire

Proposed sand and gravel extraction and restoration

Hydrogeological Risk Assessment

Final Report
April 2022

Appendix 1 Guidance & Information Sources

BCL HYDRO
BCL Consultant Hydrogeologists Limited

Technology Centre, Wolverhampton Science Park, Glashier Drive, Wolverhampton
West Midlands, WV10 9RU. Tel: 01902 824111, Fax: 01902 824112
email: info@bclhydro.co.uk, web: http://www.bclhydro.co.uk
Registered Office: 33, Wolverhampton Road, Cannock, West Midlands, WV11 1AP
Registered in England & Wales. Company Registration Number: 4043373

Regulatory & Industry Standard Guidance & Methodologies & Literature References

- “Hydrogeological Impact Appraisal for Dewatering Abstractions Environment Agency - Science Report (SC040020/SR1)”. Water Resource Consultants for the Environment Agency, April 2007.
- “National Planning Policy Framework” (NPPF: Department for Communities and Local Government [DCLG], February 2019).
- “Planning Practice Guidance to the National Planning Policy Framework - www.gov.uk/government/collections/planning-practice-guidance” (PPG: DCLG), Launched March 2014).
- "Flood Risk and Coastal Change", Planning Practice Guidance (PPG), DCLG / Department for the Environment Food and Rural Affairs (DEFRA), above website - launched March 2014.
- "Planning Policy Statement 25 (PPS 25): Development and Flood Risk" (PPS25: DCLG, 2006)
- “Development and Flood Risk: A Practice Guide Companion to PPS25”, DCLG, February 2009 (referred to herein as PPS25pg).
- “Flood Estimation Handbook CD-ROM, Version 3.0 (FEH CD-ROM No.3)”, Centre for Ecology and Hydrology (CEH; formerly the Institute of Hydrology), 2009 and successor web-service.
- “The Calculation of Actual Evaporation and Soil Moisture Deficit over Specified Catchment Areas”, Grindley J, November 1969, Hydrological Memorandum 38, Meteorological Office, Bracknell, UK.
- “Estimation of Open Water Evaporation, Guidance for Environment Agency Practitioners”, R&D Handbook W6-043/HB, Finch JW and Hall RL, October 2001.
- “Technical Management of Water in the Coal Mining Industry”, National Coal Board (NCB), 1982.
- “Some Physical Properties of Sand and Gravels”, Hazen A., 1893, Massachusetts State Board of Heath, 24th Annual Report.
- “Control of groundwater for temporary works”, SH Somerville, 1986, Construction Industry Research and Information Association (CIRIA) report no. 113.
- "Groundwater Protection: Principles and Practice (GP3)" Version 1.1, EA, August 2013 and the superseding “Groundwater Protection - collection”, DEFRA Website, January 2020.
- "Groundwater Hydrology”, D K Todd, 1980.
- LandSim Release 2 Manual / Version 2.5 Addendum / Version 2.5.17 Addendum, Golder Associates / EA, EA R&D Publication 120.
- “Flood Estimation Handbook CD-ROM, Version 3.0 (FEH CD-ROM No.3)”, Centre for Ecology and Hydrology (CEH; formerly the Institute of Hydrology), 2009 and successor web-service.
- Landfill Developments: Groundwater Risk Assessment for Leachate (https://www.gov.uk/guidance/landfill-developments-groundwater-risk-assessment-for-leachate);
- “Additional guidance for hydrogeological risk assessments for landfills and the derivation of groundwater control levels and compliance limits”, EA Horizontal Guidance Note H1 – Annex J3, Version 2.1, December 2011;
- "Hydrogeological Risk Assessments for Landfills and the Derivation of Groundwater Control and Trigger Levels” (LFTGN01), EA, March 2003 ;
- “Guidance on Monitoring of Landfill Leachate, Groundwater and Surface Water” (LFTGN02), EA, February 20034, and;
- "Techniques for the Interpretation of Landfill Monitoring Data” (Guidance Notes), EA Final technical report P1-471, 2002.
- "Manual for the production of Groundwater Source Protection Zones”, EA March, 2019.

Published Data Sources

- Ordnance Survey (OS): Topographic maps at scales of 1:50,000 and 1:25,000.
- OS open-source digital data (Meridian 2, Panorama & Terra50 data-sets).
- British Geological Survey (BGS): Published 1:50,000 scale solid and drift geological mapping, sheet-no's. 252 (Swindon).
- BGS Geoindex, well details and borehole logs, 2017.
- Environment Agency (EA) , October 2017:
- Source Protection Zone (SPZ) spatial mapping data;
- Licensed abstractions;
- Flooding spatial mapping data;
- Register of Waste Disposal Sites;
- Local rainfall data, and;
- Water Framework Directive Catchment Mapping, Cycle 2.
- Natural England (NE): Spatial mapping & citation information for Designated Sites of ecological interest (Sites of Special Scientific Interest [SSSI's] & Special Areas of Conservancy [SAC's]);
- Geoindex, well details and borehole logs and On-line Lexicon of Named Rock Units, BGS;
- Spatial mapping & citation information for Designated Sites of ecological interest (Sites of Special Scientific Interest [SSSI's] & Special Areas of Conservancy [SAC's]), Natural England (NE);
- "The Physical Properties of Major Aquifers in England and Wales", EA & BGS, Allen D.J, Brewerton L.J, Coleby L.M, Gibbs B.R, Lewis M.A, McDonald A.M, Wagstaff S.J, Williams A.T, 1997;
- "Climate & Drainage", Technical Bulletin No. 34, Ministry of Agriculture Fisheries & Food (MAFF), September 1976.
- "Cotswolds Catchment Abstraction Licensing Strategy", EA, December 2012.
- "Gloucestershire Minerals Local Plan 1997-2032 - www.gloucestershire.gov.uk/planning-and-environment/planning-policy/minerals-local-plan-for-gloucestershire" (MLP), March 2020.
- "Gloucestershire County Council, Strategic Flood Risk Assessment for Minerals and Waste Development Framework", September 2008.
- "Geoenvironmental and geotechnical Desk Study Report and Phase 1 Ground Condition Assessment." Peter Brett Associates. May 2009.
- "Groundwater Risk Assessment for Brogborough Landfill – Addendum report for Extension Area. Report Ref. 15738RR014i2." Entec. Nov 1998.
- "Some properties of heavily overconsolidated Oxford Clay at a site near Bedford." Geotechnique 22 No. 3, pp485-507. R.H.G Parry. 1972.
- "Contaminant Transport in heterogeneous porous media: a case study." Journal of Hydrology. 175 pp 383 – 406. R Mackay and T.A Cooper. 1996.
- "Whetstone Bridge Farm. Environmental Impact Assessment", SLR Associates for Moreton C Cullimore Limited, June 2011.
- "Eysey Manor Farm, Cricklade, Wiltshire. As assessment of the potential impacts upon the water environment of the proposed extraction of sand and gravel and restoration to agriculture, lakes and nature conservation after-uses.", Hydrogeology Unit, Tarmac Quarry Products Limited, May 2001.

Site Specific Data Sources

- "Airfield Quarry, Gally Leaze, Gloucestershire. Proposed sand and gravel extraction and restoration. Hydrological & Hydrogeological Impact Assessment". BCL. November 2020. Ref. /B/LMM/AQ_HHIA/20.
- "Down Ampney Estate. Mineral Assessment Report", D K Symes Associates for Down Ampney Estate, December 2005"
- "Down Ampney Quarry. Winning and working of sand and gravel. Environmental Statement", Scott Wilson for Hanson Quarry Products Europe Limited, August 2009"
- Airfield Quarry topographic survey, Brunel Surveys. 2018.
- Base of deposit survey, Brunel Surveys. 2018.
- Groundwater elevation and water quality data collected by Hanson and Hills Quarry Products Limited.
- Drill logs for site piezometers – installed September 2018, BCL.
- Results of water features survey undertaken by BCL – *appendix 4*.
- Piezometer testing and sampling, BCL, 2020.

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Airfield Quarry

Gally Leaze, Gloucestershire

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Appendix 2 Gloucestershire County Council Regulation 25 Letter

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The Mineral Planning Authority (MPA) formally requests further information and clarification on the following matters in response to consultations responses from statutory consultees and representations from consultees and public in accordance with EIA Regulations 2017 for planning application 21/0032/CWMAJM '*The extraction of minerals, provision of associated infrastructure including access and processing facilities, associated ancillary buildings, structures and operations, with site restoration using imported materials to agriculture and enhanced ecological interest and bio-diversity' at Former RAF Down Ampney Airfield & Surrounding Areas The New Road Down Ampney Gloucestershire GL7 5PL.*

Highways

Location of Access Road

- Information on how Policy 19 (Chippenham Central Areas of Opportunity) of the Wiltshire Core Strategy (2015) that requires any development proposals effecting the area including possible impacts of HGV traffic on the local road network has been considered and addressed in connection with the routing of HGV vehicles from the proposed site and any proposed movements through Cricklade.

- Information on how the proposed quarry considers the possible/potential impacts of the construction of the proposed access on Plantation W16 and whether further protection measures are required taking into account the recent changes made to the Cotswold Water Park SSSI destinations.

- Clarification on whether the existing access in to the site from the C124 via Oak Road – see pictures below was considered as a possible entrance for the proposed site as the road is wider, relatively straight, with good visibility and no watercourse to cross. It is also within Gloucestershire County Boundary which would make them the sole authority for the application.

https://ww3.gloucestershire.gov.uk/PROW/PROWWS.asmx/GetFileGCCContents?Filename=images%2f21_0032_CWMAJM_KEMPSFORD_PC_29JUL21.PDF

Proposed Routing

- Clarification on whether a routing scheme is proposed that would require no HGV traffic to and from the site would be permitted to travel through Cricklade.

Noise and Vibration

- Information on proposed mitigation to protect Marston Meysey from the possible impacts from noise generated from the operation/extraction of Phase 1 especially during the winter months when many of the trees which form a summer barrier along the banks of Marston Meysey Brook have no leaves.

Climate Change

- Additional information relating to the use of renewable energy options to power the various elements of plant site and offices in the short and long term.

- Plans on reducing the carbon output and impact of HGvs importing and exporting material from the site during the construction and operation of the proposed quarry.

Ecology

Skylarks

- Information concerning the possible impacts from the operation of phase 1 and any temporary structures of the proposed development on nesting skylarks (Priority Species) located to the east of phase 1.

Bats

- Further information is required to justify why further bat surveys are not required due to the submitted surveys being 3-4 years old in order for them to be still valid.

  To achieve this the MPA suggests that a qualified Ecologist walks the site to check that conditions for bats have not changed since the bat surveys were completed and provide the results to MPA.

- That the Landscape and Ecology Management Plan (LEMP) chapter 2.1 pre-works is edited to include pre-works checks for potential new bat roosts in trees prior to the commencement of each phase (such surveys are mentioned in the ES Ecology Chapter at (6.8.1 & 7.4.1).

Cotswold Water Park Sites of Special Scientific Interest (SSSI)

- Chapter 8-Ecology of the Submitted ES needs to be revised to reflect the location of the new current SSIS boundaries and assess any impacts upon them from the proposed development.

Cumulative impact

Highway

- Clarification on whether the potential extra road capacity generated by the proposed RAF Fairford developments and Blackbur Farm has been assessed in relation to the proposal and existing developments and if not further information is

required to take account of the cumulative traffic impacts of these existing and proposed developments.

Hydrology

- Clarification is required relating to the labelling of plans ‘Working phases plan – Phase 3A as it is repeated. Presumably the phase between 1 and 2B should be labelled 2A?

- Clarification on the status of the roadside waterbody adjacent to the site as it has been described as a drain and Meysey Brook' tributary.

- Clarification on whether the proposed development of RAF Fairford ie more built up areas reducing natural flow through grassed areas has been considered

Flood Risk Assessment (FRA)

A revised FRA together with detailed hydraulic flood modelling is required to be submitted.

The revised FRA should include the following information:

- a sufficiently robust assessment of the effects of the development final landform and phasing on flood storage, conveyance, connectivity and flood risk elsewhere by hydraulic flood modelling;
- Present a detailed topographic survey of the existing ground levels at the site;
- Surveys showing the existing site levels and detailed drawings showing the levels of the proposed development phases. Site levels need to be stated in relation to the Ordnance Datum (the height above average sea level).
- detail the proposed ground levels for the development in sufficient detail, in particular the proposed site access road;
- acknowledge the area of the site within Flood Zone 3b;
- demonstrate that there is no loss of floodplain storage volume, conveyance, connectivity or adverse effects on flood risk elsewhere as a result of the development phasing and restored condition;
- consider the requirement for flood emergency planning including flood warning and evacuation of people for a range of flooding events up to and including the extreme event; and
- consider the effects of climate change on fluvial flood risk.

Hydrological and Hydrogeological Impact Assessment - Further Details Required

- The Environment Agency records show several features in the boreholes, wells and springs database located around the site that have not been picked up in the local abstraction features and water features survey in the impact assessment report. The water features survey should therefore be reviewed and resubmitted.

- Clarification on the details provided in Table 19 of Hydrogeological Impact Assessment as the EA are of the opinion that it does not provide a satisfactory assessment of the potential quality or quantity impacts to water features in the vicinity (or indeed appear to relate to features picked up in Appendix 4 (Water features survey)).

- A water features risk screening and ranking would be useful as well as an indication of the water features monitoring plan for pre, during and post works.

- Information outlining the reasoning/rationale of the design of the baseline monitoring that has occurred of the water chemistry data obtained and their sensitivities in terms of water quality, from the proposal.

- Information on field data (including temperature, DO, EC, pH) for the local groundwater and surface waters, including the identified local water features (where possible to access). This data is essential for context and for a detailed long-term baseline assessment, and should be included in regular monitoring and evaluation.

- The groundwater contour maps (Figs 13 & 14) are not valid because they have been made from mixed datasets (showing (a) max. and (b) min. groundwater elevation recorded at each location) and are presented independent of the observation time.

  To address this the MPA requires these maps are reproduced to show contemporaneous groundwater elevation data plotted separately by aquifer units (where these units are not in hydraulic continuity) to identify the most vulnerable down gradient receptors.

Archaeology and Heritage

- Clarification on whether the proposed Silt Management Area has been excavated in the past.

- Archaeological information regarding the proposed mitigation for the Silt Management Area and the enabling works - drainage diversion channels, haul roads and Plant Area is required to be submitted as the proposed archaeological mitigation only refers to the extraction phases (1-9).

Landscape/restoration

- Information relating to the consideration of the proposed landscape restoration of the site against the adopted Mineral Local Plan Allocation 6. Policy DM 09 (Landscape).

- Further information to demonstrate that the proposed restoration of the sites design is;
  - sustainable,
  - achievable,
  - Possible sources of infill material to be used and its availability to be imported to the site when required.

Further information

The submission of any further information the applicant wishes to submit to the MPA to address any additional matters raised by consultees and contributor comments and or any further information the applicant feels appropriate to submit.

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Appendix 3 Site piezometer and BGS borehole records

BCL HYDRO
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West Midlands, WV10 9RU. Tel: 01902 824111, Fax: 01902 824112
email: info@bclhydro.co.uk, web: http://www.bclhydro.co.uk
Registered Office: 33, Wolverhampton Road, Cannock, West Midlands, WV11 1AP
Registered in England & Wales. Company Registration Number: 4043373

RECORD OF WELL

For Institute use only Licence No. NN.....

SU 19/70

SU19/70

252/229

252/229

At DAWN AMPNEY STW OBH

Town or Village DAWN AMPNEY

County WILTS

EXACT SITE OF WELL

Six-inch National Grid sheet and reference SU 1938 9583 SU19 NW

For TWA

State whether owner, tenant, builder, contractor, consultant, etc.: OWNER

Address (if different from above)

Level of ground surface above sea level (O.D.) ..... ft (..... m)

*DELETE AS NECESSARY

If well top is not at ground level state how far above:* below: ..... ft (..... m)

SHAFT ..... ft (..... m); diameter ..... ft (..... m);

HEADINGS (please attach details—dimensions and directions)

BORE 36 ft (110 m); diameter: at top 5 in (..... mm);

at bottom 4 in (..... mm)

Full details of permanent lining tubes (position, length, inner and outer diameters, plain slotted etc.):

0m TO 56m DIA 175 mm PLASTIC PLAIN

56 → 103 " 103 MM " SLOTTED

TEST CONDITIONS

Water struck at depths of ..... ft (..... m) below well top

Rest level of water 26 ft (..... m) above* below well top. Suction at ..... ft (..... m)

Yield on ..... hours'* days' test pumping at ..... galls per ..... (..... l/s) with

depression to ..... ft (..... m) below well top. Recovery to rest level in ..... mins* hours

Capacity of pump ..... g.p.h. (..... l/s)

Date of measurements 6.1.82

NORMAL CONDITIONS

DESCRIPTION OF PERMANENT PUMPING EQUIPMENT:

Make and/or type ..... Motive power .....

Capacity ..... galls (..... m³) per hour. Suction at ..... ft (..... m)

below well top. Amount pumped ..... galls (..... m³) per day. Estimated

consumption ..... galls (..... m³) per week

Well made by DRILLING & GEOSERVICES Date of sinking .....

ADDITIONAL NOTES ANALYSIS (please attach copy if available)

LOG OF STRATA OVERLEAF

AQUIFER GT. OOLITE

CLASSIFIED BY TWA

Received from MONKHOUSE .....

Date 24.2.82

Observation well .....

Recorder .....

ER log .....

Site marked on

1" map ..... (1) .....

6" map—Grid Sheet .. (1) .....

(usc symbol)

Copy to C & S MIDS .....

Date .....

INSTITUTE OF GEOLOGICAL SCIENCES
HYDROGEOLOGY UNIT
EXHIBITION ROAD
LONDON SW7 2DE

IGS 2494 10 000 7/79

BOREHOLE DATA SHEET

MARSTON MEYSEY	B.G.S. No. [redacted]/91	T.W.A. No. SU 19/69A
N.G.R. SU 1297 9756	S.L. 83.6 mO.D. T.D. 168 m	Date 1982

Logs available:

Core ☐	Gamma ✓	S.P. ✓	16" N.R. ✓	64" N.R. ✓
Point Res. ✓	Caliper ☐	Other:		

Casing details:

Type	Diam. mm	From m B.G.L.	To m B.G.L.
Plain steel	150	0	144
Plastic slotted	100	144	168

Formations

	Depth to basem	Thickness m	Notes
Drift	2.0	2.0	2nd terrace deposits
OxC	41.3	39.3	MOxC to 10m, LOxC to 41.3
KIS	50.7	9.4	Depths from gamma-log.
KIC	54.0	3.3	
Cb	58.8	4.8	
FMb clay	71.2	12.4	
FMbL	82.6	11.4	
WhL/AO	101.7	19.1	
HMB	104.3	2.6	
Ty	115.0	10.7	
TSF	NP		
LFE	134.6	19.6	
CG	142.5	7.9	
UTG	146.4	3.9	
LInO	159.1	12.7	
ULi	168.0	8.9	

NP Not present

MGSmith

RECORD OF WELL

For Institute use only Licence No.

SU 19/58 B

N .....

252 /214 B

At Meysey Hampton OBH

Town or Village Meysey Hampton

County Gloucestershire

EXACT SITE OF WELL

Six-inch National Grid sheet and reference SU 1179 9903

For Thames Water Authority.

State whether owner, tenant, builder, contractor, consultant, etc.: owner

Address (if different from above)

Level of ground surface above sea level (O.D.) ..... ft (c. 86) m)

*DELETE AS NECESSARY

If well top is not at ground level state how far above:* below: ..... ft (..... m)

SHAFT..... ft (..... m); diameter..... ft (..... m);

HEADINGS (please attach details—dimensions and directions)

BORE..... ft (126.5 m); diameter: at top..... in (200 mm);

at bottom..... in (..... mm)

Full details of permanent lining tubes (position, length, inner and outer diameters, plain slotted etc.):

91.0m x 200 mm plain from surface

TEST CONDITIONS

Water struck at depths of ..... ft (..... m) below well top

Rest level of water..... ft (o/f m) above* below well top. Suction at..... ft (..... m)

Yield on..... hours'* days' test pumping at..... galls per ..... (..... l/s) with

depression to..... ft (..... m) below well top. Recovery to rest level in ..... mins* hours

Capacity of pump..... g.p.h. (..... l/s)

Date of measurements.....

NORMAL CONDITIONS

DESCRIPTION OF PERMANENT PUMPING EQUIPMENT:

Make and/or type ..... Motive power.....

Capacity..... galls (..... m³) per hour. Suction at ..... ft (..... m)

below well top. Amount pumped..... galls (..... m³) per day. Estimated

consumption ..... galls (..... m³) per week

Well made by Stow ..... Date of sinking.....

ADDITIONAL NOTES ANALYSIS (please attach copy if available)

LOG OF STRATA OVERLEAF

Observation borehole in the Inferior Oolite.

Received from TWA

.....

.....

Date 13.9.74

Observation well.....

Recorder .....

ER log .....

Site marked on

1" map .....

6" map—Grid Sheet.....

(use symbol)

Copy to .....

.....

Date .....

INSTITUTE OF GEOLOGICAL SCIENCES
HYDROGEOLOGY UNIT
EXHIBITION ROAD
LONDON SW7 2DE

IGS 2494 10 000 7/79

For Institute use only

GEOLOGICAL CLASSIFICATION	NATURE OF STRATA *If measurements start below ground surface, state how far.*	THICKNESS Feet	Inches	Metres	DEPTH Feet	Inches	Metres
	Kellaways Clay (Oxfordian)			7.3			7.3
	Great Oolite Series			70.5			77.8
	Fullers' Earth Clay			12.2			90.0
	Inferior Oolite			33.3			123.3
	Upper Lias			3.2			126.5

Institute of Geological Sciences
RECORD OF SHAFT OR BOREHOLE

6-in or 1:10 000 Map: SU 19 NW /96

Name and Number of Shaft or Borehole: SOUTH AMPNEY 2 (SA2)

National Grid Reference: 11802 96403

For whom made: BGS Fluid Process Unit

Town or Village: _____ County: _____

1-in or 1:50 000 New Series Map No: 252

Enter 'C' if Confidential:

Exact site (reference to a fixed point on 1-in or 1:50 000 Map)

Purpose for which made: Piezometer

Ground level at shaft/bore relative to OD _____ m. If not ground level give OD of beginning of shaft/bore _____ m.

Made by: Drill/Core Date of sinking: Feb. 1988

Information from: Core Examined by: K. Ambrose and A. Horton

	base	thickness	Specimen Numbers and Additional Notes
MOxC	28.23		
LOxC	67.60	39.37	Acritarchs base c 41.5. 18.7m below top LOxC 26.0 / 26.3 above base LOxC
KIS	est. c 77.7	c 10.1	
KIC	81.25	c 3.55	
Cb	86.39m	5.14	
FMb		3.44	

Geological Classification	Description of Strata	Thickness metres	Depth metres
	30cm run of Core above 7.66m		
	exact position not known		
Middle Oxford Clay	Mudstone, pale grey, slightly silty, proudly fissile a few silty; shelly fragments Ammonite at 8cm; a few pyritic traces; a few clinic surfaces;	0.30	
	CORE FROM 7.66 m		
	Mudstone, pale grey, silty, hard and indurated, a few fossils, scattered shell frags, scattered pyritic traces; Ammonite		
	7.67m 5cm to	0.04	7.70
	SAMPLES PF/46)	0.40	8.10
	PR/46)	0.10	8.20
	MP/46)	0.10	8.30
	Mudstone, pale grey, silty, with smooth partings, small pyritic traits Common,		

BOREHOLE DATA SHEET

CRICKLADE STW	B.G.S. No. SU 19 SW/17	T.W.A. No. SU 19/74	
N.G.R. SU 1055 9394	S.L. c 94 mO.D.	T.D. 140.3 m	Date 1984

Logs available:

Core ☐	Gamma ☑	S.P. ☐	16" N.R. ☑	64" N.R. ☑
Point Res. ☐	Caliper ☐	Other: Guard Resistivity; Chipping (VKR)		

Casing details:

Type	Diam. mm	From m B.G.L.	To m B.G.L.

Formations

	Depth to base m	Thickness m	Notes
Drift	5.5	5.5	Silt clay Alluvium
OxC	47.2	41.7	MOxC to c 14.6; LOxC to 47.2
KIS	59.0	11.8	
KIC	63.0	4.0	
Cb	68.8	5.8	
FMb clay	74.6	5.8	
FMbL	88.6	14.0	
WhL/AO	113.4	24.8	WSi to 96.0; WAr to 104.0, WSh to 113.4
HMB	120.4	7.0	HMB thickened at expense of upper part
Ty	125.7	5.3	1 Ty equivalent seems in Mayes thin section.
TSF	NP		
LFE	140.3	14.6	
CG			
UTG			Depths from gamma-log
LInO			
ULi			

NP Not present

VKR: Chipping examined by V K Robinson of Thames W.A.

CASTLE HILL FM AIRFIELD

SU 19 /41C

Owner CO-OP	Licence No.	Nat. Grid Ref. 1113 9711	
Occupier	IGS Ref. No.	Status	
Ground Level c 78 m OD ft. OD		Aquifer SU 19 NW/93	
Level of Well Top m OD ft. OD			
Rest Water Level m bwt ft. bwt			
(Date) m OD ft. OD			
Construction			

Depth bwt	Dia.	Linings (below well top) From	To	Dia.	Type

Summary of Geological Section	Thickness	Depth
OXFORD CLAY	81·5	81·5
CORNBRASH	10·0	91·5
FOREST MARBLE CLAY		

Abstraction Rates
gph
gpd

Type of Pump
Chem./Bact. Anal. YES NO
Well Driller RUSHGROVE

Insufficient space has been allowed, continue in 'Notes' overleaf.

SU 09 NE/26

SU 09 NE/182

Detail of Strata in No. 4 Borehole, Down Ampney

Presumed Geological Classification	Nature of Strata	Thickness metres	Thickness ft	Depths metres	Depths ft
Oxford Clay	Top Soil	0·91	3'	0-0·91	0 - 3'
	Sand and Gravel	2·14	7'	0·91 - 3·05	3' - 10'
	Silty clay with sand & Gravel	3·05	10'	3·05 - 6·10	10' - 20'
Ox Clay & Kellaways Beds	Dark Grey/Brown Clay ~From surface	12·19	40'	6·10 - 18·29	20' - 60'
Ox Clay	Ditto, large pebble of dark grey ? limestone with veins of calcite	1·52	5'	18·29 - 19·81	60' - 65'?
Kellaways Beds	Darker grey brown clay (Sandy)	1·53	5'	19·81 - 21·34	65' - 70'
	Dark grey clay (hard)	4·57	15'	21·34 - 25·91	70' - 85'
	Ditto	8·23	27'	25·91 - 34·14	85' - 112'
Cornbrash and Forest Marble	Dark grey silty clay with thin bands of limestone	0·61	2'	34·14 - 34·75	112' - 114'
F.M. (Wychwood Beds & Bradford Beds)	Ditto with lump of soft dirty white limestone	2·74	9'	34·75 - 37·49	114' - 123'
	Dark brown silty clay with broken shells	0·61	2'	37·49 - 38·10	123' - 125'
	Dirty white soft limestone and clays	1·52	5'	38·10 - 39·62	125' - 130'
	Grey green marly clay with thin beds of limestone	15·24	50'	39·62 - 54·86	130' - 180'
Great Oolites F.M.	Hard Grey Rock	1·53	5'	54·86 - 56·39	180' - 185'
Kemble Beds	Grey silty clay	1·52	5'	56·39 - 57·91	185' - 190'
	Very dark fine silty clay with pieces of dark grey limestone with viens of calcite	2·44	8'	57·91 - 60·35	190' - 198'
to 212' 64·62m	Dark grey soft limestone and silts	4·27	14'	60·35 - 64·62	198' - 212'
	Dirty grey soft limestone	5·18	17'	64·62 - 67·80	212' - 229'
	Hard dirty white limestone	0·30	1'	67·80 - 70·10	229' - 230'
	Dirty white silty limestone	1·53	5'	70·10 - 71·63	230' - 235'
? Kemble	Very dark earthy clay	3·05	10'	71·63 - 74·68	235' - 245'

MG Kemble 1986

K.J.W. 22.2.77

Tentative eforaⁿ. from examination of percussion samples:

Oxford Clay (+ ? Kellaways Beds)	to 112ft.	34·14m
? Cornbrash & Forest Marble	to 212ft.	64·62m
Great Oolite Lst. (? Kemble Beds)	to 245ft.	74·68m

Agreed 9/60 EUP 166

BOREHOLE DATA SHEET

POULTON HILL FARM	B.G.S. No. SU 09 NE/34 [redacted]		T.W.A. No. SU09/131	
N.G.R. SU 0940 9853	S.L. c 88 mO.D.	T.D. 64 m	Date 1977	

Logs available:

Core ☐	Gamma ☐	S.P. ☐	16" N.R. ☑	64" N.R. ☐
Point Res. ☑	Caliper ☐	Other: Driller's log		

Casing details:

Type	Diam. mm	From m B.G.L.	To m B.G.L.
Plain	250	0	23.6
Plain	204	23.6	50.9
Slotted	204	50.9	57.0

Formations

	Depth to basem	Thickness m	Notes
Drift	2.1	2.1	Alluvium - depth from driller's log
OxC	23.2	21.1	depth from driller's log
KIS	32.6	9.4	Depths from geophysical
KIC	37.5	4.9	logs
Cb	41.9	4.4	
FMb clay	? 49.0	7.1	
FMbL	64.0	15.0	TD recorded as 58.2 on
WhL/AO			driller's log ; geophysics
HMB			evidence c 52 m ; 64 m recording
Ty			& TWA summary log.
TSF			
LFE			
CG			
UTG			
LlnO			
ULi			

NP Not present

MGSmith 1986

16-06 '94 14:27 FAX 0734 596755 NRA(TR).RBH6.CC 002/002

GRANGE FRM

SU 19/77

Owner		Licence No.	
Occupier		IGS Ref. No.	
Ground Level	m OD	ft. OD	
Level of Well Top	m OD	ft. OD	
Rest Water Level	0.46 m bwt	ft. bwt	
(Date)	m OD	ft. OD	
Construction	T8/00/WE/WL		

Depth bwt	Dia.	Linings (below well top) From	To	Dia.	Type
104 M		0	102 M	150 mm	pl + slot

Abstraction Rates gph gpd

Type of Pump

Chem./Bact. Anal. YES NO

Well Driller

If insufficient space has been allowed, continue in 'Notes' overleaf.

Nat. Grid Ref. SU 1297 9449

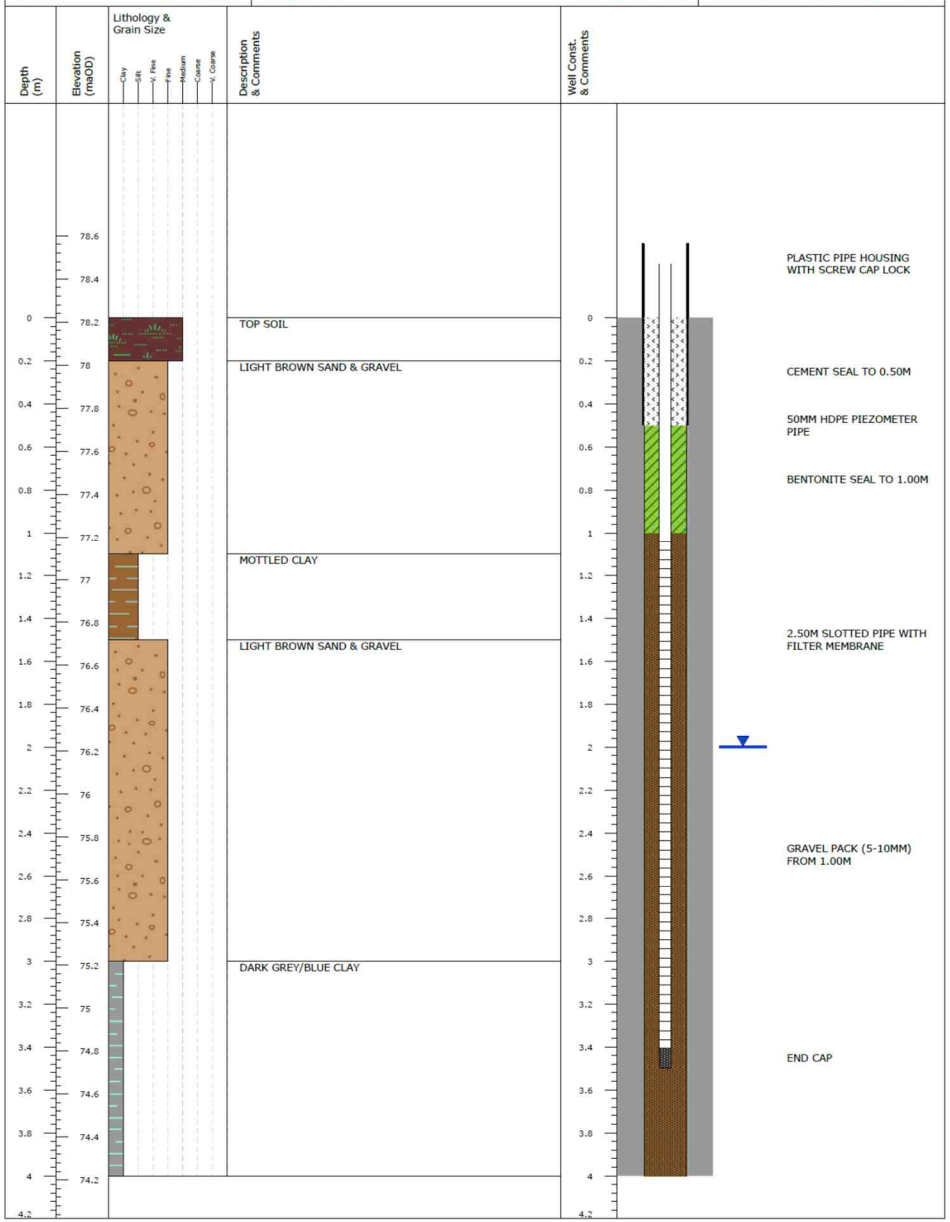
Status Dom

Aquifer Grt Oolite

Summary of Geological Section	Thickness	Depth
OXFORD CLAY	46	46
FOREST MARBLE CLAY	8	54
FOREST MARBLE LMST	7	61
GT. OOLITE LST	43	104

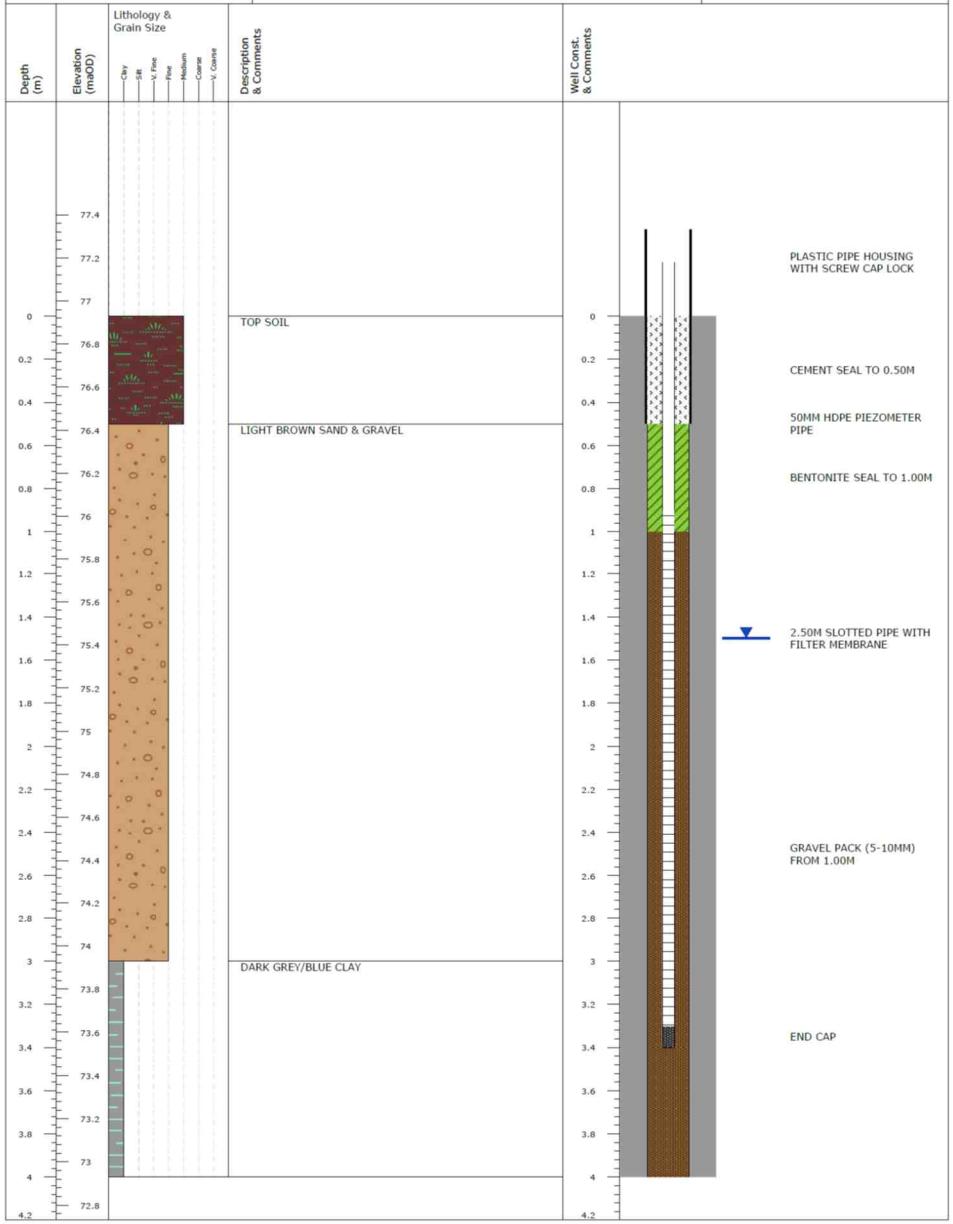
BCL Consultant Hydrogeologists Limited

Project:	Welcome Trust	Hole No:	P1_18
Site:	Airfield Quarry	Sheet:	1 of 1
Job No:	BCL/PI/0219/001	Eastings:	412393
Logged By:	Gavinder Meetca	Northings:	196626
Drill Rig:	B40	Inc/Ori:	90 / 0
Drilling Started:	24 September 2018	Depth (m):	4
Drilling Finished:	25 September 2018	Security Cover Elevation (maOD):	78.56
Contractor:	Hughes Drilling		
Driller:	M. O'Sullivan		



BCL Consultant Hydrogeologists Limited

Project:	Welcome Trust	Hole No:	P2_18
Site:	Airfield Quarry	Sheet:	1 of 1
Job No:	BCL/PI/0219/001	Eastings:	412540
Logged By:	Gavinder Meetca	Northings:	196301
Drill Rig:	B40	Inc/Ori:	90 / 0
Drilling Started:	24 September 2018	Depth (m):	4
Drilling Finished:	25 September 2018	Security Cover Elevation (maOD):	77.33
Contractor:	Hughes Drilling		
Driller:	M. O'Sullivan		



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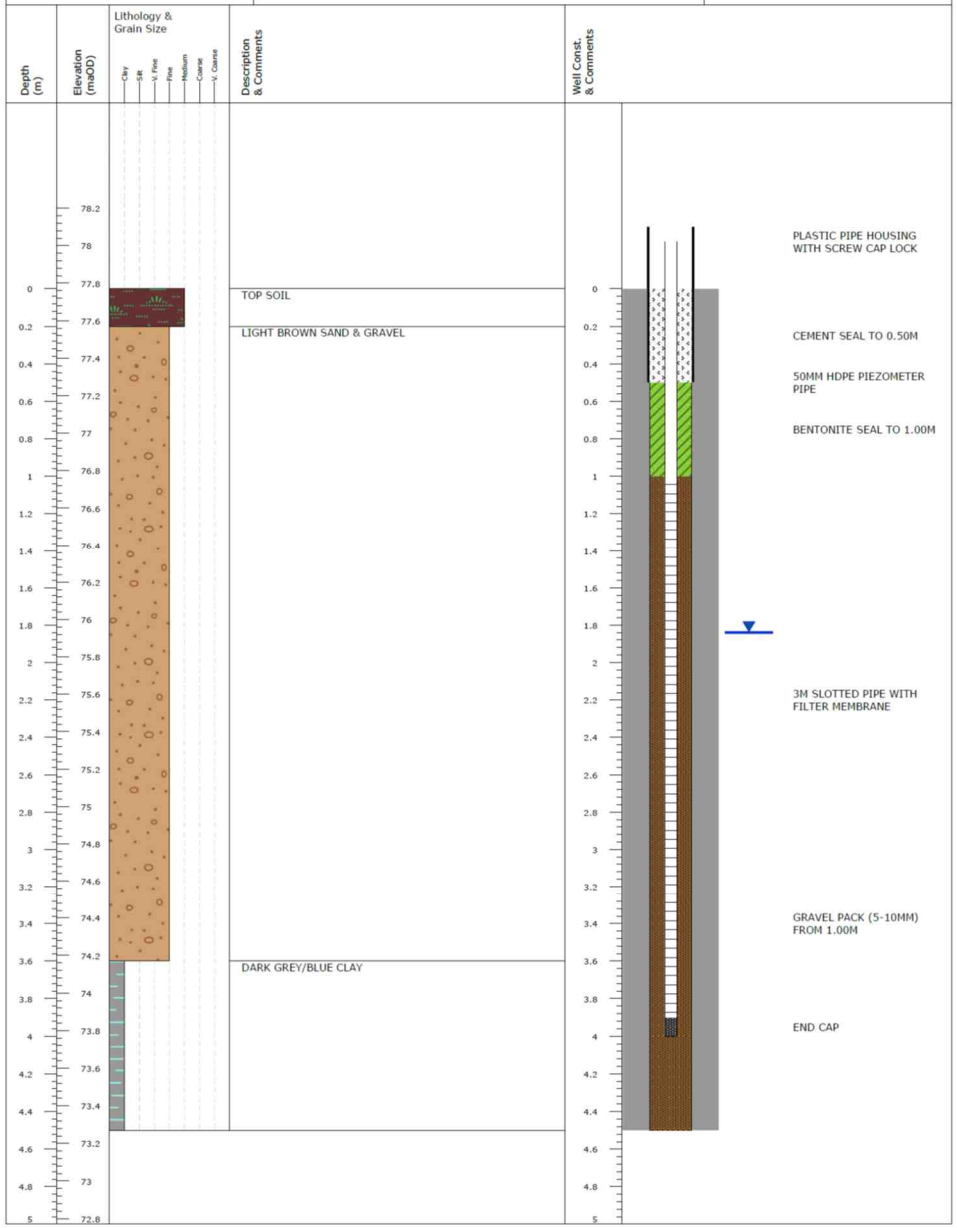
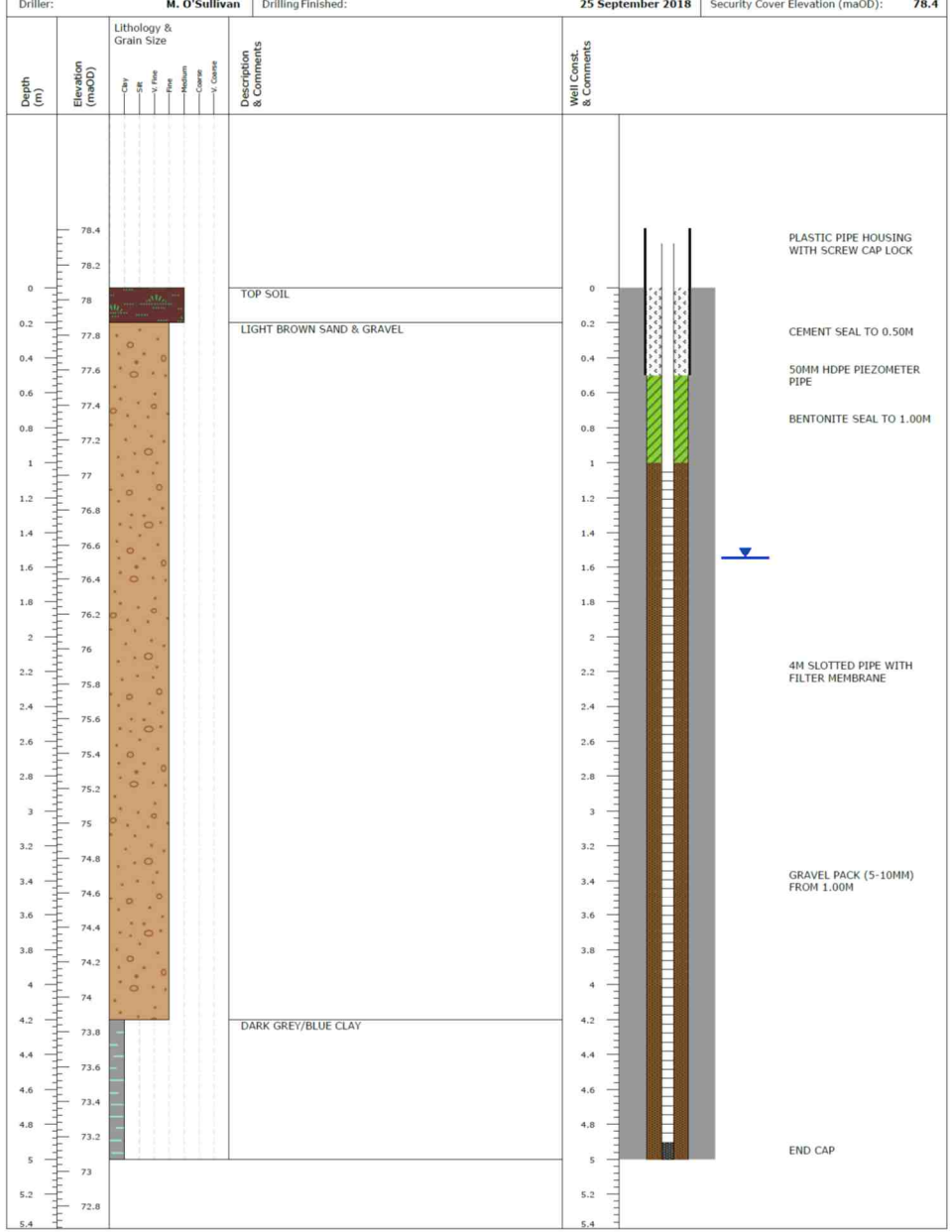
Project:	Welcome Trust	Hole No:	P3_18
Site:	Airfield Quarry	Sheet:	1 of 1
Job No:	BCL/PI/0219/001	Eastings:	411812
Logged By:	Gavinder Meetca	Northings:	195944
Drill Rig:	B40	Inc/Ori:	90 / 0
Drilling Started:	24 September 2018	Depth (m):	4.5
Drilling Finished:	25 September 2018	Security Cover Elevation (maOD):	78.1
Contractor:	Hughes Drilling		
Driller:	M. O'Sullivan		



BCL Consultant Hydrogeologists Limited

Project:	Welcome Trust	Hole No:	P4_18
Site:	Airfield Quarry	Sheet:	1 of 1
Job No:	BCL/PI/0219/001	Eastings:	411424
Logged By:	Gavinder Meetca	Northings:	195646
Drill Rig:	B40	Inc/Ori:	90 / 0
Drilling Started:	24 September 2018	Depth (m):	5
Drilling Finished:	25 September 2018	Security Cover Elevation (maOD):	78.4
Contractor:	Hughes Drilling		
Driller:	M. O'Sullivan		



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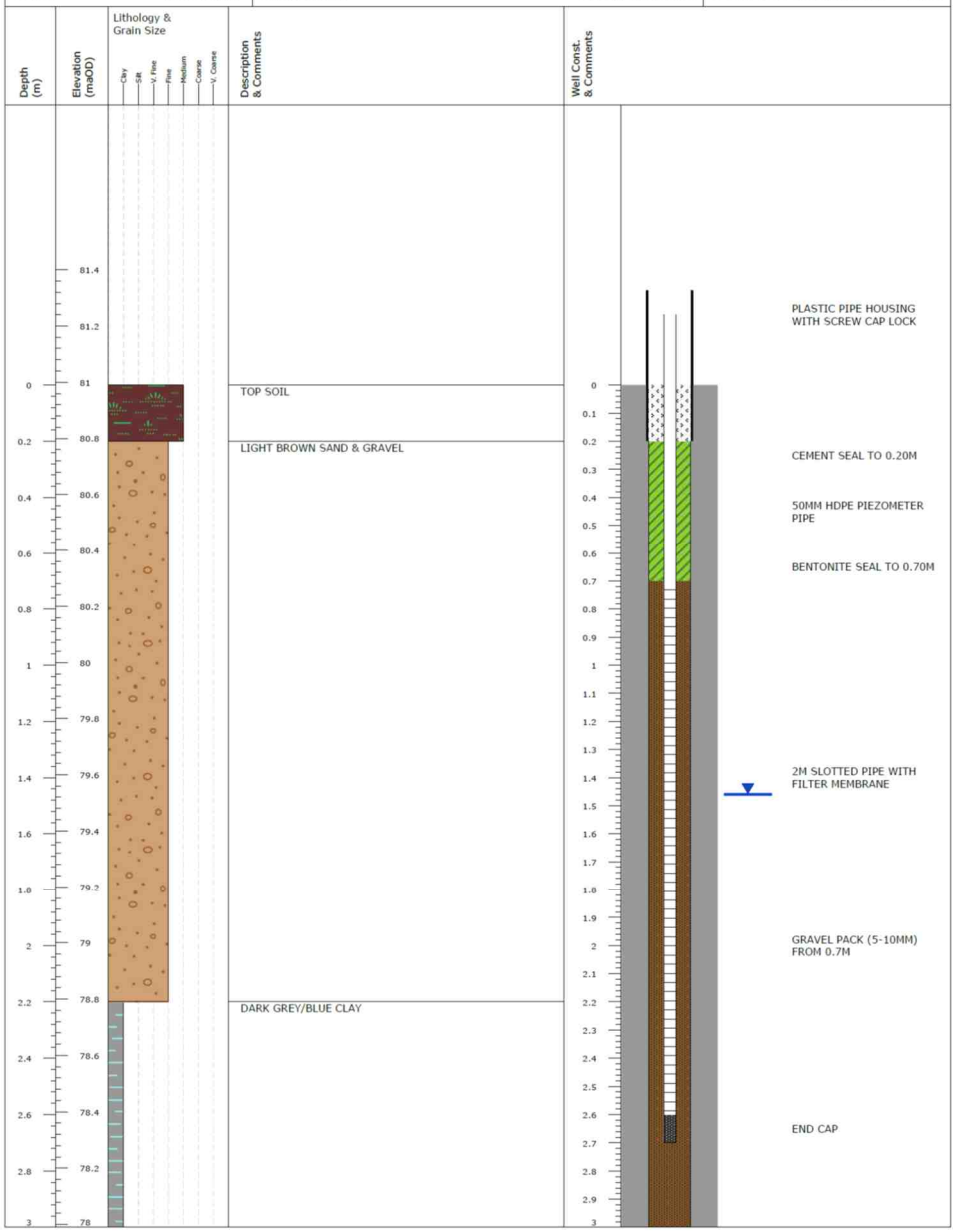
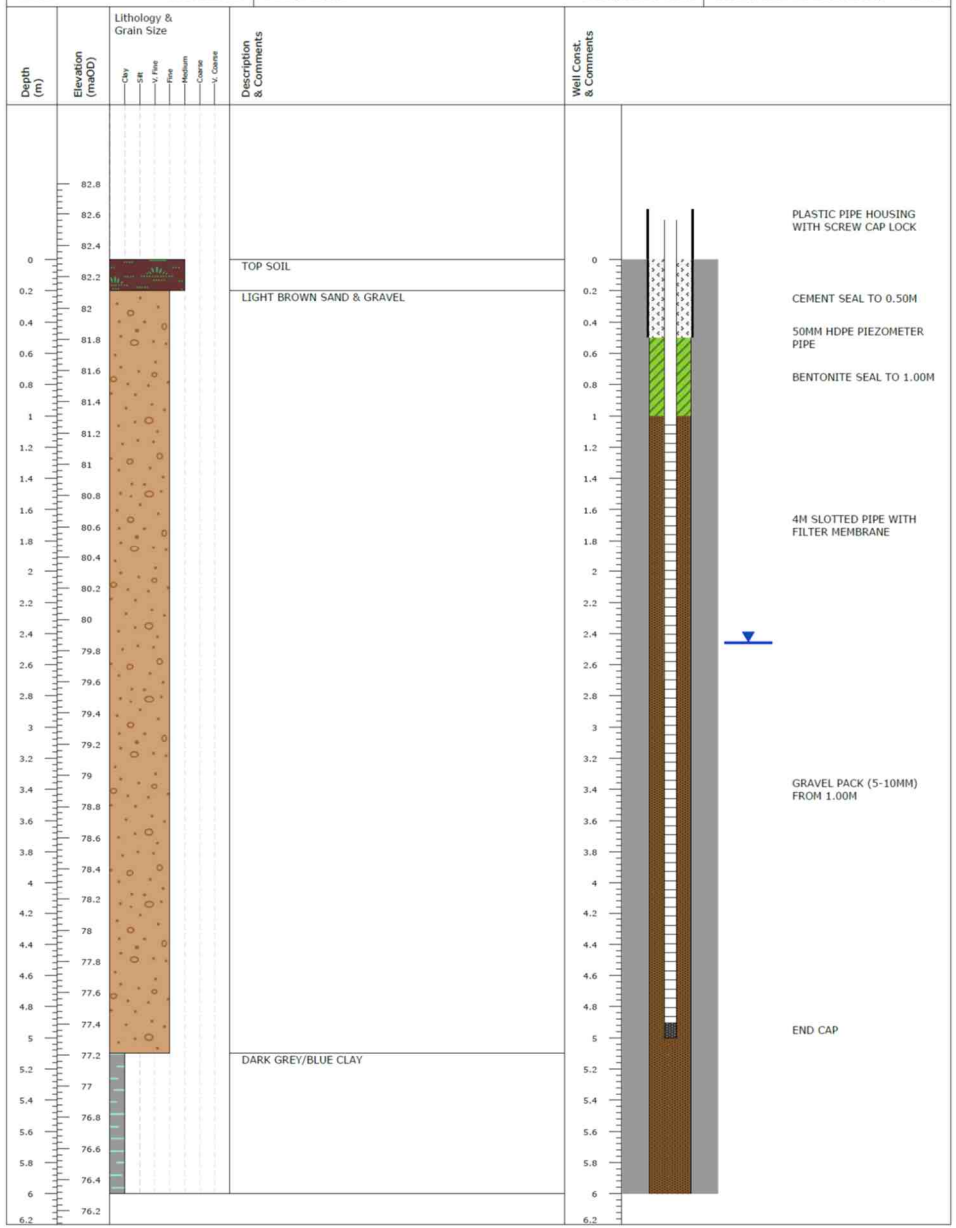
Project:	Welcome Trust	Hole No:	P5_18
Site:	Airfield Quarry	Sheet:	1 of 1
Job No:	BCL/PI/0219/001	Eastings:	410790
Logged By:	Gavinder Meetca	Northings:	195709
Drill Rig:	B40	Inc/Ori:	90 / 0
Drilling Started:	24 September 2018	Depth (m):	3
Drilling Finished:	25 September 2018	Security Cover Elevation (maOD):	81.33
Contractor:	Hughes Drilling		
Driller:	M. O'Sullivan		



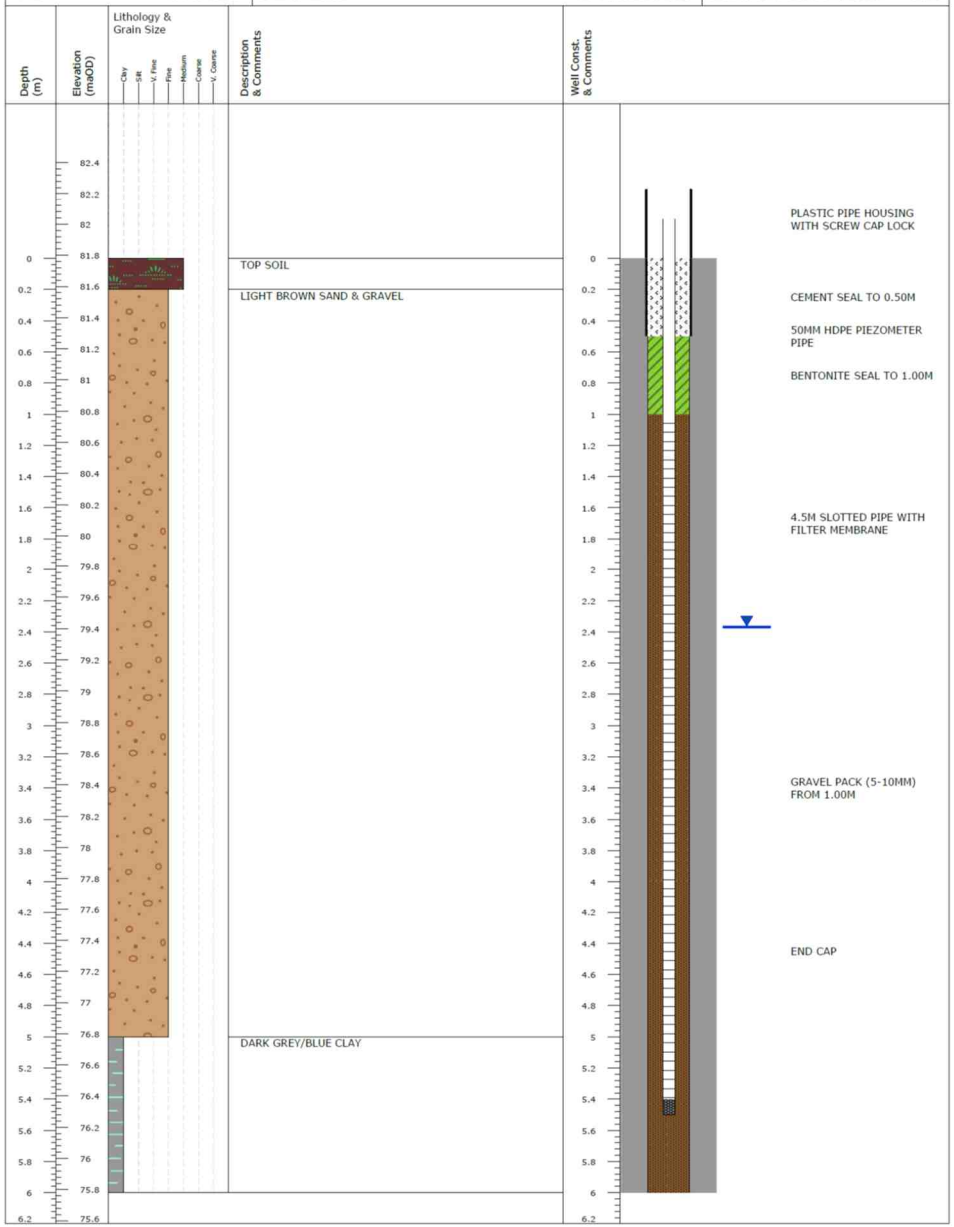
BCL Consultant Hydrogeologists Limited

Project:	Welcome Trust	Hole No:	P6_18
Site:	Airfield Quarry	Sheet:	1 of 1
Job No:	BCL/PI/0219/001	Eastings:	410646
Logged By:	Gavinder Meetca	Northings:	196432
Drill Rig:	B40	Inc/Ori:	90 / 0
Drilling Started:	24 September 2018	Depth (m):	6
Drilling Finished:	25 September 2018	Security Cover Elevation (maOD):	82.63
Contractor:	Hughes Drilling		
Driller:	M. O'Sullivan		



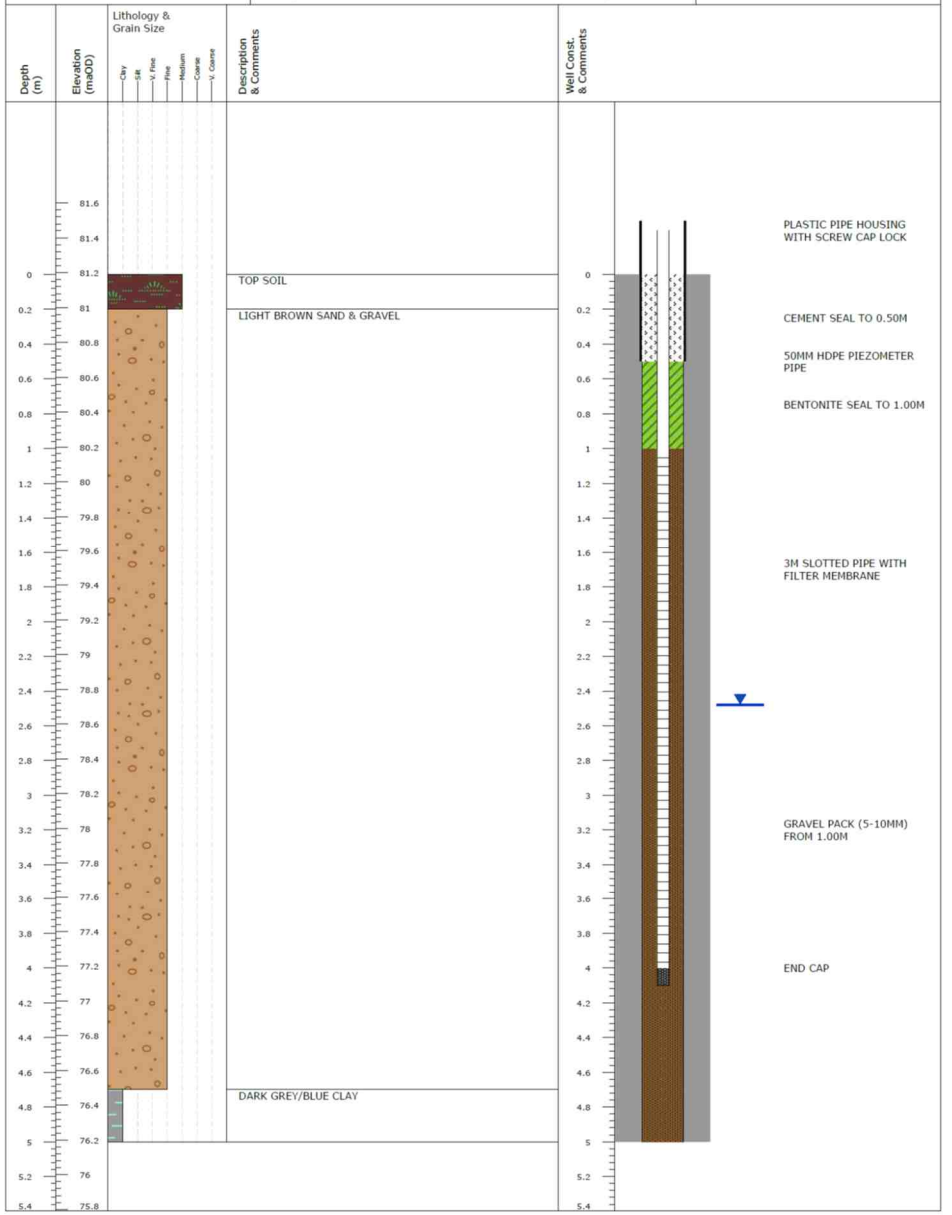
BCL Consultant Hydrogeologists Limited

Project:	Welcome Trust	Hole No:	P7_18
Site:	Airfield Quarry	Sheet:	1 of 1
Job No:	BCL/PI/0219/001	Eastings:	410920
Logged By:	Gavinder Meetca	Northings:	197033
Drill Rig:	B40	Inc/Ori:	90 / 0
Drilling Started:	24 September 2018	Depth (m):	6
Drilling Finished:	25 September 2018	Security Cover Elevation (maOD):	82.23
Contractor:	Hughes Drilling		
Driller:	M. O'Sullivan		



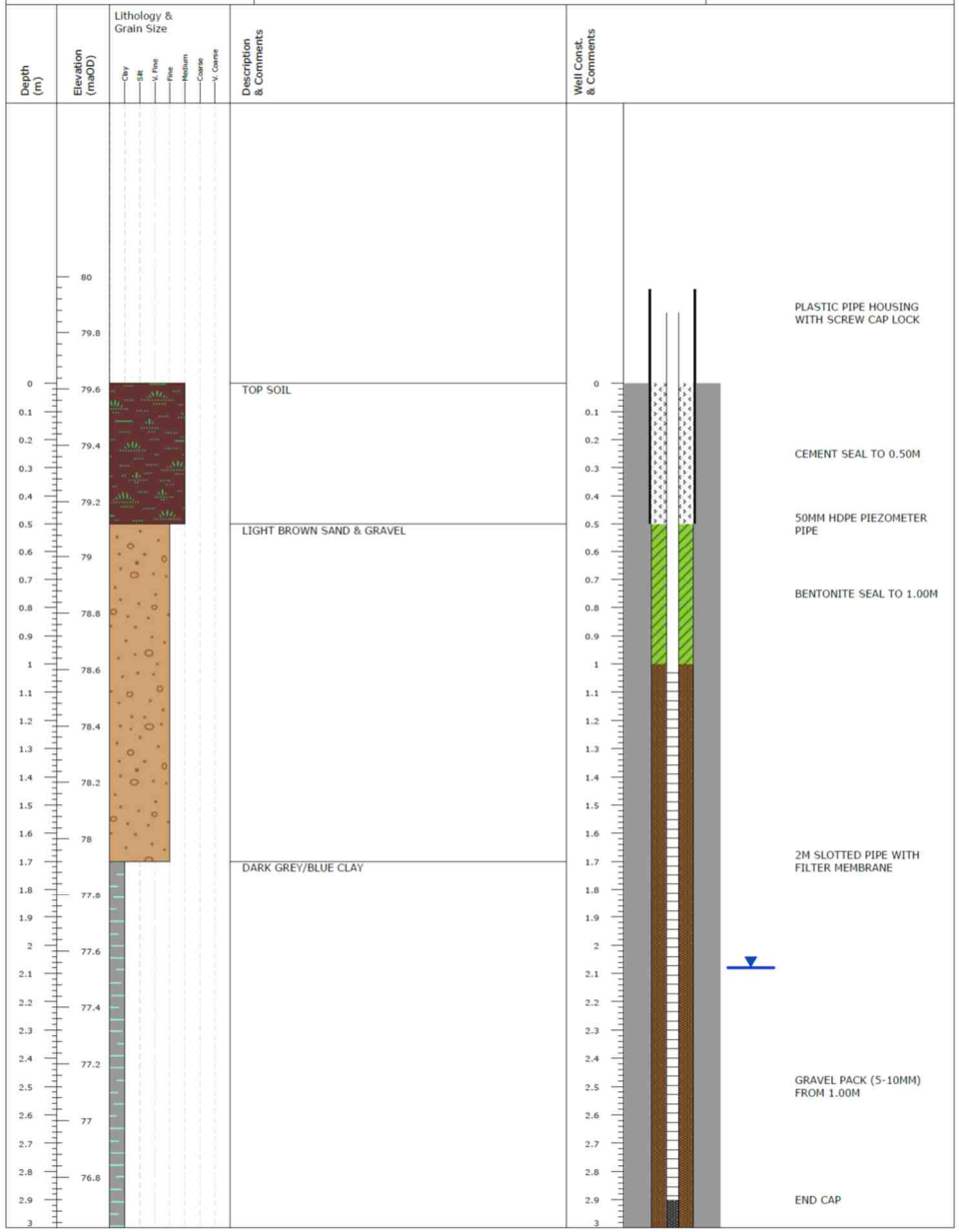
BCL Consultant Hydrogeologists Limited

Project:	Welcome Trust	Hole No:	P8_19
Site:	Airfield Quarry	Sheet:	1 of 1
Job No:	BCL/PI/0219/001	Eastings:	411253
Logged By:	Gavinder Meetca	Northings:	197089
Drill Rig:	B40	Inc/Ori:	90 / 0
Drilling Started:	24 September 2018	Depth (m):	5
Drilling Finished:	25 September 2018	Security Cover Elevation (maOD):	81.5
Contractor:	Hughes Drilling		
Driller:	M. O'Sullivan		



BCL Consultant Hydrogeologists Limited

Project:	Welcome Trust	Hole No:	P9_18
Site:	Airfield Quarry	Sheet:	1 of 1
Job No:	BCL/PI/0219/001	Eastings:	411741
Logged By:	Gavinder Meetca	Northings:	196990
Drill Rig:	B40	Inc/Ori:	90 / 0
Contractor:	Hughes Drilling	Depth (m):	3
Driller:	M. O'Sullivan	Drilling Started:	24 September 2018
Security Cover Elevation (maOD):	79.95	Drilling Finished:	25 September 2018



Hills Quarry Products Limited

Airfield Quarry

Gally Leaze, Gloucestershire

Proposed sand and gravel extraction and restoration

Hydrogeological Risk Assessment

Final Report
April 2022

Appendix 4 Hydraulic testing of monitoring points

BCL HYDRO
BCL Consultant Hydrogeologists Limited

Technology Centre, Wolverhampton Science Park, Glashier Drive, Wolverhampton
West Midlands, WV10 9RU. Tel: 01902 824111, Fax: 01902 824112
email: info@bclhydro.co.uk, web: http://www.bclhydro.co.uk
Registered Office: 33, Wolverhampton Road, Cannock, West Midlands, WV11 1AP
Registered in England & Wales. Company Registration Number: 4043373

AIRFIELD QUARRY - WATER FEATURES SURVEY

Conducted by P Burfitt and G Meetca. 24th/25th September 2018.

X	Y	Point	Description
410939	195306	1:D	Ditch: 2 m wide and 1 m deep on northern side of road (main drainage channel under road). Dry.
411203	195531	2:P	Pond: Ampney Pits LWS. Main pond 30 m x 70 m at eastern end of site, surrounded by woodland. Water is very cloudy green and stagnant. All ponds SE are dry (no standing water).
410266	195692	3:S	Ampney Brook (main channel): 4 m wide, water is around 10 cm deep, 1 m/sec surface flow velocity.
409656	196044	4:S	Footpath at Church Farm. Stream is 3 m wide, mostly dry - some small puddles but no flow.
409803	196158	5:S	Ampney Brook (main channel): 6 m wide, water is 0.3 m deep in standing section, 0.15 m deep in flowing section. Flow of up to 1 m/sec.
412033	196799	6:S	Drainage: no flow of water, some small puddles, 1.5 m deep.
412148	196473	7:D	Ditch: no flow of water, some small puddles, 1.5 m deep.
408982	195319	8:S	Former Canal route: 2 m wide, water up to 20 cm deep, GB reading = 0.16 m. Flow estimated at 5 l/s.
408926	195183	9:S	Stream: 1 m wide, water up to 15 cm deep. Flow estimated at 0.5 l/s flowing south.
408780	195371	10:S	Stream: 1 m wide, water up to 15 cm deep, <0.1 l/s flow at bridge crossing
408674	194927	11:S	River Churn (note - flow split between former canal [8:S] and this channel): 5 m wide, water up to 40 cm deep. Flowing east at approx 10 l/s
409735	194779	12:P	Pooled water: Under bridge, 10 m wide, water around 0.5m deep, unable to view full extent.
409448	197305	13:S	Stream: 2 m wide, water up to 20 cm deep, 0.5 l/s.
409307	197308	14:S	Stream: 3 m wide, water is 25 cm deep, little to no flow.
409639	197584	15:S	Ampney Brook: 4-5 m wide, water is 40-50 cm deep, Approx 5 l/s flow towards the south.
409469	198098	16:D	Ditch: 1.5 m deep, 0.5-1 m wide. Water is 5-10 cm deep and covered with vegetation along course. Very low flow (<0.1 l/s). Ditch becomes dry 50m north on eastern side of bridleway.
409367	198435	17:S	Channel: 1.5 m wide, 1.5 - 2 m deep. Completely dry and bed is not boggy
410244	197077	18:S	Channel: 3-5 m wide, 2 m deep compared to GL. Mostly dry with some small (<50cm) puddles with <5 cm of water in them. Some vegetation has begun growing in the bed.
410952	197650	19:D	Ditch: 0.5 m deep, 0.5 m wide. Dry on southern side of Duke's Field and also dry on eastern side of road next to culvert.
413221	197037	20:S	Stream: 0.5 -1 m wide, 2 m below GL, 5-15 cm of water, 0.2l/s flow. Drainage ditch alongside bridleway is dry (50 cm wide, 1 m deep).
413768	197006	21:P	Pond: 50 m x 50 m. Dry - ground is very boggy with no standing water.
412716	196691	22:D	Ditch: 1 m deep, 1 m wide. Dry on both sides of bridleway.
412212	196001	23:S	Stream: 2 m wide. Water is 10-15 cm deep, low flow of around 4 l/s
411330	198950	24:S	Stream: 1.5 m - 2 m wide. Water is around 10-15 cm deep. Very low flow (<0.1 l/s)
411718	198686	25:D	Ditch: 1 m wide, 50 cm deep. Dry. Ditch alongside field boundary also dry
411712	198406	26:D	Ditch: 1 m wide, 50 cm deep. Dry.
411594	198382	27:S	Stream: Joining main channel from west. 1.5 m wide, 0.4 m deep. Dry. Bed is not boggy and is filled with dead leaves.
410716	194813	28:P	Lagoon: Manmade and lined water circulation lagoons - Eysey Manor Quarry.
410085	194342	29:S	River Churn: 5 m wide, water around 0.5m deep. Flowing southeast at approx 10 l/s.
411059	194469	30:S	Ampney Brook: Approx. 5m wide, water is 0.5m deep, Approx 10l/s flow towards the south.
411210	194055	31:S	River Thames: Approx. 8m wide, water around 1m depth(around 1m below adjacent bank level). V slow movement to the east.
411478	194526	32:S	Former canal: Dry in base of feature and in drainage running adjacent to north and south (approx 1.5mbgl).
412227	195350	33:S	Former canal: standing water present in base of canal at bridge. No visible flow and around 0.25m deep.
412358	195872	34:S	Channel: Maintained drainage channel some 2m deep and 3m wide. Water level around 0.25m in base. No visible flow.
413087	195515	35:S	River Thames: Approx. 8m wide, water around 1m depth(around 2m below adjacent bank level). No visible movement. Pond shown adjacent to river on OS - dry.
412386	196214	36:S	Drainage: Approx. 2m wide running past Whetstone Quarry - standing water in base of feature.
412087	196065	37:S	Channel: Approx 4m wide and 1.5m deep. Water level around 0.25m and flow around 4l/s. Main channel conveying water south from eastern section of Airfield site.
411414	195637	38:S	Drainage: Approx. 1m and 1m deep, wide running southeast from main road. Dry.
412748	197885	39:S	Marston Meysey Brook: Approx 3m wide and 1.5m deep. Water level around 0.15m and flow around 8l/s. Eastern channel of upstream Marston Meysey Brook.
412479	197103	40:S	Marston Meysey Brook: Approx 3m wide and 1m deep. Water level around 0.15m and flow around 12.5l/s.
410499	197488	41:P	Pond: Shown on OS but no longer visible/in existence on ground.
410473	197608	42:P	Pond: Approx 10x20m. Water level around 1mbgl.
410645	197771	43:S	Spring: Shown on OS. No visible flow at time of survey. Dry.
411786	197486	44:P	Pond: Concrete lined reservoir. Looks to be lined but no access.
412697	196927	45:P	Pond: Approx. 5mx30m. Water level around 1m below ground level, formed on flat area adjacent to Marston Meysey Brook.
412879	196405	46:P	Pond: Series of ponds restored within Roundhouse Quarry. No access but water level around 2m below adjacent ground level.
412796	196464	47:W	Well: shown on OS. No access at time of survey but also not visible at point marked on map. Property located immediately adjacent to Roundhouse and expected to have been affected by that if still in existence.
411070	195178	48:P	Pond: Waterbody formed within part restored area at Eysey Manor Quarry. Water level around 2m below adjacent ground level, 1m above base of deposit.
410754	197158	49:D	Drainage: Manmade deep channel (around 2m), draining towards Down Ampney village. 0.15m water in base and no visible flow.
409278	195577	50:P	Pond: Waterbodies in Latton village. Houses built around flanks. Waterlevel estimated as 1.5m below adjacent ground level.

X	Y	Point	Description
413000	196250	Roundhouse Farm	Roundhouse Farm Quarry – former quarry restored to a series of groundwater fed ponds. Water level around 1.5m below surrounding ground level.
412500	196000	Whetstone Quarry	Whetstone Quarry – Current quarry operations. Most northwestern are has been worked and is currently left as an unlined flooded void. Water level around 1.5m below surrounding ground level.
411000	195000	Eysey Manor Quarry	Eysey Manor Quarry – Current quarry operations. Northeastern area closest to Airfield Quarry has been worked and currently left as openwaterbody. Water level around 1.5mbgl. Some clay lining along the northern flank of waterbody. Area to west of causeway road is being infilled (back to agriculture), using inert infill.

Spot flow gauge exercise (Ampney and Marston Meysey Brooks): 8th May 2019. P Burfitt and G Meetca.

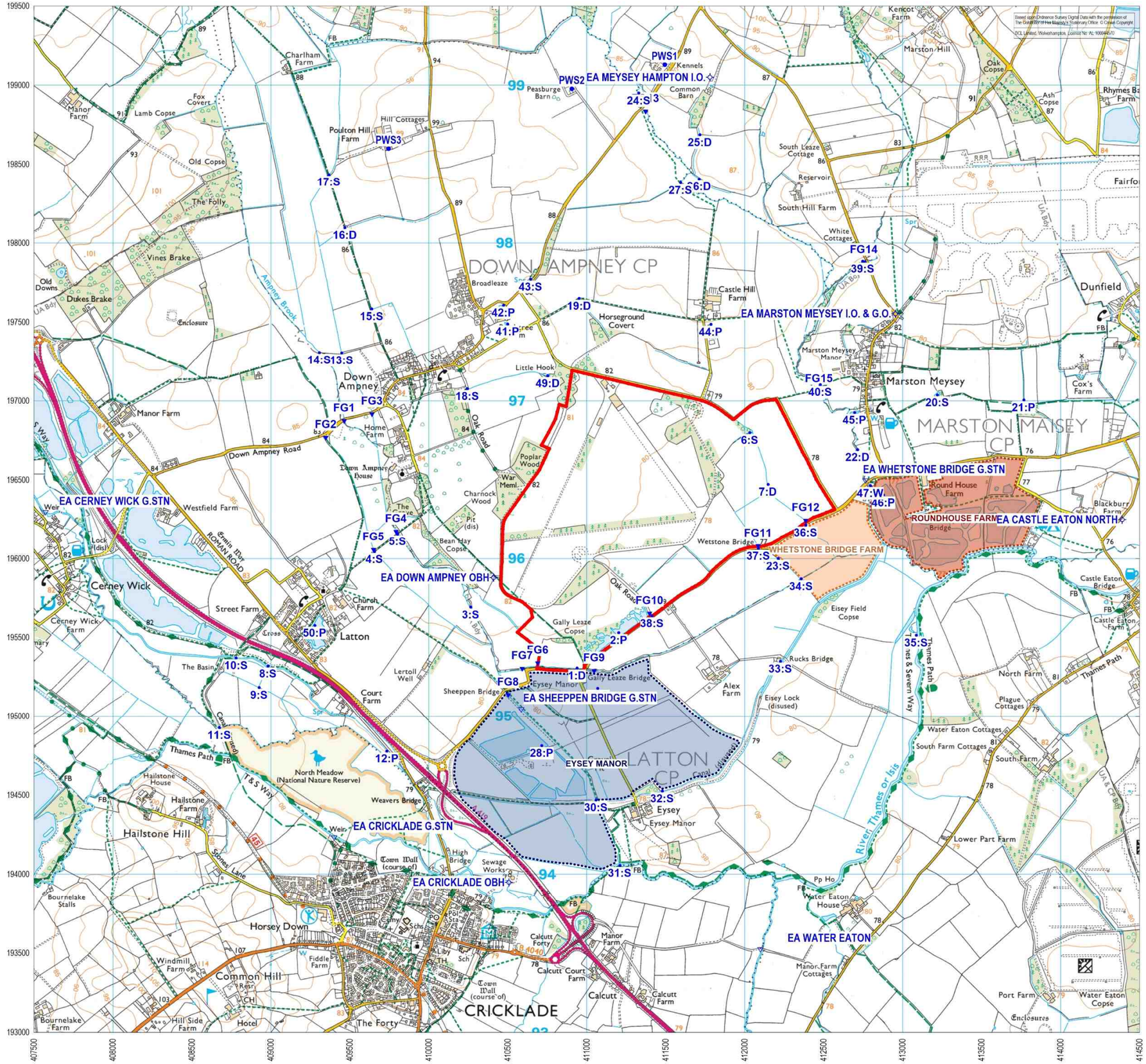
X	Y	Point	Calculated flow (litres/second)
409465	196868	FG1	239.2
409348	196764	FG2	0.5
409641	196912	FG3	15.7
409793	196169	FG4	478.2 - Not ideal gauge location (likely oversetimate).
409650	196053	FG5	2
410691	195334	FG6	Dry
410592	195299	FG7	Dry
410503	195131	FG8	324
411047	195285	FG9	Dry
411398	195647	FG10	Damp
412086	196077	FG11	15
412387	196239	FG12	Dry
411372	198829	FG13	6
412755	197872	FG14	8
412471	197054	FG15	12.5

Other flow observations

Date	Location	Flow observation (litres/sec)	Date	Location	Flow observation (litres/sec)	
15/08/2019	6:S	Dry	07/04/2021	6:S	4	
	36:S	Dry		36:S	Damp - no flow	
	37:S	7		37:S	17	
	38:S	Dry		37a:S	6	
	Gain	7		38:S	Damp - no flow	
02/09/2019	6:S	No vis flow		Gain	13	
	36:S	Dry	10/05/2021	6:S	6	
	37:S	5		36:S	4	
	38:S	Dry		37:S	40	
	Gain	5		37a:S	24	
05/11/2019	6:S	15		38:S	Dry	
	36:S	Floodwater backing up to watercourse		Gain	34	
	37:S	Floodwater backing up to watercourse	09/06/2021	6:S	1	
	38:S	Floodwater backing up to watercourse		36:S	Damp - no flow	
	Gain	Floodwater backing up to watercourse		37:S	11	
03/12/2019	6:S	10		37a:S	7	
	36:S	Floodwater backing up to watercourse		38:S	Dry	
	37:S	Floodwater backing up to watercourse		Gain	10	
	38:S	3	12/07/2021	6:S	1	
	Gain	Floodwater backing up to watercourse		36:S	Damp - no flow	
06/01/2020	6:S	11		37:S	11	
	36:S	0.5		37a:S	5	
	37:S	200		38:S	Dry	
	38:S	0.5m deep - no vis flow		Gain	11	

Date	Location	Flow observation (litres/sec)	Date	Location	Flow observation (litres/sec)	
	Gain	189	11/08/2021	6:S	0.25	
04/02/2020	6:S	12.5		36:S	Dry	
	36:S	1		37:S	7	
	37:S	375		37a:S	5	
	38:S	0.5m deep - no vis flow		38:S	Dry	
	Gain	363		Gain	7	
05/03/2020	6:S	25	06/09/2021	6:S	Damp - no flow	
	36:S	5		36:S	Dry	
	37:S	Floodwater backing up to watercourse		37:S	4	
	38:S	Floodwater backing up to watercourse		37a:S	3	
	Gain	Floodwater backing up to watercourse		38:S	Dry	
22/06/2020	6:S	5		Gain	4	
	36:S	0.25	07/10/2021	6:S	1	
	37:S	15		36:S	Damp - no flow	
	38:S	Dry		37:S	11	
	Gain	10		37a:S	7	
06/07/2020	6:S	0.25		38:S	Dry	
	36:S	Dry		Gain	10	
	37:S	11	04/11/2021	6:S	6	
	37a:S	9		36:S	2	
	38:S	Dry		37:S	30	
	Gain	11		37a:S	18	
04/08/2020	6:S	Damp - no flow		38:S	Dry	
	36:S	Dry		Gain	24	
	37:S	4	03/12/2021	6:S	1	
	37a:S	1		36:S	Damp - no flow	
	38:S	Dry		37:S	17	
	Gain	4		37a:S	6	
07/09/2020	6:S	3		38:S	Dry	
	36:S	Damp - no flow		Gain	16	
	37:S	18	06/01/2022	6:S	26	
	37a:S	12		36:S	5	
	38:S	Dry		37:S	75	
	Gain	15		37a:S	36	
08/10/2020	6:S	22		38:S	Dry	
	36:S	16		Gain	49	
	37:S	63	08/02/2022	6:S	8	
	37a:S	13		36:S	No flow	
	38:S	Dry		37:S	38	
	Gain	41		37a:S	18	
05/11/2020	6:S	47		38:S	Damp - no flow	
	36:S	19		Gain	30	
	37:S	113	09/03/2022	6:S	9	
	37a:S	19		36:S	0.25	
	38:S	Dry		37:S	38	
	Gain	66		37a:S	30	
01/12/2020	6:S	11		38:S	Damp - no flow	
	36:S	2		Gain	29	
	37:S	90	06/04/2022	6:S	4	

Date	Location	Flow observation (litres/sec)	Date	Location	Flow observation (litres/sec)	
	37a:S	36		36:S	No flow	
	38:S	Dry		37:S	34	
	Gain	79		37a:S	18	
06/01/2021	6:S	38		38:S	Dry	
	36:S	6		Gain	30	
	37:S	Floodwater backing up to watercourse				
	37a:S	54				
	38:S	Floodwater backing up to watercourse				
	Gain	Floodwater backing up to watercourse				
08/02/2021	6:S	28				
	36:S	4				
	37:S	Floodwater backing up to watercourse				
	37a:S	48				
	38:S	Floodwater backing up to watercourse				
	Gain	Floodwater backing up to watercourse				
09/03/2021	6:S	6				
	36:S	2				
	37:S	30				
	37a:S	18				
	38:S	Damp - no flow				
	Gain	24				



Key

Airfield Quarry site boundary

B/HQP/AQ_HRA/22

Hills Quarry Products Limited

Airfield Quarry, Gally Leaze, Gloucestershire

Hydrogeological Risk Assessment

Final Report

Figure 1: Water features survey – location plan

Drawn By: PB	**Scale: 1:20,000**
Date: Apr 22	**Format: A3L**

B/HQP/AQ_HRA/22

Hills Quarry Products Limited

Airfield Quarry

Gally Leaze, Gloucestershire

Proposed sand and gravel extraction and restoration

Hydrogeological Risk Assessment

Final Report
April 2022

Appendix 5 Airfield Quarry – Water quality data

BCL HYDRO
BCL Consultant Hydrogeologists Limited

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West Midlands, WV10 9RU. Tel: 01902 824111, Fax: 01902 824112
email: info@bclhydro.co.uk, web: http://www.bclhydro.co.uk
Registered Office: 33, Wolverhampton Road, Cannock, West Midlands, WV11 1AP
Registered in England & Wales. Company Registration Number: 4043373

Airfield Quarry		Analyte:	Mecoprop	Ammoniacal Nitrogen as NH3	Ammonia (Free) as N calc a	Antimony as Sb (Dissolved)	Arsenic as As (Dissolved)	Cadmium as Cd (Dissolved)	Chromium as Cr (Dissolved)	Copper as Cu (Dissolved)	Lead as Pb (Dissolved)	Manganese as Mn (Dissolved)	Mercury as Hg (Dissolved)	Molybdenum as Mo (Dissolved)	Nickel as Ni (Dissolved)	Selenium as Se (Dissolved)	Zinc as Zn (Dissolved)	Barium as Ba (Dissolved) a	Boron as B (Dissolved) a	Calcium as Ca (Dissolved) a	Iron as Fe (Dissolved) a	Magnesium as Mg (Dissolved) a	Potassium as K (Dissolved) a	Sodium as Na (Dissolved) a	Total Sulphur as SO4 (Dissolved) a	Fluoride as F a	Ammoniacal Nitrogen as N	Chloride as Cl w
Water quality data		Method Code:	AHB	CALC_NH3	FNH3CALC	ICPMSW	ICPMSW	ICPMSW	ICPMSW	ICPMSW	ICPMSW	ICPMSW	ICPMSW	ICPMSW	ICPMSW	ICPMSW	ICPMSW	ICPWATVAR	ICPWATVAR	ICPWATVAR	ICPWATVAR	ICPWATVAR	ICPWATVAR	ICPWATVAR	ICPWATVAR	ISEF	KONENS	KONENS
		Units:	ug/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Sample Ref	Location ID	Sample date																										
EX/1956339	SW1	21/02/2019	< 0.02	0.01	<0.01	<0.001	<0.001	<0.0001	<0.001	<0.001	<0.001	<0.002	<0.0001	<0.001	<0.001	0.003	<0.002	0.02	0.03	126	0.13	2	1	46	37	0.1	0.01	70
EX/2006140	SW1	26/09/2019	< 0.02	0.05	<0.01	<0.001	<0.001	<0.00002	<0.001	0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	0.011	0.03		152	0.03	4	8	22	30	0.2	0.04	30
EX/2016427	SW1	31/10/2019	< 0.02	0.02	<0.01	<0.001	<0.001	0.00003	<0.001	0.002	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.02		158	<0.01	5	5	17	22	0.2	0.02	20
EX/2022265	SW1	28/11/2019	<0.02	0.11	<0.01	<0.001	<0.001	0.00003	<0.001	0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	0.003	0.02		117	<0.01	3	4	15	15	0.2	0.09	18
EX/2025625	SW1	05/12/2019	<0.02	0.17	<0.01	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.02		147	<0.01	4	4	28	21	0.3	0.14	34
EX/2032243	SW1	07/01/2020	<0.02	0.06	<0.01	<0.001	<0.001	0.00003	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	0.017	0.02		139	<0.01	3	<1	16	19	0.2	0.05	20
EX/2039764	SW1	06/02/2020	<0.02	0.05	<0.01	<0.001	<0.001	<0.00002	<0.001	0.001	<0.001	0.003	<0.00003	<0.001	0.006	<0.001	<0.002	0.02		140	<0.01	3	<1	15	25	0.2	0.04	19
EX/2049336	SW1	06/03/2020	<0.02	0.05	<0.01	0.005	<0.001	<0.00002	<0.001	0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.01		68	<0.01	3	3	20	16	0.2	0.04	28
EX/2053059	SW1	02/04/2020	<0.02	<0.01	<0.01	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	0.002	<0.002	0.02	0.05	147	<0.01	3	2	26	35	0.2	<0.01	28
20050413	SW1	07/05/2020	<0.02	0.24	<0.02	<0.001	<0.001	0.00003	<0.001	0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	0.002	0.003	0.02		142	<0.01	3	1	19	31	0.2	0.2	21
20060241-010	SW1	04/06/2020	<0.02	0.61	<0.02	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	0.004	<0.00003	<0.001	<0.001	0.001	0.004	0.03		150	<0.01	3	2	22	38	0.2	0.5	21
20101461-010	SW1	07/10/2020	<0.02	<0.02	<0.02	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.02		133	<0.01	2	<1	21	25	0.3	<0.01	36
20120112-010	SW1	05/11/2020	<0.02	<0.02	<0.02	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.02		144	<0.01	2	<1	14	22	0.2	<0.01	21
20120780-006	SW1	02/12/2020	<0.02	0.02	<0.02	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	0.01	0.02		127	<0.01	4	9	49	28	0.4	0.02	63
21011010-010	SW1	08/01/2021	<0.02	0.05	<0.02	<0.001	<0.001	0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	0.001	<0.002	0.02		131	<0.01	2	1	19	31	0.2	0.04	27
21020271-010	SW1	01/02/2021	<0.02	0.1	<0.02	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.02		123	<0.01	4	5	23	21	0.3	0.08	32
21031505-002	SW1	16/03/2021	<0.02	<0.02	<0.02	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.02	0.03	130	<0.01	3	<1	15	24	0.2	<0.01	22
21052080-002	SW1	25/05/2021	<0.02	<0.02	<0.02	<0.001	<0.001	0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.02		149	<0.01	3	<1	10	21	0.2	0.01	14
21080953-010	SW1	30/07/2021	<0.02	<0.02	<0.02	<0.001	0.001	<0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	<0.01		99	0.01	4	5	9	5	0.2	<0.01	18
21110437-006	SW1	21/10/2021	<0.02	<0.02	<0.02	<0.001	<0.001	0.00003	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	0.001	0.02	0.03		156	<0.01	4	9	12	34	0.2	<0.01	15
Minimum			0.00	0.01	0.00	0.005	0.001	0.00002	0.000	0.001	0.000	0.003	0.0000	0.000	0.006	0.001	0.003	0.01	0.03	68	0.01	2	1	9	5	0.1	0.01	14
Maximum			0.00	0.61	0.00	0.005	0.001	0.00003	0.000	0.002	0.000	0.004	0.0000	0.000	0.006	0.003	0.020	0.03	0.05	158	0.13	5	9	49	38	0.4	0.50	70
Average			#DIV/0!	0.12	#DIV/0!	0.005	0.001	0.00003	#DIV/0!	0.001	#DIV/0!	0.004	#DIV/0!	#DIV/0!	0.006	0.002	0.010	0.02	0.04	134	0.06	3	4	21	25	0.2	0.09	28
EQS							0.005	0.0050				0.050	0.0000		0.020		3.000							200	250		0.39	250
% of EQS							20%	1%				7%			30%		0%							10%	10%		23%	11%
EX/1956316	SW2	21/02/2019	< 0.02	0.06	<0.01	<0.001	<0.001	<0.0001	<0.001	<0.001	<0.001	<0.002	<0.0001	<0.001	<0.001	<0.001	<0.002	0.02	0.14	125	0.12	4	8	50	30	0.4	0.05	58
EX/1975618	SW2	08/05/2019	< 0.02	0.06	<0.01	<0.001	<0.001	<0.0001	<0.001	<0.001	<0.001	<0.002	<0.0001	<0.001	<0.001	<0.001	<0.002	0.02		109	0.17	4	12	64	28	0.6	0.05	64
EX/1986263	SW2	28/06/2019		0.05	<0.01	<0.001	<0.001	<0.0001	<0.001	<0.001	<0.001	<0.002	<0.0001	<0.001	<0.001	<0.001	<0.002	0.02		160	0.2	5	11	16	27	0.1	0.04	20
EX/2006141	SW2	26/09/2019	< 0.02	0.05	<0.01	<0.001	<0.001	<0.00002	<0.001	0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	0.004	0.03		153	0.03	4	9	23	30	0.2	0.04	30
EX/2016428	SW2	31/10/2019	< 0.02	0.01	<0.01	<0.001	<0.001	0.00002	<0.001	0.002	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.02		153	<0.01	5	4	16	23	0.2	0.01	20
EX/2022266	SW2	28/11/2019	<0.02	0.05	<0.01	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	0.002	0.02		145	<0.01	4	7	27	24	0.3	0.04	36
EX/2025626	SW2	05/12/2019	<0.02	0.17	<0.01	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.02		150	<0.01	5	8	46	28	0.4	0.14	53
EX/2032244	SW2	07/01/2020	<0.02	0.05	<0.01	<0.001	<0.001	0.00007	<0.001	<0.001	<0.001	0.002	<0.00003	<0.001	<0.001	<0.001	0.01	0.02		143	<0.01	4	7	26	27	0.2	0.04	31
EX/2039765	SW2	06/02/2020	<0.02	0.02	<0.01	<0.001	<0.001	0.00006	<0.001	<0.001	<0.001	0.004	<0.00003	<0.001	<0.001	<0.001	<0.002	0.02		148	<0.01	4	6	18	30	0.2	0.02	24
EX/2049337	SW2	06/03/2020	<0.02	<0.01	<0.01	0.006	<0.001	<0.00002	<0.001	0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.02		131	<0.01	4	6	28	24	0.3	<0.01	36
EX/2053060	SW2	02/04/2020	<0.02	0.07	<0.01	<0.001	<0.001	0.00003	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.02	0.2	122	<0.01	4	7	62	29	0.7	0.06	66
20050413-011	SW2	07/05/2020	<0.02	<0.02	<0.02	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.02		124	<0.01	4	7	65	29	0.6	<0.01	66
20060241-011	SW2	04/06/2020	<0.02	0.02	<0.02	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.02		135	<0.01	4	10	16	24	0.1	0.02	17
20070998-010	SW2	16/07/2020	<0.02	0.1	<0.02	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.02	0.04	121	<0.01	4	12	10	23	<0.1	0.08	16
20080791-010	SW2	04/08/2020	<0.02	0.04	<0.02	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.02		72	<0.01	4	10	9	25	0.2	0.03	14
20091022-010	SW2	09/09/2020	<0.02	0.02	<0.02	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.02		128	<0.01	4	12	13	24	0.2	0.02	18
20101461-011	SW2	07/10/2020	<0.02	0.04	<0.02	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.02		138	<0.01	4	6	18	27	0.2	0.03	6
20120112-011	SW2	05/11/2020	<0.02	0.02	<0.02	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	0.009	<0.00003	<0.001	<0.001	<0.001	<0.002	0.02		157	<0.01	4	7	19	30	0.2	0.02	22
20120780-007	SW2	02/12/2020	<0.02	0.04	<0.02	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.01		141	<0.01	3	2	9	21	0.1	0.03	14
21011010-011	SW2	08/01/2021	<0.02	<0.02	<0.02	<0.001	<0.001	0.00003	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.02		133	<0.01	4	7	36	27	0.3	<0.01	46
21020271-011	SW2	01/02/2021	<0.02	0.02	<0.02	<0.001	<0.001	0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.02		129	<0.01	4	6	23	23	0.3	0.02	32
21031505-003	SW2	16/03/2021	<0.02	0.07	<0.02	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.02	0.17	124	<0.01	4	7	56	29	0.5	0.06	64
21041295-001	SW2	15/04/2021	<0.02	0.15	<0.02	<0.001	<0.001	0.00003	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.02		77	0.02	5	10	173	34	1.7	0.12	174
21052080-003	SW2	25/05/2021	<0.02	0.02	<0.02	<0.001	<0.001	0.00003	<0.001	0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.02		125	<0.01	4	4	38	26	0.5	0.02	43
21080953-011	SW2	30/07/2021	<0.02	<0.02	<0.02	<0.001	0.001	<0.00002	0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	<0.01		93	0.01	3	5	9	5	0.2	<0.01	17
21110437-007	SW2	21/10/2021	<0.02	<0.02	<0.02	<0.001	<0.001	0.00004	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	0.001	0.04	0.03		156	<0.01	4	9	11	34	0.2	<0.01	16
22020051-010	SW2	21/01/2022	<0.02	<0.02	<0.02	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	0.003	0.02		119	<0.01	5	9	102	35	0.9	<0.01	104
Minimum			0.00	0.01	0.00	0.006	0.001	0.00002	0.001	0.001	0.000	0.002	0.0000	0.000	0.000	0.001	0.002	0.01	0.04	72	0.01	3	2	9	5	0.1	0.01	6
Maximum			0.00	0.17	0.00	0.006	0.001	0.00007	0.001	0.002	0.000	0.009	0.0000	0.000	0.000	0.001	0.040	0.03	0.20	160	0.20	5	12	173	35	1.7	0.14	174
Average			#DIV/0!	0.05	#DIV/0!	0.006	0.001	0.00004	0.001	0.001	#DIV/0!	0.005	#DIV/0!	#DIV/0!	#DIV/0!	0.001	0.012	0.02	0.14	130	0.09	4	8	36	27	0.4	0.04	41
EQS			0.00	0.00	0.00	0.000	0.005	0.0050	0.000	0.000	0.000	0.050	0.0000	0.000	0.020	0.000	3.000	0.00	0.00	0	0.00	0	0	200	250	0.0	0.39	250
% of EQS							20%	1%				10%					0%							18%	11%		11%	16%
EX/1956318	SW3	21/02/2019	< 0.02	0.04	<0.01	<0.001	<0.001	<0.0001	<0.001	<0.001	<0.001	<0.002	<0.0001	<0.001	<0.001	<0.001	0.002	0.02	0.03	142	0.14	3	2	11	27	0.1	0.03	14
EX/2016430	SW3	31/10/2019	< 0.02	0.01	<0.01	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.01		139	<0.01	4	2	10	19	0.1	0.01	13
EX/2022267	SW3	28/11/2019	<0.02	0.36	<0.01	<0.001	<0.001	<0.00002	<0.001	0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	0.003	0.01		123	<0.01	4	3	9	19	0.1	0.3	15
EX/2025627	SW3	05/12/2019	<0.02	0.15	<0.01	<0.001	<0.001	0.0001	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.01		111	<0.01	5	3	10	23	0.2	0.12	16
EX/2032245	SW3	07/01/2020	<0.02	0.05	<0.01	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	0.008	<0.00003	<0.001	<0.001	0.001	0.006	0.01		139	0.01	3	2	25	27	0.1	0.04	31
EX/2039766	SW3	06/02/2020	<0.02	0.02	<0.01	<0.001	<0.001	0.00004	<0.001	<0.001	<0.001	0.019	<0.00003	<0.001	<0.001	0.001	<0.002	0.01		144	0.01	3	2	14	28	0.1	0.02	20
EX/2049338	SW3	06/03/2020	<0.02	0.01	<0.01	0.005	<0.001	0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	0.002	<0.01		104	<0.01	4	1	7	18	0.1	0.01	15
EX/2053061	SW3	02/04/2020	<0.02	0.02	<0.01	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.01	0.03	138	<0.01	3	2	11	24	0.1	0.02	17
20050413-012	SW3	07/05/2020	<0.02	<0.02	<0.02	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.01		143	0.01	3	2	11	19	0.1	0.01	14
20101461-012	SW3	07/10/2020	<0.02	0.05	<0.02	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.01		142	<0.01	3	2	12	34	0.2	0.04	4
20120112-012	SW3	05/11/2020	<0.02	<0.02	<0.02	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.01		157	0.01	3	2	12	28	0.1	<0.01	13
20120780-008	SW3	02/12/2020	<0.02	<0.02	<0.02	<0.001	0.002	<0.00002	<0.001	<0.001	<0.001	0.53	<0.00003	<0.001	<0.001	<0.001	<0.002	0.04		205	0.09	6	11	14	98	0.2	<0.01	29
21011010-012	SW3	08/01/2021	<0.02	<0.02	<0.02	<0.001	<0.001	0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.01		131	<0.01	3	2	14	21	0.1	<0.01	24
21020271-012	SW3	01/02/2021	<0.02	0.06	<0.02	<0.001	<0.001	<0.00002	<0.001	0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.02		100	<0.01	3	3	9	15	0.3	0.05	16
21031505-004	SW3	16/03/2021	<0.02	0.04	<0.02	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	0.007	<0.00003	<0.001	<0.001	<0.001	<0.002	0.01	0.03	141	<0.01	3	2	13	25	0.1	0.03	26
21041295-002	SW3	15/04/2021	<0.02	0.1	<0.02	<0.001	<0.001	0.00003	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.01		141	<0.01	3	2	14	24	0.1	0.08	26
21052080-004	SW3	25/05/2021	<0.02	<0.02	<0.02	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	0.003	<0.00003	<0.001	<0.001	<0.001	<0.002	0.01		165	0.01	3	1	12	25	0.2	<0.01	19
21080953-012	SW3	30/07/2021	<0.02	<0.02	<0.02	<0.001	0.001	<0.00002	0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	0.002	<0.01		95	0.01	3	5	9	4	0.2	<0.01	17
21110437-001	SW3	21/10/2021	<0.02	<0.02	<0.02	<0.001	<0.001	0.00004	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	0.013	0.02		154	0.01	3	2	11	28	0.2	<0.01	17
22020051-011	SW3	27/01/2022	<0.02	<0.02	<0.02	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	0.005	<0.00003	<0.001	<0.001	<0.001	0.002	0.02		164	<0.01	3	2	15	28	0.1	0.01	20
Minimum			0.00	0.01	0.00	0.005	0.001	0.00002	0.001	0.001	0.000	0.003	0.0000	0.000	0.000	0.001	0.002	0.01	0.03	95	0.01	3	1	7	4	0.1	0.01	4
Maximum			0.00	0.36	0.00	0.005	0.002	0.00010	0.001	0.001	0.000	0.530	0.0000	0.000	0.000	0.001	0.013	0.04	0.03	205	0.14	6	11	25	98	0.3	0.30	31
Average			#DIV/0!	0.08	#DIV/0!	0.005	0.002	0.00004	0.001	0.001	#DIV/0!	0.095	#DIV/0!	#DIV/0!	#DIV/0!	0.001	0.004	0.01	0.03	139	0.03	3	3	12	27	0.1	0.06	18
EQS			0.00	0.00	0.00	0.000	0.005	0.0050	0.000	0.000	0.000	0.050	0.0000	0.000	0.020	0.000	3.000	0.00	0.00	0	0.00	0	0	200	250	0.0	0.39	250
% of EQS							30%	1%				191%					0%							6%	11%		14%	7%

EX/1956317	SW4	21/02/2019	< 0.02	0.15	<0.01	<0.001	0.001	<0.0001	<0.001	<0.001	<0.001	<0.002	<0.0001	<0.001	<0.001	<0.001	<0.002	0.03	0.03	174	0.17	6	6	15	103	0.1	0.12	28
EX/1975619	SW4	08/05/2019	< 0.10	1.09	0.02	<0.001	0.002	<0.0001	<0.001	0.001	<0.001	0.002	<0.0001	<0.001	<0.001	<0.001	0.002	0.02		125	0.21	5	9	16	26	0.2	0.9	29
EX/1986264	SW4	28/06/2019		0.36	<0.01	<0.001	0.002	<0.0001	<0.001	<0.001	<0.001	0.078	<0.0001	<0.001	<0.001	<0.001	<0.002	0.02		135	0.28	5	11	14	23	0.1	0.3	27
EX/1994377	SW4	31/07/2019	< 0.04	7.28	0.1	<0.001	0.004	<0.0001	<0.001	<0.001	<0.001	0.388	<0.0001	<0.001	<0.001	<0.001	<0.002	0.03		117	0.87	4	8	12	4	0.1	6	26
EX/2006130	SW4	25/09/2019	0.26	0.27	<0.01	<0.001	0.001	<0.00002	<0.001	<0.001	<0.001	0.026	<0.00003	0.002	<0.001	<0.001	0.009	0.04		258	0.09	7	11	18	395	0.1	0.22	22
EX/2016429	SW4	31/10/2019	< 0.02	0.06	<0.01	<0.001	<0.001	0.00003	<0.001	0.002	<0.001	0.007	<0.00003	<0.001	<0.001	<0.001	0.004	0.04		168	<0.01	5	10	14	26	0.2	0.05	21
EX/2022268	SW4	28/11/2019	<0.02	3.64	0.07	<0.001	0.002	0.00003	<0.001	<0.001	<0.001	0.133	<0.00003	<0.001	<0.001	<0.001	0.004	0.02		151	0.06	5	7	16	36	0.1	3	36
EX/2025628	SW4	05/12/2019	<0.02	3.52	0.07	<0.001	0.002	<0.00002	<0.001	<0.001	<0.001	0.228	<0.00003	<0.001	<0.001	<0.001	0.002	0.02		164	0.09	6	7	17	34	0.1	2.9	36
EX/2032246	SW4	07/01/2020	<0.02	2.55	0.04	<0.001	0.001	<0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	0.007	0.02		144	0.04	4	5	17	24	0.2	2.1	30
EX/2039767	SW4	06/02/2020	<0.02	0.73	0.03	<0.001	0.001	<0.00002	<0.001	<0.001	<0.001	0.02	<0.00003	<0.001	<0.001	<0.001	<0.002	0.01		118	0.03	4	3	9	17	0.1	0.6	19
EX/2053062	SW4	02/04/2020	<0.02	0.06	<0.01	<0.001	0.001	<0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.01	0.03	115	0.01	4	2	8	11	0.2	0.05	14
20050413-013	SW4	07/05/2020	<0.02	0.04	<0.02	<0.001	0.002	0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	<0.01		114	0.01	4	3	9	<3	0.2	0.03	15
20120112-013	SW4	05/11/2020	<0.02	<0.02	<0.02	<0.001	0.004	<0.00002	<0.001	<0.001	<0.001	0.012	<0.00003	<0.001	0.001	<0.001	0.003	0.03		241	0.01	9	20	29	161	0.1	<0.01	54
20120780-009	SW4	02/12/2020	<0.02	0.02	<0.02	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.02		117	<0.01	2	1	4	9	0.2	0.02	5
21011010-013	SW4	08/01/2021	<0.02	0.1	<0.02	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.01		93	0.03	3	5	12	14	0.1	0.08	12
21020271-013	SW4	01/02/2021	<0.02	0.06	<0.02	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	<0.01		87	0.01	3	2	7	13	0.2	0.05	12
21031505-001	SW4	16/03/2021	<0.02	0.02	<0.02	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	0.1	0.01	0.03	110	0.01	3	2	9	18	0.2	0.02	16
21041295-003	SW4	15/04/2021	<0.02	0.19	<0.02	<0.001	<0.001	0.00005	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.01		107	<0.01	3	2	9	27	0.2	0.16	17
21052080-005	SW4	25/05/2021	<0.02	0.1	<0.02	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	<0.01		96	<0.01	3	2	8	17	0.2	0.08	15
21080953-013	SW4	30/07/2021	<0.02	<0.02	<0.02	<0.001	0.001	<0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	<0.01		96	0.01	3	5	9	5	0.2	<0.01	18
22020051-012	SW4	21/01/2022	<0.02	0.07	<0.02	<0.001	0.005	<0.00002	<0.001	<0.001	<0.001	0.982	<0.00003	<0.001	0.005	<0.001	<0.002	0.05		221	0.84	7	13	17	66	0.2	0.06	38
Minimum			0.26	0.02	0.02	0.000	0.001	0.00002	0.000	0.001	0.000	0.002	0.0000	0.002	0.001	0.000	0.002	0.01	0.03	87	0.01	2	1	4	4	0.1	0.02	5
Maximum			0.26	7.28	0.10	0.000	0.005	0.00005	0.000	0.002	0.000	0.982	0.0000	0.002	0.005	0.000	0.100	0.05	0.03	258	0.87	9	20	29	395	0.2	6.00	54
Average			0.26	1.07	0.06	#DIV/0!	0.002	0.00003	#DIV/0!	0.002	#DIV/0!	0.188	#DIV/0!	0.002	0.003	#DIV/0!	0.016	0.02	0.03	141	0.16	5	6	13	51	0.2	0.88	23
EQS			0.00	0.00	0.00	0.000	0.005	0.0050	0.000	0.000	0.000	0.050	0.0000	0.000	0.020	0.000	3.000	0.00	0.00	0	0.00	0	0	200	250	0.0	0.39	250
% of EQS							41%	1%				375%			15%		1%							6%	21%		226%	9%

EX/1956338	P1-18	21/02/2019	< 0.02	0.02	<0.01	<0.001	<0.001	<0.0001	<0.001	<0.001	<0.001	<0.002	<0.0001	<0.001	<0.001	<0.001	<0.002	0.02	0.04	123	0.12	4	1	10	21	0.1	0.02	19
EX/1975973	P1-18	08/05/2019	< 0.02	0.02	<0.01	<0.001	<0.001	<0.0001	<0.001	<0.001	<0.001	<0.002	<0.0001	<0.001	<0.001	<0.001	<0.002	0.02		135	0.18	3	1	10	22	0.1	0.02	12
EX/1986266	P1-18	27/06/2019	< 0.02	0.01	<0.01	<0.001	<0.001	<0.0001	<0.001	<0.001	<0.001	<0.002	<0.0001	<0.001	<0.001	<0.001	0.003	0.01		130	0.17	3	1	10	20	0.1	0.01	11
EX/1994386	P1-18	29/07/2019	< 0.02	<0.01	<0.01	<0.001	<0.001	0.0001	<0.001	<0.001	<0.001	<0.002	<0.0001	<0.001	<0.001	<0.001	<0.002	0.01		139	0.24	3	1	10	22	0.1	<0.01	14
EX/1999664	P1-18	27/08/2019	< 0.02	0.91	<0.01	<0.001	<0.001	<0.0001	<0.001	<0.001	<0.001	<0.002	<0.0001	<0.001	<0.001	<0.001	0.004	0.03	0.03	157	1.29	3	1	38	20		0.75	138
EX/2006136	P1-18	25/09/2019	< 0.02	0.08	<0.01	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	0.007	0.02		137	0.03	2	<1	11	21	0.1	0.07	12
EX/2016448	P1-18	30/10/2019	0.03	<0.01	<0.01	<0.001	<0.001	<0.00002	0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.02		155	<0.01	3	1	14	21	0.1	<0.01	15
EX/2022256	P1-18	28/11/2019	<0.02	0.24	<0.01	<0.001	<0.001	<0.00002	<0.001	0.001	<0.001	0.005	<0.00003	<0.001	<0.001	<0.001	0.177	0.01		140	<0.01	3	<1	20		0.1	0.2	13
EX/2025549	P1-18	05/12/2019	<0.02	0.02	<0.01	<0.001	<0.001	0.00003	<0.001	0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	0.005	0.01		152	<0.01	3	<1	12	19	0.1	0.02	13
EX/2032234	P1-18	07/01/2020	<0.02	0.02	<0.01	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	0.005	0.01		146	<0.01	3	<1	11	20	0.1	0.02	12
EX/2039755	P1-18	06/02/2020	<0.02	0.04	<0.01	<0.001	<0.001	0.00009	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.01		151	<0.01	3	<1	9	21	<0.1	0.03	13
EX/2049328	P1-18	06/03/2020	<0.02	0.02	<0.01	0.005	<0.001	<0.00002	<0.001	<0.001	<0.001	0.007	<0.00003	<0.001	<0.001	<0.001	0.004	0.01		120	<0.01	2	<1	9	20	0.1	0.02	16
EX/2053050	P1-18	02/04/2020	<0.02	0.04	<0.01	<0.001	<0.001	0.00004	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	<0.01	0.02	144	<0.01	3	<1	8	21	<0.1	0.03	14
20050413-001	P1-18	07/05/2020	<0.02	<0.02	<0.02	<0.001	<0.001	0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	<0.01		142	<0.01	2	<1	9	19	<0.1	<0.01	15
20060241-001	P1-18	04/06/2020	<0.02	0.02	<0.02	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.01		144	<0.01	3	<1	11	19	<0.1	0.02	14
20070998-001	P1-18	16/07/2020	<0.02	0.06	<0.02	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.01	0.03	138	<0.01	2	1	9	18	<0.1	0.05	15
20080791-001	P1-18	04/08/2020	<0.02	0.04	<0.02	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.01		137	<0.01	2	<1	9	20	0.2	0.03	13
20091022-001	P1-18	09/09/2020	<0.02	<0.02	<0.02	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	0.081	0.46		141	<0.01	3	<1	20	41	0.2	<0.01	13
20101461-001	P1-18	07/10/2020	<0.02	0.02	<0.02	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	<0.01		141	<0.01	2	<1	10	19	0.1	0.02	13
20120112-001	P1-18	05/11/2020	<0.02	<0.02	<0.02	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.01		159	0.01	3	<1	13	21	0.1	<0.01	16
20120958-001	P1-18	02/12/2020	<0.02	<0.02	<0.02	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	0.002	<0.01		139	<0.01	2	<1	9	19	<0.1	0.01	14
21011010-001	P1-18	08/01/2021	<0.02	<0.02	<0.02	<0.001	<0.001	0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	<0.01		128	<0.01	2	<1	9	16	<0.1	<0.01	13
21020271-001	P1-18	01/02/2021	<0.02	<0.02	<0.02	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	0.007	0.01		134	<0.01	3	<1	14	16	0.2	0.01	20
21031505-005	P1-18	16/03/2021	<0.02	<0.02	<0.02	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	<0.01	0.02	130	<0.01	2	<1	9	18	0.1	<0.01	15
21052071-001	P1-18	25/05/2021	<0.02	<0.02	<0.02	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.01		138	<0.01	3	<1	8	18	0.2	0.01	16
21080953-001	P1-18	26/07/2021	<0.02	<0.02	<0.02	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.01		150	<0.01	3	<1	9	19	0.1	<0.01	18
21110437-009	P1-18	21/10/2021	<0.02	<0.02	<0.02	<0.001	<0.001	0.00004	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	0.006	<0.01		148	<0.01	2	<1	9	21	0.1	<0.01	18
22020051-005	P1-18	27/01/2022	<0.02	<0.02	<0.02	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	<0.01		145	<0.01	3	<1	9	23	0.1	<0.01	17
Minimum			0.03	0.01	0.00	0.005	0.000	0.00002	0.001	0.001	0.000	0.005	0.0000	0.000	0.000	0.000	0.002	0.01	0.02	120	0.01	2	1	8	16	0.1	0.01	11
Maximum			0.03	0.91	0.00	0.005	0.000	0.00010	0.001	0.001	0.000	0.007	0.0000	0.000	0.000	0.000	0.177	0.46	0.04	159	1.29	4	1	38	41	0.2	0.75	138
Average			0.03	0.10	#DIV/0!	0.005	#DIV/0!	0.00005	0.001	0.001	#DIV/0!	0.006	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0.027	0.04	0.03	141	0.29	3	1	12	21	0.1	0.07	19
EQS			0.00	0.00	0.00	0.000	0.005	0.0050	0.000	0.000	0.000	0.050	0.0000	0.000	0.020	0.000	3.000	0.00	0.00	0	0.00	0	0	200	250	0.0	0.39	250
% of EQS								1%				12%					1%							6%	8%		19%	8%

EX/1956569	P2-18	21/02/2019	< 0.02	<0.01	<0.01	<0.001	<0.001	<0.0001	<0.001	<0.001	<0.001	<0.002	<0.0001	<0.001	<0.001	<0.001	<0.002	0.02	0.03	115	0.18	3	<1	10	22	<0.1	<0.01	14
EX/1975974	P2-18	08/05/2019	< 0.02	0.01	<0.01	<0.001	<0.001	<0.0001	<0.001	<0.001	<0.001	<0.002	<0.0001	<0.001	<0.001	<0.001	<0.002	0.01		127	0.17	3	<1	11	24	0.2	0.01	15
EX/1986267	P2-18	27/06/2019	< 0.02	0.01	<0.01	<0.001	<0.001	<0.0001	<0.001	<0.001	<0.001	<0.002	<0.0001	<0.001	<0.001	<0.001	<0.002	0.01		134	0.17	3	1	12	19	0.1	0.01	36
EX/1994387	P2-18	29/07/2019	< 0.04	0.02	<0.01	<0.001	<0.001	<0.0001	<0.001	<0.001	<0.001	<0.002	<0.0001	<0.001	<0.001	<0.001	<0.002	0.02		165	0.25	4	1	22	19	0.1	0.02	109
EX/1999665	P2-18	27/08/2019	< 0.02	0.56	<0.01	<0.001	<0.001	<0.0001	<0.001	<0.001	<0.001	<0.002	<0.0001	<0.001	<0.001	<0.001	0.119	0.32	0.08	136	1.23	3	<1	10	24		0.46	12
EX/2006137	P2-18	25/09/2019	< 0.02	0.02	<0.01	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	0.003	0.02		149	0.03	3	1	48	21	0.1	0.02	114
EX/2016449	P2-18	30/10/2019	< 0.02	0.02	<0.01	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	0.002	0.02		154	<0.01	3	1	22	19	0.1	0.02	21
EX/2022257	P2-18	28/11/2019	<0.02	0.24	<0.01	<0.001	<0.001	0.00003	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	0.01	0.02		136	<0.01	3	1	19		0.1	0.2	15
EX/2025550	P2-18	05/12/2019	<0.02	0.04	<0.01	<0.001	<0.001	<0.00002	<0.001	0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	0.005	0.02		135	<0.01	3	<1	16	18	0.1	0.03	15
EX/2032235	P2-18	07/01/2020	<0.02	0.07	<0.01	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	0.039	0.02		133	<0.01	3	<1	13	19	0.1	0.06	16
EX/2039756	P2-18	06/02/2020	<0.02	0.04	<0.01	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	0.003	0.01		131	<0.01	3	<1	11	20	0.1	0.03	18
EX/2049329	P2-18	06/03/2020	<0.02	<0.01	<0.01	0.005	<0.001	<0.00002	<0.001	<0.001	<0.001	0.01	<0.00003	<0.001	<0.001	<0.001	0.006	0.01		136	<0.01	2	<1	8	20	0.1	<0.01	14
EX/2053051	P2-18	02/04/2020	<0.02	0.05	<0.01	<0.001	<0.001	0.00009	0.004	0.008	<0.001	0.002	<0.00003	<0.001	0.006	<0.001	0.028	0.01	0.03	119	<0.01	3	<1	9	20	0.1	0.04	16
20050413-002	P2-18	07/05/2020	<0.02	0.04	<0.02	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	0.003	0.01		127	<0.01	3	<1	11	21	<0.1	0.03	19
20060241-002	P2-18	04/06/2020	<0.02	0.06	<0.02	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	0.003	0.01		134	<0.01	3	1	14	20	0.1	0.05	17
20070998-002	P2-18	16/07/2020	<0.02	0.07	<0.02	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.01	0.03	119	<0.01	2	<1	11	18	0.1	0.06	18
20080791-002	P2-18	04/08/2020	<0.02	0.04	<0.02	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.02		122	<0.01	3	<1	12	20	0.1	0.03	17
20091022-002	P2-18	09/09/2020	<0.02	<0.02	<0.02	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.01		118	<0.01	2	<1	11	18	0.2	<0.01	17
20101461-002	P2-18	07/10/2020	<0.02	0.04	<0.02	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.02		122	<0.01	2	<1	13	18	0.1	0.03	20
20120112-002	P2-18	05/11/2020	<0.02	<0.02	<0.02	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.02		135	<0.01	3	<1	23	20	0.1	0.01	37
20120958-002	P2-18	02/12/2020	<0.02	0.02	<0.02	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	0.004	0.02		122	<0.01	3	<1	23	19	0.1	0.02	26
21011010-002	P2-18	08/01/2021	<0.02	0.04	<0.02	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	0.003	0.01		119	<0.01	3	<1	19	18	0.1	0.03	19
21020271-002	P2-18	01/02/2021	<0.02	0.02	<0.02	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.01		121	<0.01	3	<1	13	18	0.2	0.02	18
21031505-006	P2-18	16/03/2021	<0.02	<0.02	<0.02	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.01	0.03	112	<0.01	3	<1	10	18	0.1	<0.01	18
21052071-002	P2-18	25/05/2021	<0.02	<0.02	<0.02	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.01		122	<0.01	3	<1	15	17	0.2	0.01	64
21080953-002	P2-18	26/07/2021	<0.02	<0.02	<0.02	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.02		163	<0.01	4	1	38	21	0.1	<0.01	135
21110437-010	P2-18	21/10/2021	<0.02	<0.02	<0.02	<0.001	<0.001	0.00003	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	0.003	0.02		132	<0.01	3	1	49	23	0.1	<0.01	91
22020051-006	P2-18	27/01/2022	<0.02	<0.02	<0.02	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	0.004	0.02		134	<0.01	3	1	51	22	0.1	<0.01	68
Minimum			0.00	0.01	0.00	0.005	0.000	0.00003	0.004	0.001	0.000	0.002	0.0000	0.000	0.006	0.000	0.002	0.01	0.03	112	0.03	2	1	8	17	0.1	0.01	12
Maximum			0.00	0.56	0.00	0.005	0.000	0.00009	0.004	0.008	0.000	0.010	0.0000	0.000	0.006	0.000	0.119	0.32	0.08	165	1.23	4	1	51	24	0.2	0.46	135

Average			#DIV/0!	0.07	#DIV/0!	0.005	#DIV/0!	0.00005	0.004	0.005	#DIV/0!	0.006	#DIV/0!	#DIV/0!	0.006	#DIV/0!	0.016	0.03	0.04	131	0.34	3	1	19	20	0.1	0.06	36
EQS			0.00	0.00	0.00	0.000	0.005	0.0050	0.000	0.000	0.000	0.050	0.0000	0.000	0.020	0.000	3.000	0.00	0.00	0	0.00	0	0	200	250	0.0	0.39	250
% of EQS								1%				12%			30%		1%							9%	8%		15%	14%
EX/1956570	P3-18	21/02/2019	< 0.02	<0.01	<0.01	<0.001	<0.001	<0.0001	<0.001	<0.001	<0.001	<0.002	<0.0001	<0.001	<0.001	<0.001	<0.002	0.04	0.06	154	0.21	3	3	18	60	0.1	<0.01	16
EX/1975975	P3-18	08/05/2019	< 0.02	0.02	<0.01	<0.001	<0.001	<0.0001	<0.001	<0.001	<0.001	<0.002	<0.0001	<0.001	<0.001	<0.001	<0.002	0.04		163	0.19	3	4	17	58	0.2	0.02	14
EX/1986268	P3-18	27/06/2019	< 0.02	0.07	<0.01	<0.001	<0.001	<0.0001	<0.001	<0.001	<0.001	0.024	<0.0001	<0.001						161	0.2	3	4	14	47	0.1	0.06	14
EX/1994388	P3-18	29/07/2019	< 0.04	0.01	<0.01	<0.001	<0.001	<0.0001	<0.001	<0.001	<0.001	<0.002	<0.0001	<0.001	<0.001	<0.001	<0.002	0.04		161	0.25	3	2	11	34	0.1	0.01	14
EX/1999666	P3-18	27/08/2019	< 0.02	0.97	<0.01	<0.001	<0.001	<0.0001	<0.001	0.001	<0.001	0.007	<0.0001	<0.001	<0.001	<0.001	0.182	0.16	0.07	140	1.29	2	2	13	51		0.8	17
EX/2006133	P3-18	25/09/2019	< 0.02	0.06	<0.01	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	0.011	<0.00003	<0.001	0.001	<0.001	0.009	0.04		159	0.04	3	3	15	56	0.1	0.05	17
EX/2016450	P3-18	30/10/2019	< 0.02	0.04	<0.01	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	0.003	0.04		183	<0.01	3	4	16	49	0.1	0.03	16
EX/2022258	P3-18	28/11/2019	<0.02	0.25	<0.01	<0.001	<0.001	0.00003	<0.001	<0.001	<0.001	0.006	<0.00003	<0.001	<0.001	<0.001	0.006	0.04		159	<0.01	3	3	48		<0.1	0.21	15
EX/2025551	P3-18	05/12/2019	<0.02	0.02	<0.01	<0.001	<0.001	<0.00002	<0.001	0.002	<0.001	0.005	<0.00003	<0.001	<0.001	<0.001	0.007	0.04		168	<0.01	3	4	15	51	0.1	0.02	16
EX/2032236	P3-18	07/01/2020	<0.02	0.02	<0.01	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	0.018	<0.00003	<0.001	<0.001	<0.001	0.004	0.04		155	<0.01	2	3	14	50	0.1	0.02	15
EX/2039757	P3-18	06/02/2020	<0.02	0.01	<0.01	<0.001	<0.001	0.00006	<0.001	<0.001	<0.001	0.008	<0.00003	<0.001	<0.001	<0.001	<0.002	0.04		165	<0.01	3	2	12	53	<0.1	0.01	14
EX/2049330	P3-18	06/03/2020	<0.02	0.05	<0.01	0.005	<0.001	<0.00002	<0.001	0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	0.002	0.04		162	0.08	3	3	10	44	<0.1	0.04	12
EX/2053052	P3-18	02/04/2020	<0.02	0.04	<0.01	<0.001	<0.001	0.00004	<0.001	<0.001	<0.001	0.011	<0.00003	<0.001	<0.001	<0.001	<0.002	0.04	0.04	175	<0.01	3	3	10	47	<0.1	0.03	12
20050413-003	P3-18	07/05/2020	<0.02	0.04	<0.02	<0.001	<0.001	0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	0.004	0.04		184	<0.01	3	3	12	47	<0.1	0.03	14
20060241-003	P3-18	04/06/2020	<0.02	0.02	<0.02	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	0.003	<0.00003	<0.001	<0.001	<0.001	<0.002	0.04		188	<0.01	3	2	11	23	<0.1	0.02	7
20070998-003	P3-18	16/07/2020	<0.02	0.07	<0.02	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.03	0.04	168	<0.01	3	2	8	25	<0.1	0.06	9
20080791-003	P3-18	04/08/2020	<0.02	0.06	<0.02	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.04		175	<0.01	3	2	8	25	0.1	0.05	8
20091022-003	P3-18	09/09/2020	<0.02	<0.02	<0.02	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	0.001	<0.001	<0.002	0.04		171	0.01	3	4	13	60	0.1	<0.01	15
20101461-003	P3-18	07/10/2020	<0.02	0.24	<0.02	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.04		164	<0.01	3	3	15	54	0.1	0.2	16
20120112-003	P3-18	05/11/2020	<0.02	<0.02	<0.02	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.04		172	<0.01	3	3	15	55	<0.1	<0.01	15
20120958-003	P3-18	02/12/2020	<0.02	0.02	<0.02	<0.001	<0.001	<0.00002	<0.001	0.001	<0.001	0.019	<0.00003	<0.001	<0.001	<0.001	0.103	0.04		165	<0.01	3	3	13	56	<0.1	0.02	17
21011010-003	P3-18	08/01/2021	<0.02	<0.02	<0.02	<0.001	<0.001	0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.04		154	<0.01	2	3	11	48	<0.1	<0.01	15
21020271-003	P3-18	01/02/2021	<0.02	0.04	<0.02	<0.001	<0.001	0.00003	<0.001	0.001	<0.001	0.011	<0.00003	<0.001	<0.001	<0.001	0.003	0.04		163	<0.01	3	3	12	49	0.1	0.03	14
21031505-013	P3-18	16/03/2021	<0.02	<0.02	<0.02	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.04	0.04	161	<0.01	3	3	12	56	0.1	<0.01	14
21052071-003	P3-18	25/05/2021	<0.02	0.02	<0.02	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.03		170	<0.01	3	3	11	47	0.2	0.02	12
21080953-003	P3-18	26/07/2021	<0.02	<0.02	<0.02	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	0.002	0.02		128	<0.01	2	1	5	12	0.2	<0.01	5
21110437-002	P3-18	21/10/2021	<0.02	<0.02	<0.02	<0.001	<0.001	0.00003	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	0.003	0.006	0.04		172	<0.01	4	3	14	64	0.1	<0.01	16
22020051-007	P3-18	21/01/2022	<0.02	<0.02	<0.02	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.04		171	<0.01	3	3	14	58	0.1	<0.01	16

Minimum			0.00	0.01	0.00	0.005	0.000	0.00002	0.000	0.001	0.000	0.003	0.0000	0.000	0.001	0.003	0.002	0.02	0.04	128	0.01	2	1	5	12	0.1	0.01	5
Maximum			0.00	0.97	0.00	0.005	0.000	0.00006	0.000	0.002	0.000	0.024	0.0000	0.000	0.001	0.003	0.182	0.16	0.07	188	1.29	4	4	48	64	0.2	0.80	17
Average			#DIV/0!	0.10	#DIV/0!	0.005	#DIV/0!	0.00003	#DIV/0!	0.001	#DIV/0!	0.011	#DIV/0!	#DIV/0!	0.001	0.003	0.028	0.04	0.05	165	0.28	3	3	14	47	0.1	0.09	14
EQS			0.00	0.00	0.00	0.000	0.005	0.0050	0.000	0.000	0.000	0.050	0.0000	0.000	0.020	0.000	3.000	0.00	0.00	0	0.00	0	0	200	250	0.0	0.39	250
% of EQS								1%				22%			5%		1%							7%	19%		22%	6%
EX/1956340	P4-18	21/02/2019	< 0.02	0.04	<0.01	<0.001	<0.001	<0.0001	<0.001	<0.001	<0.001	0.003	<0.0001	<0.001	<0.001	<0.001	<0.002	0.03	0.09	157	0.15	4	2	106	26	0.1	0.03	223
EX/1986269	P4-18	27/06/2019	< 0.02	0.05	<0.01	<0.001	<0.001	<0.0001	<0.001	0.001	<0.001	0.005	<0.0001	<0.001	<0.001	<0.001	<0.002	0.03		156	0.2	4	3	115	29	0.2	0.04	172
EX/1994389	P4-18	29/07/2019	< 0.04	<0.01	<0.01	<0.001	<0.001	0.0001	<0.001	<0.001	<0.001	0.112	<0.0001	<0.001	<0.001	<0.001	<0.002	0.03		157	0.23	4	3	36	36	0.2	<0.01	74
EX/1999667	P4-18	27/08/2019	< 0.02	0.68	<0.01	<0.001	<0.001	<0.0001	<0.001	0.002	<0.001	0.031	<0.0001	<0.001	0.001	<0.001	0.184	0.16	0.05	182	1.34	4	4	106	35		0.56	261
EX/2006134	P4-18	25/09/2019	< 0.02	0.04	<0.02	<0.001	<0.001	<0.00002	<0.001	0.001	<0.001	0.016	<0.00003	<0.001	<0.001	0.001	0.005	0.05		218	0.05	5	5	151	33	0.2	0.03	358
EX/2016451	P4-18	30/10/2019	< 0.04	<0.01	<0.01	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.01		155	<0.01	3	1	13	20	0.1	<0.01	16
EX/2022259	P4-18	28/11/2019	<0.02	0.34	<0.01	<0.001	<0.001	<0.00002	<0.001	0.002	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.02		114	<0.01	3	4	28		0.2	0.28	51
EX/2025552	P4-18	05/12/2019	<0.02	0.02	<0.01	<0.001	<0.001	<0.00002	<0.001	0.004	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	0.005	0.02		93	<0.01	2	1	173	18	0.3	0.02	111
EX/2032237	P4-18	07/01/2020	<0.02	0.27	<0.01	<0.001	<0.001	0.00003	<0.001	0.002	<0.001	0.008	<0.00003	<0.001	<0.001	<0.001	0.006	0.02		116	<0.01	3	3	140	21	0.3	0.22	137
EX/2039758	P4-18	06/02/2020	<0.02	0.15	<0.01	<0.001	<0.001	0.00003	<0.001	0.003	<0.001	0.05	<0.00003	<0.001	0.001	<0.001	0.003	0.02		105	<0.01	3	4	125	22	0.2	0.12	123
EX/2049609	P4-18	06/03/2020	<0.02	0.08	<0.01	0.005	<0.001	<0.00002	<0.001	0.003	<0.001	0.12	<0.00003	<0.001	0.001	<0.001	0.005	0.03		127	<0.01	4	3	16	19	0.2	0.07	33
EX/2053053	P4-18	02/04/2020	<0.02	0.05	<0.01	<0.001	<0.001	<0.00002	<0.001	0.002	<0.001	0.016	<0.00003	<0.001	<0.001	<0.001	<0.002	0.02	0.02	102	<0.01	3	1	142	15	0.3	0.04	191
20050413-004	P4-18	07/05/2020	<0.02	<0.02	<0.02	<0.001	<0.001	<0.00002	<0.001	0.002	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.02		109	<0.01	3	2	64	8	0.2	<0.01	67
20060241-004	P4-18	04/06/2020	<0.02	0.04	<0.02	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.02		127	<0.01	3	2	24	4	0.2	0.03	20
20070998-004	P4-18	16/07/2020	<0.02	0.06	<0.02	<0.001	<0.001	<0.00002	<0.001	0.002	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.02	0.04	124	<0.01	3	3	14	5	0.2	0.05	24
20080791-004	P4-18	04/08/2020	<0.02	0.04	<0.02	<0.001	<0.001	<0.00002	<0.001	0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.02		127	<0.01	3	3	15	8	0.1	0.03	23
20091022-004	P4-18	09/09/2020	<0.02	<0.02	<0.02	<0.001	<0.001	<0.00002	<0.001	0.002	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.02		127	0.07	3	2	23	11	0.3	<0.01	31
20101461-004	P4-18	07/10/2020	<0.02	<0.02	<0.02	<0.001	<0.001	<0.00002	<0.001	0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.02		125	<0.01	3	3	16	7	0.2	0.01	32
20120112-004	P4-18	05/11/2020	<0.02	<0.02	<0.02	<0.001	<0.001	<0.00002	<0.001	0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.02		144	<0.01	3	2	82	11	0.2	<0.01	112
20120958-004	P4-18	02/12/2020	<0.02	0.05	<0.02	<0.001	<0.001	<0.00002	<0.001	0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.02		122	<0.01	3	2	62	25	0.2	0.04	70
21011010-004	P4-18	08/01/2021	<0.02	0.61	<0.02	<0.001	<0.001	0.00002	<0.001	0.002	<0.001	0.296	0.00011	<0.001	0.001	<0.001	<0.002	0.03		125	<0.01	4	3	13	14	0.2	0.5	23
21020271-004	P4-18	01/02/2021	<0.02	0.73	<0.02	<0.001	<0.001	<0.00002	<0.001	0.002	<0.001	0.233	<0.00003	<0.001	0.001	<0.001	0.005	0.03		135	<0.01	4	3	26	17	0.2	0.6	56
21031505-012	P4-18	16/03/2021	<0.02	0.02	<0.02	<0.001	<0.001	<0.00002	<0.001	0.001	<0.001	0.005	<0.00003	<0.001	<0.001	<0.001	<0.002	0.02	0.02	104	<0.01	3	2	130	17	0.3	0.02	193
21052071-004	P4-18	25/05/2021	<0.02	<0.02	<0.02	<0.001	<0.001	<0.00002	<0.001	0.002	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.03		152	<0.01	3	2	154	16	0.3	0.01	240
21080953-004	P4-18	26/07/2021	<0.02	<0.02	<0.02	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.03		133	<0.01	4	15	10	14	<0.1	<0.01	34
21110437-003	P4-18	21/10/2021	<0.02	<0.02	<0.02	<0.001	<0.001	0.00003	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	0.006	0.03		145	<0.01	4	3	46	14	0.3	<0.01	95
22020051-008	P4-18	21/01/2022	<0.02	<0.02	<0.02	<0.001	<0.001	<0.00002	<0.001	0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	0.002	0.02		136	<0.01	3	3	73	35	0.2	<0.01	89

Minimum			0.00	0.02	0.00	0.005	0.000	0.00002	0.000	0.001	0.000	0.002	0.0001	0.000	0.001	0.001	0.002	0.01	0.02	93	0.05	2	1	10	4	0.1	0.01	16
Maximum			0.00	0.73	0.00	0.005	0.000	0.00010	0.000	0.004	0.000	0.296	0.0001	0.000	0.001	0.001	0.184	0.16	0.09	218	1.34	5	15	173	36	0.3	0.60	358
Average			#DIV/0!	0.19	#DIV/0!	0.005	#DIV/0!	0.00004	#DIV/0!	0.002	#DIV/0!	0.069	0.0001	#DIV/0!	0.001	0.001	0.025	0.03	0.04	134	0.34	3	3	70	18	0.2	0.14	106
EQS			0.00	0.00	0.00	0.000	0.005	0.0050	0.000	0.000	0.000	0.050	0.0000	0.000	0.020	0.000	3.000	0.00	0.00	0	0.00	0	0	200	250	0.0	0.39	250
% of EQS								1%				138%	1100%		5%		1%							35%	7%		36%	42%
EX/1956341	P5-18	21/02/2019	< 0.02	<0.01	<0.01	<0.001	<0.001	<0.0001	<0.001	<0.001	<0.001	<0.002	<0.0001	<0.001	<0.001	<0.001	<0.002	0.02	0.05	128	0.2	3	4	10	14	0.2	<0.01	9
EX/1986270	P5-18	27/06/2019	< 0.02	0.06	<0.01	<0.001	<0.001	<0.0001	<0.001	<0.001	<0.001	<0.002	<0.0001	0.001	<0.001	<0.001	<0.002	0.03		110	0.14	2	2	5	20	0.2	0.05	2
EX/1994384	P5-18	31/07/2019	< 0.02	0.05	<0.01	<0.001	<0.001	<0.0001	<0.001	<0.001	<0.001	<0.002	<0.0001	<0.001	<0.001	<0.001	0.003	0.02		123	0.2	2	2	5	16	0.2	0.04	4
EX/1999668	P5-18	27/08/2019	< 0.02	0.44	<0.01	<0.001	<0.001	<0.0001	<0.001	0.001	<0.001	<0.002	<0.0001	<0.001	0.001	0.001	0.168	0.44	0.12	121	1.19	2	<1	8	20		0.36	5
EX/2006131	P5-18	25/09/2019	< 0.02	0.04	<0.01	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	0.001	0.007	0.02		131	0.03	2	1	7	12	0.2	0.03	4
EX/2016452	P5-18	30/10/2019	< 0.02	<0.01	<0.01	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	0.001	<0.002	0.02		145	<0.01	2	2	7	14	0.2	<0.01	5
EX/2022260	P5-18	28/11/2019	<0.02	0.3	<0.01	<0.001	<0.001	<0.00002	<0.001	0.002	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	0.003	0.02		113	<0.01	2	1		6	0.2	0.25	4
EX/2025553	P5-18	05/12/2019	<0.02	<0.01	<0.01	<0.001	<0.001	<0.00002	<0.001	0.002	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	0.006	0.02		130	<0.01	2	1	6	11	0.1	<0.01	3
EX/2032238	P5-18	07/01/2020	<0.02	0.02	<0.01	<0.001	<0.001	0.00002	<0.001	0.002	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	0.017	0.02		115	0.01	2	1	6	7	0.2	0.02	4
EX/2039759	P5-18	06/02/2020	<0.02	0.08	<0.01	<0.001	<0.001	<0.00002	<0.001	0.002	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	0.005	0.01		86	<0.01	2	<1	3	4	0.2	0.07	2
EX/2049331	P5-18	06/03/2020	<0.02	<0.01	<0.01	0.004	<0.001	<0.00002	<0.001	0.003	<0.001	<0.002	<0.00003	<0.001	0.001	<0.001	0.008	0.02		100	0.16	2	2	4	7	0.2	<0.01	3
EX/2053054	P5-18	02/04/2020	<0.02	0.04	<0.01	<0.001	<0.001	0.00003	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.02	0.01	106	<0.01	2	<1	3	7	0.2	0.03	4
20050413-005	P5-18	07/05/2020	<0.02	<0.02	<0.02	<0.001	<0.001	0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.02		116	<0.01	2	1	4	8	0.2	<0.01	3
20060241-005	P5-18	04/06/2020	<0.02	<0.02	<0.02	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.02		121	<0.01	2	1	4	11	0.1	<0.01	4
20070998-005	P5-18	16/07/2020	<0.02	0.1	<0.02	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.02	0.02	119	<0.01	2	1	5	11	0.2	0.08	5
20080791-005	P5-18	04/08/2020	<0.02	0.04	<0.02	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.02		122	<0.01	2	1	5	11	0.2	0.03	3
20091022-005	P5-18	09/09/2020	<0.02	<0.02	<0.02	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.02		127	<0.01	2	1	4	11	0.2	<0.01	3
20101461-005	P5-18	07/10/2020	<0.02	0.02	<0.02	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.02		123	0.01	2	1	6	10	0.2	0.02	4
20120112-005	P5-18	05/11/2020	<0.02	<0.02	<0.02	<0.001	<0.001	<0.00002	<0.001	0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.01		103	<0.01	1	<1	5	9	0.2	<0.01	6
20120780-001	P5-18	02/12/2020	<0.02	0.04	<0.02	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.02		125	<0.01	3	13	7	12	<0.1	0.03	19
21011010-005	P5-18	08/01/2021	<0.02	<0.02	<0.02	<0.001	<0.001	<0.00002	<0.001	0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.01		103	<0.01	2	<1	4	6	<0.1	<0.01	7
21020271-005	P5-18	01/02/2021	<0.02	0.04	<0.02	<0.001	<0.001	<0.00002	<0.001	0.002	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.01		90	<0.01	2	2	3	3	0.2	0.03	3
21031505-011	P5-18	16/03/2021	<0.02	<0.02	<0.02	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.01	<0.01	105	<0.01	2	<1	4	4	0.2	<0.01	5

21052071-005	P5-18	25/05/2021	<0.02	<0.02	<0.02	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.02		120	<0.01	2	<1	4	6	0.2	<0.01	2
21080953-005	P5-18	26/07/2021	<0.02	0.04	<0.02	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.02		131	<0.01	4	6	11	23	0.1	0.03	17
21110437-005	P5-18	21/10/2021	<0.02	<0.02	<0.02	<0.001	<0.001	0.00005	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	0.001	0.006	0.02		131	<0.01	2	1	4	9	0.2	<0.01	4
22020051-009	P5-18	21/01/2022	<0.02	0.02	<0.02	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.02		125	<0.01	2	<1	5	11	0.2	0.02	6
Minimum			0.00	0.02	0.00	0.004	0.000	0.00002	0.000	0.001	0.000	0.000	0.0000	0.001	0.001	0.001	0.003	0.01	0.01	86	0.01	1	1	3	3	0.1	0.02	2
Maximum			0.00	0.44	0.00	0.004	0.000	0.00005	0.000	0.003	0.000	0.000	0.0000	0.001	0.001	0.001	0.168	0.44	0.12	145	1.19	4	13	11	23	0.2	0.36	19
Average			#DIV/0!	0.09	#DIV/0!	0.004	#DIV/0!	0.00003	#DIV/0!	0.002	#DIV/0!	#DIV/0!	#DIV/0!	0.001	0.001	0.001	0.025	0.03	0.05	117	0.24	2	2	5	10	0.2	0.07	5
EQS			0.00	0.00	0.00	0.000	0.005	0.0050	0.000	0.000	0.000	0.050	0.0000	0.000	0.020	0.000	3.000	0.00	0.00	0	0.00	0	0	200	250	0.0	0.39	250
% of EQS								1%							5%		1%							3%	4%		19%	2%
EX/1956342	P6-18	21/02/2019	< 0.02	0.01	<0.01	<0.001	<0.001	<0.0001	<0.001	<0.001	<0.001	<0.002	<0.0001	<0.001	<0.001	<0.001	<0.002	0.03	0.04	136	0.2	5	11	9	56	<0.1	0.01	16
EX/1986271	P6-18	28/06/2019	< 0.02	0.02	<0.01	<0.001	<0.001	<0.0001	<0.001	<0.001	<0.001	<0.002	<0.0001	<0.001	<0.001	0.001	<0.002	0.03		128	0.17	3	26	8	15	<0.1	0.02	14
EX/1994385	P6-18	31/07/2019	< 0.02	0.01	<0.01	<0.001	<0.001	<0.0001	<0.001	<0.001	<0.001	<0.002	<0.0001	<0.001	<0.001	<0.001	0.002	0.03		125	0.21	3	20	9	15	<0.1	0.01	13
EX/1999669	P6-18	27/08/2019	< 0.02	0.29	<0.01	<0.001	<0.001	<0.0001	<0.001	0.001	<0.001	<0.002	<0.0001	<0.001	<0.001	<0.001	0.16	0.18	0.06	131	1.22	3	15	9	19		0.24	16
EX/2006132	P6-18	25/09/2019	< 0.02	0.05	<0.01	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	0.001	0.017	0.03		135	0.03	3	15	12	23	<0.1	0.04	17
EX/2016453	P6-18	30/10/2019	< 0.02	0.02	<0.01	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	0.003	0.03		149	<0.01	3	21	9	15	<0.1	0.02	13
EX/2022261	P6-18	28/11/2019	<0.02	0.34	<0.01	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.03		114	<0.01	3	18		16	<0.1	0.28	14
EX/2025554	P6-18	05/12/2019	<0.02	0.01	<0.01	<0.001	<0.001	<0.00002	<0.001	0.001	<0.001	0.018	<0.00003	<0.001	<0.001	<0.001	0.006	0.03		29	0.11	5	2	12	16	<0.1	0.01	14
EX/2032239	P6-18	07/01/2020	<0.02	0.04	<0.01	<0.001	<0.001	<0.00002	<0.001	0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	0.003	0.03		130	<0.01	3	15	9	13	<0.1	0.03	18
EX/2039760	P6-18	06/02/2020	<0.02	0.05	<0.01	<0.001	<0.001	0.00003	<0.001	0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	0.005	0.02		102	<0.01	2	9	5	9	<0.1	0.04	20
EX/2049332	P6-18	06/03/2020	<0.02	0.04	<0.01	0.004	<0.001	<0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.02		136	0.04	3	11	8	12	<0.1	0.03	19
EX/2053055	P6-18	02/04/2020	<0.02	0.07	<0.01	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.02	0.03	135	<0.01	3	10	7	12	<0.1	0.06	16
20050413-006	P6-18	07/05/2020	<0.02	<0.02	<0.02	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.02		129	<0.01	3	6	7	8	<0.1	<0.01	12
20060241-006	P6-18	04/06/2020	<0.02	<0.02	<0.02	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.02		128	<0.01	3	11	8	12	<0.1	0.01	14
20070998-006	P6-18	16/07/2020	<0.02	0.24	<0.02	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.02	0.04	130	<0.01	3	16	9	15	<0.1	0.2	17
20080791-006	P6-18	04/08/2020	<0.02	0.07	<0.02	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.03		135	<0.01	3	17	9	17	0.2	0.06	17
20091022-006	P6-18	09/09/2020	<0.02	<0.02	<0.02	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.02		135	<0.01	3	17	9	17	0.1	<0.01	18
20101461-006	P6-18	07/10/2020	<0.02	0.04	<0.02	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	0.001	<0.002	0.02		121	<0.01	3	15	11	19	<0.1	0.03	21
20120112-006	P6-18	05/11/2020	<0.02	<0.02	<0.02	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	0.001	<0.002	0.03		144	<0.01	3	16	12	20	<0.1	<0.01	20
20120780-002	P6-18	02/12/2020	<0.02	<0.02	<0.02	<0.001	<0.001	<0.00002	<0.001	0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.06		137	<0.01	3	6	14	24	0.1	<0.01	20
21011010-006	P6-18	08/01/2021	<0.02	<0.02	<0.02	<0.001	<0.001	0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.02		122	<0.01	3	13	7	12	<0.1	<0.01	18
21020271-006	P6-18	01/02/2021	<0.02	0.11	<0.02	<0.001	<0.001	<0.00002	<0.001	0.002	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.02		130	<0.01	3	12	8	13	<0.2	0.09	16
21031505-010	P6-18	16/03/2021	<0.02	0.02	<0.02	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.02	0.03	107	<0.01	3	12	8	11	<0.1	0.02	18
21052071-006	P6-18	25/05/2021	<0.02	<0.02	<0.02	<0.001	<0.001	<0.00002	0.01	0.001	<0.001	<0.002	<0.00003	<0.001	0.003	<0.001	<0.002	0.02		123	<0.01	3	11	8	11	0.2	0.01	22
21080953-006	P6-18	26/07/2021	<0.02	0.12	<0.02	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	0.001	<0.001	0.003	0.02		127	<0.01	3	7	51	9	0.2	0.1	66
21110437-004	P6-18	21/10/2021	<0.02	<0.02	<0.02	<0.001	<0.001	0.00004	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	0.007	0.03		156	<0.01	4	16	11	21	0.1	<0.01	34
22020051-001	P6-18	21/01/2022	<0.02	<0.02	<0.02	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.03		160	<0.01	4	17	11	14	<0.1	<0.01	47
Minimum			0.00	0.01	0.00	0.004	0.000	0.00002	0.010	0.001	0.000	0.018	0.0000	0.000	0.001	0.001	0.002	0.02	0.03	29	0.03	2	2	5	8	0.1	0.01	12
Maximum			0.00	0.34	0.00	0.004	0.000	0.00004	0.010	0.002	0.000	0.018	0.0000	0.000	0.003	0.001	0.160	0.18	0.06	160	1.22	5	26	51	56	0.2	0.28	66
Average			#DIV/0!	0.09	#DIV/0!	0.004	#DIV/0!	0.00003	0.010	0.001	#DIV/0!	0.018	#DIV/0!	#DIV/0!	0.002	0.001	0.023	0.03	0.04	127	0.28	3	14	11	16	0.2	0.07	20
EQS			0.00	0.00	0.00	0.000	0.005	0.0050	0.000	0.000	0.000	0.050	0.0000	0.000	0.020	0.000	3.000	0.00	0.00	0	0.00	0	0	200	250	0.0	0.39	250
% of EQS								1%				36%			10%		1%							5%	7%		17%	8%

EX/1956572	P7-18	21/02/2019	< 0.02	<0.01	<0.01	<0.001	<0.001	<0.0001	<0.001	0.002	<0.001	<0.002	<0.0001	<0.001	<0.001	0.003	<0.002	0.09	0.02	106	0.18	5	2	10	16	0.2	<0.01	12
EX/1975981	P7-18	08/05/2019	< 0.04	0.12	<0.01	<0.001	<0.001	<0.0001	<0.001	0.001	<0.001	<0.002	<0.0001	<0.001	<0.001	<0.001	<0.002	0.06		130	0.18	10	4	21	55	0.4	0.1	30
EX/1986272	P7-18	28/06/2019	< 0.02	0.02	<0.01	<0.001	<0.001	<0.0001	<0.001	<0.001	<0.001	<0.002	<0.0001	<0.001	<0.001	<0.001	<0.002	0.03		145	0.18	4	11	22	31	<0.1	0.02	30
EX/1994349	P7-18	31/07/2019	< 0.02	0.01	<0.01	<0.001	<0.001	<0.0001	<0.001	<0.001	<0.001	<0.002	<0.0001	<0.001	<0.001	<0.001	<0.002	0.03		137	0.21	4	8	17	30		0.01	23
EX/1999670	P7-18	27/08/2019	< 0.02	0.19	<0.01	<0.001	<0.001	<0.0001	<0.001	0.001	<0.001	<0.002	<0.0001	<0.001	<0.001	<0.001	0.171	0.33	0.09	131	1.22	4	6	16	30		0.16	23
EX/2006139	P7-18	25/09/2019	< 0.02	0.02	<0.01	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	0.004	0.04		138	0.03	3	8	16	29	0.1	0.02	16
EX/2016454	P7-18	30/10/2019	< 0.02	0.05	<0.01	<0.001	<0.001	<0.00002	<0.001	0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	0.003	0.05		162	<0.01	4	8	18	27	0.1	0.04	18
EX/2022262	P7-18	28/11/2019	<0.02	0.39	<0.01	<0.001	<0.001	0.00003	<0.001	0.002	<0.001	<0.002	<0.00003	<0.001	0.001	<0.001	0.007	0.11		154	<0.01	4	6		22	0.1	0.32	27
EX/2025555	P7-18	05/12/2019	<0.02	<0.01	<0.01	<0.001	<0.001	<0.00002	<0.001	0.003	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	0.008	0.1		167	<0.01	4	6	23	28	0.1	<0.01	33
EX/2032240	P7-18	07/01/2020	<0.02	0.07	<0.01	<0.001	<0.001	0.00003	<0.001	0.002	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	0.007	0.07		154	<0.01	4	7	22	28	0.1	0.06	36
EX/2039761	P7-18	06/02/2020	<0.02	0.02	<0.01	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	0.004	0.07		178	<0.01	4	6	20	31	0.1	0.02	58
EX/2049333	P7-18	06/03/2020	<0.02	0.06	<0.01	0.005	<0.001	<0.00002	<0.001	0.002	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.08		172	<0.01	4	5	17	21	0.1	0.05	50
EX/2053056	P7-18	02/04/2020	<0.02	0.08	<0.01	<0.001	<0.001	<0.00002	<0.001	0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.04	0.05	140	<0.01	4	6	14	27	0.1	0.07	27
20050413-007	P7-18	07/05/2020	<0.02	0.06	<0.02	<0.001	<0.001	0.00002	<0.001	0.002	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	0.005	0.02		135	<0.01	4	7	10	20	<0.1	0.05	11
20060241-007	P7-18	04/06/2020	<0.02	0.04	<0.02	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.02		135	<0.01	4	7	10	21	<0.1	0.03	11
20070998-007	P7-18	16/07/2020	<0.02	0.06	<0.02	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.02	0.04	137	<0.01	4	7	9	19	<0.1	0.05	16
20080791-007	P7-18	04/08/2020	<0.02	0.11	<0.02	<0.001	<0.001	<0.00002	<0.001	0.002	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.08		143	<0.01	4	8	19	29	<0.1	0.09	30
20091022-007	P7-18	09/09/2020	<0.02	<0.02	<0.02	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.07		147	0.01	4	8	18	28	0.1	<0.01	24
20101461-007	P7-18	07/10/2020	<0.02	0.04	<0.02	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.02		134	<0.01	3	6	11	24	<0.1	0.03	14
20120112-007	P7-18	05/11/2020	<0.02	<0.02	<0.02	<0.001	<0.001	<0.00002	<0.001	0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.03		148	<0.01	4	6	15	29	<0.1	<0.01	26
20120780-003	P7-18	02/12/2020	<0.02	0.04	<0.02	<0.001	<0.001	<0.00002	<0.001	0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	0.002	0.02		112	<0.01	2	5	74	16	0.1	0.03	76
21011010-007	P7-18	08/01/2021	<0.02	<0.02	<0.02	<0.001	<0.001	0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	0.002	0.06		139	<0.01	3	5	14	22	0.1	<0.01	23
21020271-007	P7-18	01/02/2021	<0.02	<0.02	<0.02	<0.001	<0.001	<0.00002	<0.001	0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.06		150	<0.01	4	5	15	21	0.2	0.01	22
21031505-009	P7-18	16/03/2021	<0.02	0.02	<0.02	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.05	0.04	151	<0.01	4	6	18	24	0.1	0.02	41
21052071-007	P7-18	25/05/2021	<0.02	<0.02	<0.02	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.05		144	<0.01	4	6	17	24	0.2	0.01	36
21080953-007	P7-18	26/07/2021	<0.02	0.02	<0.02	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.02		126	<0.01	2	2	5	11	<0.1	0.02	3
21110437-011	P7-18	21/10/2021	<0.02	<0.02	<0.02	<0.001	<0.001	0.00004	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	0.008	0.03		145	<0.01	4	5	11	28	0.2	<0.01	18
22020051-002	P7-18	21/01/2022	<0.02	<0.02	<0.02	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.05		152	<0.01	4	12	17	29	0.1	<0.01	30
Minimum			0.00	0.01	0.00	0.005	0.000	0.00002	0.000	0.001	0.000	0.000	0.0000	0.000	0.001	0.003	0.002	0.02	0.02	106	0.01	2	2	5	11	0.1	0.01	3
Maximum			0.00	0.39	0.00	0.005	0.000	0.00004	0.000	0.003	0.000	0.000	0.0000	0.000	0.001	0.003	0.171	0.33	0.09	178	1.22	10	12	74	55	0.4	0.32	76
Average			#DIV/0!	0.07	#DIV/0!	0.005	#DIV/0!	0.00003	#DIV/0!	0.002	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0.001	0.003	0.020	0.06	0.05	143	0.29	4	6	18	26	0.1	0.06	27
EQS			0.00	0.00	0.00	0.000	0.005	0.0050	0.000	0.000	0.000	0.050	0.0000	0.000	0.020	0.000	3.000	0.00	0.00	0	0.00	0	0	200	250	0.0	0.39	250
% of EQS								1%							5%		1%							9%	10%		15%	11%

EX/1956573	P8-18	21/02/2019	< 0.02	<0.01	<0.01	<0.001	<0.001	<0.0001	<0.001	<0.001	0.001	0.011	<0.0001	<0.001	<0.001	<0.001	<0.002	0.03	0.1	122	0.18	5	6	92	34	0.1	<0.01	105
EX/1975982	P8-18	08/05/2019	< 0.04	0.02	<0.01	<0.001	<0.001	<0.0001	<0.001	<0.001	<0.001	<0.002	<0.0001	<0.001	<0.001	<0.001	0.002	0.03		99	0.15	4	5	105	22	0.2	0.02	56
EX/1986273	P8-18	28/06/2019	< 0.02	0.02	<0.01	<0.001	<0.001	<0.0001	<0.001	<0.001	<0.001	0.004	<0.0001	<0.001	<0.001	<0.001	<0.002	0.02		104	0.16	4	6	108	23	0.2	0.02	66
EX/1994348	P8-18	31/07/2019	< 0.02	0.02	<0.01	<0.001	<0.001	<0.0001	<0.001	<0.001	<0.001	<0.002	<0.0001	<0.001	<0.001	<0.001	0.007	0.02		91	0.17	3	6	98	18		0.02	65
EX/1999671	P8-18	27/08/2019	< 0.02	0.79	<0.01	<0.001	<0.001	<0.0001	<0.001	0.002	<0.001	0.015	<0.0001	<0.001	0.001	<0.001	0.181	0.16	0.38	91	1.09	3	6	94	18		0.65	70
EX/2006138	P8-18	26/09/2019	< 0.02	0.02	<0.01	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	0.005	0.03		109	0.03	3	8	90	25	0.2	0.02	67
EX/2016455	P8-18	30/10/2019	< 0.02	0.02	<0.01	<0.001	<0.001	0.00003	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.03		110	<0.01	3	7	104	16	0.2	0.02	64
EX/2022263	P8-18	28/11/2019	<0.02	0.58	<0.01	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	0.002	<0.002	0.02		121	<0.01	3	2		12	0.1	0.48	41
EX/2025556	P8-18	05/12/2019	<0.02	0.05	<0.01	<0.001	<0.001	0.00002	<0.001	0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	0.001	<0.002	0.02		121	<0.01	3	2	45	12	0.1	0.04	41
EX/2032241	P8-18	07/01/2020	<0.02	0.1	<0.01	<0.001	<0.001	<0.00002	<0.001	0.002	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	0.002	0.02		93	<0.01	2	6	74	11	0.2	0.08	42
EX/2039762	P8-18	06/02/2020	<0.02	0.05	<0.01	<0.001	<0.001	0.00011	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.01		74	<0.01	2	3	35	7	0.1	0.04	32
EX/2049334	P8-18	06/03/2020	<0.02	0.02	<0.01	0.005	<0.001	<0.00002	<0.001	0.002	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.02		105	<0.01	2	3	26	8	0.1	0.02	27
EX/2053057	P8-18	02/04/2020	<0.02	0.13	<0.01	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.02	0.21	112	<0.01	2	4	19	8	0.1	0.11	26
20050413-008	P8-18	07/05/2020	<0.02	0.05	<0.02	<0.001	<0.001	0.00003	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	0.03	0.19		116	0.24	2	3	23	12	0.1	0.04	21
20060241-008	P8-18	04/06/2020	<0.02	0.09	<0.02	<0.001	<0.001	<0.00002	<0.001	0.001	<0.001	0.029	<0.00003	<0.001	<0.001	<0.001	0.009	0.02		118	<0.01	2	2	17	6	0.1	0.07	18

20070998-008	P8-18	16/07/2020	<0.02	0.3	<0.02	<0.001	<0.001	<0.00002	<0.001	0.002	<0.001	0.032	<0.00003	<0.001	0.001	<0.001	0.007	0.02	0.25	122	<0.01	3	5	20	7	0.1	0.25	28
20080791-008	P8-18	04/08/2020	<0.02	0.17	<0.02	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.03		122	<0.01	3	7	23	8	0.1	0.14	33
20091022-008	P8-18	09/09/2020	<0.02	<0.02	<0.02	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.03		125	0.01	3	8	47	15	0.2	<0.01	57
20101461-008	P8-18	07/10/2020	<0.02	0.02	<0.02	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.03		112	0.01	3	8	82	32	0.2	0.02	75
20120112-008	P8-18	05/11/2020	<0.02	<0.02	<0.02	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.03		140	0.01	4	9	92	35	0.1	<0.01	79
20120780-004	P8-18	02/12/2020	<0.02	0.06	<0.02	<0.001	<0.001	<0.00002	<0.001	0.002	<0.001	0.033	<0.00003	<0.001	<0.001	<0.001	0.006	0.03		136	<0.01	3	12	76	30	0.2	0.05	111
21011010-008	P8-18	08/01/2021	<0.02	0.04	<0.02	<0.001	<0.001	0.00003	<0.001	0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	0.005	0.02		99	<0.01	2	3	63	11	0.1	0.03	52
21020271-008	P8-18	01/02/2021	<0.02	0.02	<0.02	<0.001	<0.001	<0.00002	<0.001	0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.02		93	<0.01	2	4	66	13	0.2	0.02	40
21031505-007	P8-18	16/03/2021	<0.02	<0.02	<0.02	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	0.007	0.02	0.16	91	<0.01	2	4	51	9	0.2	<0.01	30
21052071-008	P8-18	25/05/2021	<0.02	0.05	<0.02	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.02		96	<0.01	2	5	37	8	0.2	0.04	35
21080953-008	P8-18	26/07/2021	<0.02	0.12	<0.02	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.03		128	<0.01	3	17	9	14	0.2	0.1	35
21110437-012	P8-18	21/10/2021	<0.02	<0.02	<0.02	<0.001	<0.001	0.00005	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	0.008	0.03		124	<0.01	3	8	85	31	0.2	0.01	63
22020051-003	P8-18	27/01/2022	<0.02	0.05	<0.02	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.02		112	<0.01	3	9	105	21	0.2	0.04	76
Minimum			0.00	0.02	0.00	0.005	0.000	0.00002	0.000	0.001	0.001	0.004	0.0000	0.000	0.001	0.001	0.002	0.01	0.10	74	0.01	2	2	9	6	0.1	0.01	18
Maximum			0.00	0.79	0.00	0.005	0.000	0.00011	0.000	0.002	0.001	0.033	0.0000	0.000	0.001	0.002	0.181	0.19	0.38	140	1.09	5	17	108	35	0.2	0.65	111
Average			#DIV/0!	0.12	#DIV/0!	0.005	#DIV/0!	0.00005	#DIV/0!	0.002	0.001	0.021	#DIV/0!	#DIV/0!	0.001	0.002	0.022	0.03	0.22	110	0.21	3	6	62	17	0.2	0.10	52
EQS			0.00	0.00	0.00	0.000	0.005	0.0050	0.000	0.000	0.000	0.050	0.0000	0.000	0.020	0.000	3.000	0.00	0.00	0	0.00	0	0	200	250	0.0	0.39	250
% of EQS								1%				41%			5%		1%							31%	7%		25%	21%
EX/1956571	P9-18	21/02/2019	< 0.02	0.05	<0.01	<0.001	<0.001	<0.0001	<0.001	0.001	<0.001	<0.002	<0.0001	<0.001	<0.001	0.002	<0.002	0.04	0.06	167	0.21	4	7	107	45	0.2	0.04	162
EX/1975983	P9-18	08/05/2019	< 0.04	0.1	<0.01	<0.001	<0.001	<0.0001	<0.001	0.002	<0.001	0.008	<0.0001	<0.001	0.001	0.002	0.016	0.03		165	0.2	4	8	123	48	0.2	0.08	144
EX/1986265	P9-18	27/06/2019	< 0.02	0.07	<0.01	<0.001	<0.001	<0.0001	<0.001	0.001	<0.001	0.002	<0.0001	<0.001	<0.001	0.001	<0.002	0.03		152	0.19	3	8	87	35	0.2	0.06	108
EX/1994378	P9-18	31/07/2019	< 0.02	0.11	<0.01	<0.001	<0.001	<0.0001	<0.001	0.002	<0.001	0.019	<0.0001	<0.001	0.001	<0.001	0.007	0.03		160	0.23	4	6	65	36	0.2	0.09	91
EX/1999672	P9-18	27/08/2019	< 0.02	0.5	<0.01	<0.001	<0.001	<0.0001	<0.001	0.001	<0.001	0.098	<0.0001	<0.001	0.001	<0.001	0.19	0.16	0.13	149	1.27	4	5	58	32		0.41	99
EX/2006135	P9-18	25/09/2019	< 0.02	0.1	<0.01	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	0.177	<0.00003	<0.001	0.001	<0.001	0.011	0.04		159	0.03	4	5	60	34	0.2	0.08	94
EX/2016456	P9-18	30/10/2019	< 0.02	0.02	<0.01	<0.001	<0.001	0.00003	<0.001	0.002	<0.001	0.079	<0.00003	<0.001	0.001	0.001	0.003	0.03		183	<0.01	4	6	53	47	0.2	0.02	51
EX/2022264	P9-18	28/11/2019	<0.02	0.13	<0.01	<0.001	<0.001	0.00003	<0.001	0.003	<0.001	0.005	<0.00003	<0.001	0.002	<0.001	0.012	0.03		170	<0.01	3	6		47	0.2	0.11	24
EX/2025557	P9-18	05/12/2019	<0.02	0.06	<0.01	<0.001	<0.001	0.00002	<0.001	0.002	<0.001	0.005	<0.00003	<0.001	0.001	<0.001	0.003	0.03		169	<0.01	3	7	29	47	0.2	0.05	24
EX/2032242	P9-18	07/01/2020	<0.02	0.06	<0.01	<0.001	<0.001	0.00004	<0.001	0.002	<0.001	<0.002	<0.00003	<0.001	0.001	<0.001	0.003	0.03		155	<0.01	3	18	19	41	0.2	0.05	24
EX/2039763	P9-18	06/02/2020	<0.02	0.04	<0.01	<0.001	<0.001	<0.00002	<0.001	0.002	<0.001	0.008	<0.00003	<0.001	<0.001	<0.001	<0.002	0.03		150	<0.01	3	17	15	39	0.2	0.03	31
EX/2049335	P9-18	06/03/2020	<0.02	<0.01	<0.01	0.006	<0.001	<0.00002	<0.001	0.003	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.03		126	<0.01	2	20	15	31	0.2	<0.01	25
EX/2053058	P9-18	02/04/2020	<0.02	0.15	<0.01	<0.001	<0.001	0.00003	<0.001	0.002	<0.001	0.003	<0.00003	<0.001	0.001	<0.001	<0.002	0.03	0.05	128	<0.01	3	21	20	35	0.2	0.12	36
20050413-009	P9-18	07/05/2020	<0.02	0.12	<0.02	<0.001	<0.001	0.00003	<0.001	0.002	<0.001	<0.002	<0.00003	<0.001	0.001	<0.001	<0.002	0.04		146	<0.01	3	33	38	23	0.2	0.1	80
20060241-009	P9-18	04/06/2020	<0.02	0.05	<0.02	<0.001	<0.001	<0.00002	<0.001	0.002	<0.001	<0.002	<0.00003	<0.001	<0.001	0.001	0.003	0.03		151	<0.01	3	31	92	33	0.2	0.04	69
20070998-009	P9-18	16/07/2020	<0.02	0.24	<0.02	<0.001	<0.001	<0.00002	<0.001	0.002	<0.001	0.003	<0.00003	<0.001	0.001	<0.001	<0.002	0.04	0.08	148	<0.01	4	18	64	28	0.2	0.2	80
20080791-009	P9-18	04/08/2020	<0.02	0.24	<0.02	<0.001	<0.001	<0.00002	<0.001	0.001	<0.001	0.024	<0.00003	<0.001	0.001	<0.001	<0.002	0.04		155	<0.01	4	14	62	30	0.2	0.2	86
20091022-009	P9-18	09/09/2020	<0.02	0.16	<0.02	<0.001	<0.001	<0.00002	<0.001	0.001	<0.001	0.026	<0.00003	<0.001	0.001	<0.001	<0.002	0.03		135	<0.01	3	11	54	28	0.3	0.13	73
20101461-009	P9-18	07/10/2020	<0.02	0.1	<0.02	<0.001	<0.001	<0.00002	<0.001	0.002	<0.001	<0.002	<0.00003	<0.001	<0.001	0.002	<0.002	0.03		152	<0.01	3	16	55	29	0.2	0.08	87
20120112-009	P9-18	05/11/2020	<0.02	<0.02	<0.02	<0.001	<0.001	<0.00002	<0.001	0.002	<0.001	<0.002	<0.00003	<0.001	<0.001	0.001	<0.002	0.03		159	<0.01	3	16	64	33	0.2	<0.01	84
20120780-005	P9-18	02/12/2020	<0.02	<0.02	<0.02	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.02		137	<0.01	2	1	21	30	0.2	<0.01	26
21011010-009	P9-18	08/01/2021	<0.02	0.04	<0.02	<0.001	<0.001	0.00002	<0.001	0.002	<0.001	<0.002	<0.00003	<0.001	0.001	<0.001	0.003	0.03		143	<0.01	3	10	46	48	0.2	0.03	47
21020271-009	P9-18	01/02/2021	<0.02	<0.02	<0.02	<0.001	<0.001	<0.00002	<0.001	0.002	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.03		167	<0.01	3	9	31	55	0.2	0.01	32
21031505-008	P9-18	16/03/2021	<0.02	<0.02	<0.02	<0.001	<0.001	<0.00002	<0.001	0.001	<0.001	0.003	<0.00003	<0.001	<0.001	<0.001	<0.002	0.03	0.04	138	<0.01	3	11	47	42	0.2	<0.01	72
21052080-001	P9-18	25/05/2021	<0.02	0.04	<0.02	<0.001	<0.001	<0.00002	<0.001	0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	0.002	<0.002	0.03		115	<0.01	4	12	75	39	0.3	0.03	96
21080953-009	P9-18	26/07/2021	<0.02	0.02	<0.02	<0.001	<0.001	<0.00002	<0.001	<0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.04		140	<0.01	4	6	13	25	0.1	0.02	20
21110437-008	P9-18	21/10/2021	<0.02	<0.02	<0.02	<0.001	<0.001	0.00005	<0.001	<0.001	<0.001	0.002	<0.00003	<0.001	<0.001	0.002	0.009	0.03		146	<0.01	3	8	65	38	0.3	<0.01	73
22020051-004	P9-18	27/01/2022	<0.02	<0.02	<0.02	<0.001	<0.001	<0.00002	<0.001	0.001	<0.001	<0.002	<0.00003	<0.001	<0.001	<0.001	<0.002	0.03		164	<0.01	4	10	94	43	0.2	<0.01	108
Minimum			0.00	0.02	0.00	0.006	0.000	0.00002	0.000	0.001	0.000	0.002	0.0000	0.000	0.001	0.001	0.003	0.02	0.04	115	0.03	2	1	13	23	0.1	0.01	20
Maximum			0.00	0.50	0.00	0.006	0.000	0.00005	0.000	0.003	0.000	0.177	0.0000	0.000	0.002	0.002	0.190	0.16	0.13	183	1.27	4	33	123	55	0.3	0.41	162
Average			#DIV/0!	0.11	#DIV/0!	0.006	#DIV/0!	0.00003	#DIV/0!	0.002	#DIV/0!	0.031	#DIV/0!	#DIV/0!	0.001	0.002	0.024	0.04	0.07	151	0.36	3	12	55	37	0.2	0.09	70
EQS			0.00	0.00	0.00	0.000	0.005	0.0050	0.000	0.000	0.000	0.050	0.0000	0.000	0.020	0.000	3.000	0.00	0.00	0	0.00	0	0	200	250	0.0	0.39	250
% of EQS								1%				62%			5%		1%							27%	15%		23%	28%

Analyte:	Nitrate as N	Nitrite as N	Phosphate as P	Total Oxidised Nitrogen as N	Total PAH (Sum of USEPA 16)	Phenol	Total Phenols	Orthophosphate as PO4	Total Sulphur as S (Dissolved) a	Cyanide (Total) as CN	TPH GC	Suspended Solids w	Chemical Oxygen Demand (Settled)	Bicarbonate Alkalinity as CaCO3 w	Carbonate Alkalinity as CaCO3 w	Total Alkalinity as CaCO3 w	Total Organic Carbon w	Total Acidity as CaCO3 w	Conductivity uS/cm @ 25C w	Biochemical Oxygen Demand w	pH units w	
Method Code:	KONENS	KONENS	KONENS	KONENS	PAHMSW	PHEHPLCUV	PHEHPLCUV	PO4CALC	SCALCD	SFAPI	TPHFID	WSLM10	WSLM11	WSLM12	WSLM12	WSLM12	WSLM13	WSLM17	WSLM2	WSLM20	WSLM3	
Units:	mg/l	mg/l	mg/l	mg/l	ug/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	uS/cm	mg/l	pH units	
Sample date																						
21/02/2019	18	<0.01	0.02	18	< 0.16	<0.05	<0.20	0.06	12.3	<0.02	0.024	562	<5	213	0	213	1.6	Nil	830	<2.0	7.5	
26/09/2019	17.7	0.04	<0.01			<0.05	<0.2	<0.03				<5	7	249	20	269	3		784	<1.0	7.8	
31/10/2019	14.7	<0.01	<0.01			<0.05	<0.20	<0.03				20	17	232	8	240	4.4		653	<1.0	7.8	
28/11/2019	5.7	0.05	0.02			<0.05	<0.20	0.06				7	15	231	0	231	5.9		581	1.5	7.8	
05/12/2019	8.6	0.02	0.02			<0.05	<0.2	0.06				<5	11	275	0	275	4.5		725	<1.0	7.7	
07/01/2020	21	0.01	<0.01			<0.0005		<0.03				5	<5	232	0	232	1.5		678	2.3	7.4	
06/02/2020	19.8	0.02	<0.01			<0.0005		<0.03				133	7	229	0	229	1.5		710	10.9	7.9	
06/03/2020	3.2	0.05	0.01			<0.0005		0.03				82	12	165	0	165	3.7		459	<2.9	7.9	
02/04/2020	11.9	<0.01	<0.01	11.9	< 0.16	<0.05	<0.2	<0.03	11.6	<0.02	0.013	<5	6	266	0	266	2.4	2	698	<2.0	7.5	
07/05/2020	12.5	0.18				<0.05	<0.20	0.06				11	7	274	Nil	274	2.2		742	<1.4	7.6	
04/06/2020	6	0.82				<0.05	<0.20	<0.03				305	10	296	Nil	296	3.5		749	23	7.4	
07/10/2020	22.3	0.02				<0.05	<0.20	0.11				<5	7	206	Nil	206	2.6		717	<1.0	7.7	
05/11/2020	20.6	0.01				<0.05	<0.20	<0.03				<5	<5	208	Nil	208	1.3		648	<1.0	7.5	
02/12/2020	11	0.05				<0.05	<0.20	0.04				<5	7	247	21.7	268.7	2		844	<1.0	7.9	
08/01/2021	11.2	0.11				<0.05	<0.20	<0.03				85	10	234	Nil	234	2.9		725	<1.0	7.2	
01/02/2021	10.6	0.02				<0.05	<0.20	<0.03				441	8	246	Nil	246	2.7		685	3.3	7.9	
16/03/2021	14.3	<0.01		14.3	<0.16	<0.05	<0.20	<0.03	8	<0.02	<0.01	97	<5	216	Nil	216	1.1	Nil	637	<2.0	7.7	
25/05/2021	15.4	<0.01				<0.05	<0.20	<0.03				46	5	226	Nil	226	1.1		642	<1.0	8.1	
30/07/2021	<0.2	0.12				<0.05	<0.20	0.08				<5	18	205	Nil	205	7.4		464	1.2	7.9	
21/10/2021	14.4	0.04				<0.05	<0.20	0.04				171	6	206	9.7	215.7	2.8		611	<1.0	7.8	
	3.2	0.01	0.01	11.9	0.00	0.00	0.00	0.03	8.0	0.00	0.013	5	5	165	0	165	1.1	2	459	1.2	7.2	SW1
	22.3	0.82	0.02	18.0	0.00	0.00	0.00	0.11	12.3	0.00	0.024	562	18	296	22	296	7.4	2	844	23.0	8.1	SW1
	13.6	0.10	0.02	14.7	#DIV/0!	#DIV/0!	#DIV/0!	0.06	10.6	#DIV/0!	0.019	151	9.5625	233	5	236	2.9	2	679	7.0	7.7	SW1
	50.0	0.50																	2500			
	27%	21%																	27%			

21/02/2019	18.1	0.06	0.03	18.2	< 0.16	<0.05	<0.20	0.09	9.99	<0.02	0.034	45	<5	258	0	258	1.7	Nil	870	<2.0	7.9	
08/05/2019	11.2	<0.01	<0.01			<0.05	<0.20	<0.03				214	8	255		0	2.9	255	799	<2.0	7.7	
28/06/2019	25	0.03	0.02			<0.05	<0.20	0.06				7	7	268	0	268	2.2		762	<1.0	8.2	
26/09/2019	17.3	0.09	<0.01			<0.05	<0.2	<0.03				<5	7	244	14	258	3		783	<1.0	7.6	
31/10/2019	14.6	<0.01	<0.01			<0.05	<0.20	<0.03				21	13	218	0	218	4.4		651	<1.0	7.8	
28/11/2019	12.1	0.03	0.03			<0.05	<0.20	0.09				12	8	270	0	270	3.4		771	<1.0	7.7	
05/12/2019	13.6	0.03	0.03			<0.05	<0.2	0.09				7	<5	280	0	280	2		852	1.1	7.8	
07/01/2020	12.4	0.02	0.01			<0.0005		0.03				<5	<5	290	0	290	2.3		753	<1.0	7.6	
06/02/2020	12.6	<0.01	<0.01			<0.0005		<0.03				6	6	278	0	278	1.9		760	2	8.1	
06/03/2020	9.1	0.04	0.03			<0.0005		0.09				8	8	305	0	305	2.2		763	<1.0	7.7	
02/04/2020	9.5	0.04	<0.01	9.6	< 0.17	<0.05	<0.2	<0.03	9.6	<0.02	0.039	14	<5	273	8	281	1.9	Nil	600	1.3	7.6	
07/05/2020	10.2	0.07				<0.05	<0.20	<0.03				<5	7	293	Nil	293	1.5		887	<1.4	7.8	
04/06/2020	9.4	<0.01				<0.05	<0.20	<0.03				7	<5	272	Nil	272	1.8		686	<1.4	7.9	
16/07/2020	10.6	<0.01	<0.03	10.6	<0.16	<0.05	<0.20		8	<0.02	<0.01	47	5	248	Nil	248	1.3	Nil	630	<1.4	7.7	
04/08/2020	9.9	<0.01				<0.05	<0.20	<0.03				46	<5	138	Nil	138	2.1		449	<1.4	7.7	
09/09/2020	10	<0.01				<0.05	<0.20	<0.03				20	<5	261	Nil	261	1.8		650	<1.4	7.8	
07/10/2020	3.6	<0.01				<0.05	<0.20	0.05				10	10	261	Nil	261	2.8		718	<1.0	7.8	
05/11/2020	11.6	0.45				<0.05	<0.20	0.06				261	7	282	Nil	282	2.8		722	<1.0	7.3	
02/12/2020	5.1	0.02				<0.05	<0.20	0.03				<5	9	261	19.7	280.7	3		651	<1.0	7.9	
08/01/2021	11.7	0.06				<0.05	<0.20	0.84				5	<5	276	Nil	276	1.5		806	<1.0	7.7	
01/02/2021	11.5	0.01				<0.05	<0.20	<0.03				<5	6	248	Nil	248	2.7		702	<1.0	7.9	
16/03/2021	12.2	<0.01		12.2	<0.18	<0.05	<0.20	0.05	10	<0.02	0.02	14	5	263	Nil	263	1.6	Nil	838	1.1	8	
15/04/2021	6.7	0.07				<0.05	<0.05	<0.05				<5	7	263	20.1	283.1	1.5		1190	<1.0		
25/05/2021	13.9	<0.01				<0.05	<0.20	<0.03				212	8	233	Nil	233	2.6		778	<1.0	8.1	
30/07/2021	<0.2	0.1				<0.05	<0.20	0.08				8	22	209	Nil	209	7.4		464	<1.0	8	
21/10/2021	14.6	0.04				<0.05	<0.20	0.06				43	6	219	13.2	219	2.7		623	<1.0	7.8	
21/01/2022	10.8	0.11				<0.05	<0.20	<0.03				8	<5	266	Nil	266	1.3		944	<1.0	8.2	
	3.6	0.01	0.01	9.6	0.00	0.00	0.00	0.03	8.0	0.00	0.020	5	5	138	0	0	1.3	255	449	1.1	7.3	SW2
	25.0	0.45	0.03	18.2	0.00	0.00	0.00	0.84	10.0	0.00	0.039	261	22	305	20	305	7.4	255	1190	2.0	8.2	SW2
	11.8	0.07	0.03	12.7	#DIV/0!	#DIV/0!	#DIV/0!	0.12	9.4	#DIV/0!	0.031	48	8.277778	257	6	250	2.5	255	745	1.4	7.8	SW2
	50.0	0.50	0.00	0.0	0.00	0.00	0.00	0.00	0.0	0.00	0.000	0	0	0	0	0	0.0	0	2500	0.0	0.0	
	24%	15%																	30%			
21/02/2019	14.9	0.02	0.03	15	< 0.16	<0.05	<0.20	0.09	8.99	<0.02	0.039	47	8	255	0	255	3	Nil	686	<2.0	7.8	
31/10/2019	5.9	0.01	<0.01			<0.05	<0.20	<0.03				5	12	215	10	225	3.7		563	<1.0	8	
28/11/2019	6.1	0.12	0.07			<0.05	<0.20	0.21				16	10	238	0	238	3.9		582	4.3	7.8	
05/12/2019	5.9	0.03	0.01			<0.05	<0.2	0.03				22	7	197	0	197	3.2		522	<2.9	7.8	
07/01/2020	5.4	0.02	<0.01			<0.0005		<0.03				<5	7	279	0	279	2.9		703	<2.9	7.5	
06/02/2020	6.3	<0.01	<0.01			<0.0005		<0.03				42	5	284	0	284	2.3		698	<2.0	8.1	
06/03/2020	5.5	0.1	0.02			<0.0005		0.06				<5	10	253	0	253	2.1		533	<1.0	7.8	
02/04/2020	5.2	0.01	<0.01	5.2	< 0.16	<0.05	<0.2	<0.03	8	<0.02	< 0.010	8	7	271	6	277	2.7	Nil	823	<1.0	7.5	
07/05/2020	1.2	0.08				<0.05	<0.20	0.05				<5	8	307	Nil	307	2.9		653	<1.4	7.9	
07/10/2020	0.4	<0.01				<0.05	<0.20	0.04				<5	15	294	Nil	294	5.1		654	<1.0	7.8	
05/11/2020	2.8	0.02				<0.05	<0.20	<0.03				16	8	284	13.3	297.3	3.5		646	<1.0	7.6	
02/12/2020	<0.2	<0.01				<0.05	<0.20	1.35				<5	42	489	Nil	489	16		936	3.1	7.7	
08/01/2021	5.7	0.03				<0.05	<0.20	<0.03				<5	6	276	Nil	276	2.4		683	<1.0	7.6	
01/02/2021	3.4	0.05				<0.05	<0.20	0.14				90	12	212	Nil	212	4.8		515	2.2	7.8	
16/03/2021	8.8	<0.01		8.8	<0.16	<0.05	<0.20	<0.03	8	<0.02	<0.01	55	7	263	Nil	263	2.2	Nil	681	<1.0	7.9	
15/04/2021	8.3	0.03				<0.05	<0.05	<0.05				59	9	463	Nil	463	2.3		680	1.4		
25/05/2021	5.8	0.02				<0.05	<0.20	<0.03				23	9	275	Nil	275	2.3		684	<1.0	8.1	
30/07/2021	0.3	0.01				<0.05	<0.20	0.07				10	21	205	Nil	205	7.6		466	1.2	8	
21/10/2021	2.7	<0.01				<0.05	<0.20	0.09				29	12	319	Nil	319	5.3		624	<1.0	7.9	
27/01/2022	5.4	<0.01				<0.05	<0.20	<0.03				34	<5	288	Nil	288	2.2		663	<1.0	8.1	
	0.3	0.01	0.01	5.2	0.00	0.00	0.00	0.03	8.0	0.00	0.039	5	5	197	0	197	2.1	0	466	1.2	7.5	SW3
	14.9	0.12	0.07	15.0	0.00	0.00	0.00	1.35	9.0	0.00	0.039	90	42	489	13	489	16.0	0	936	4.3	8.1	SW3
	5.3	0.04	0.03	9.7	#DIV/0!	#DIV/0!	#DIV/0!	0.21	8.3	#DIV/0!	0.039	33	11.31579	283	3	285	4.0	#DIV/0!	650	2.4	7.8	SW3
	50.0	0.50	0.00	0.0	0.00	0.00	0.00	0.00	0.0	0.00	0.000	0	0	0	0	0	0.0	0	2500	0.0	0.0	
	11%	8%																	26%			
21/02/2019	0.6	0.02	0.03	0.7	< 0.16	<0.05	<0.20	0.09	34.2	<0.02	0.035	264	28	293	0	293	9.7	Nil	827	<2.0	7.9	
08/05/2019	<0.2	<0.01	0.42			<0.05	<0.20	1.29				14	40	274		0	14	274	612	2.5	7.7	
28/06/2019	<0.2	<0.01	0.19			<0.05	<0.20	0.58				6	30	315	0	315	11		641	<2.0	7.7	
31/07/2019	<0.2	<0.01	1.12			<0.05	<0.26	3.43				248	39	297		0	13	297	613	8.7	7.6	
25/09/2019	2.8	<0.01	<0.01			<0.05	<0.2	<0.03				32	31	157	0	157	11		1050	16.3	7.4	
31/10/2019	2.2	0.19	0.03			<0.05	<0.20	0.09				14	23	271	0	271	7.9		664	<9.5	7.8	
28/11/2019	<0.2	0.02	0.46			<0.05	<0.20	1.41				12	30	307	0	307	12		758	<9.5	7.8	
05/12/2019	0.2	0.07	0.52			<0.05	<0.2	1.59				8	30	304	0	304	11		754	<9.5	7.8	
07/01/2020	<0.2	0.03	0.37			<0.0005		1.13				<5	24	305	0	305	9.1		699	<9.5	7.7	
06/02/2020	1.6	0.06	0.27			<0.0005		0.83				34	18	241	0	241	6.8		576	9.6	8.1	
02/04/2020	<0.2	0.02	0.02	<0.2	< 0.16	<0.05	<0.2	0.06	3.7	<0.02	< 0.010	19	18	243	6	249	5.9	Nil	1160	<2.9	7.6	
07/05/2020	<0.2	0.01				<0.05	<0.20	0.57				12	16	258	Nil	258	5.9		535	<1.9	7.7	
05/11/2020	<0.2	<0.01				<0.05	<0.20	0.96				15	55	453	Nil	453	20		1080	6.5	7.1	
02/12/2020	5.2	<0.01				<0.05	<0.20	<0.03				<5	6	209	11.1	220.1	1.4		518	<1.3	7.6	
08/01/2021	4.6	0.03				<0.05	<0.20	0.21				9	10	201	Nil	201	3.8		494	<1.0	7.7	
01/02/2021	3.5	0.02				<0.05	<0.20	0.13				24	13	175	Nil	175	5.3		429	1.9	7.9	
16/03/2021	<0.2	<0.01		<0.2	<0.16	<0.05	<0.20	<0.03	6	<0.02	<0.01	19	11	233	Nil	233	3.9	Nil	527	1.8	7.8	
15/04/2021	<0.2	<0.01				<0.05	<0.05	<0.05				<5	15	193	10.1	203.1	5.1		501	2		
25/05/2021	<0.2	<0.01				<0.05	<0.20	<0.03				20	20	198	Nil	198	6.5		452	1.8	8	
30/07/2021	<0.2	0.12				<0.05	<0.20	0.07				<5	20	202	Nil	202	7.4		463	<1.0	8	
21/01/2022	<0.2	<0.01				<0.05	<0.20	0.63				99	34	402	Nil	402	12		920	3.3	7.7	
	0.2	0.01	0.02	0.7	0.00	0.00	0.00	0.06	3.7	0.00	0.035	6	6	157	0	0	1.4	274	429	1.8	7.1	SW4
	5.2	0.19	1.12	0.7	0.00	0.00	0.00	3.43	34.2	0.00	0.035	264	55	453	11	453	20.0	297	1160	16.3	8.1	SW4
	2.6	0.05	0.34	0.7	#DIV/0!	#DIV/0!	#DIV/0!	0.82	14.6	#DIV/0!	0.035	50	24.33333	263	2	237	8.7	286	680	5.4	7.7	SW4
	50.0	0.50	0.00	0.0	0.00	0.00	0.00	0.00	0.0	0.00	0.000	0	0	0	0	0	0.0	0	2500	0.0	0.0	
	5%	11%																	27%			
21/02/2019	16	<0.01	0.02	16	< 0.16	<0.05	<0.20	0.06	6.99	<0.02	0.026			203	0	203	1.1	Nil	605			
08/05/2019	13.7	<0.01	<0.01			<0.05	<0.20	<0.03							0	231	0.89		606	231	7.6	
27/06/2019	15	<0.01	<0.01			<0.05	<0.20	<0.03						236	0	236	0.96		582		7.5	
29/07/2019	16.2	<0.01	<0.01			<0.05	<0.2	<0.03						237	0		0.54		464	237	7.4	
27/08/2019	10.8	<0.01	0.01	10.8	< 0.16	<0.05	<0.20	0.03	6.66	<0.02	0.015	788	<5	213	0	213	0.51	Nil	981	<5.7	7.4	
25/09/2019	18.3	<0.01	<0.01			<0.05	<0.2	<0.03						224	4	228	0.87		647		7.4	

30/10/2019	16.1	<0.01	<0.01			<0.05	<0.2	<0.03						218	0	218	1.1		620		7.5
28/11/2019	14.2	<0.01	<0.01			<0.05	<0.20	<0.03						242	0	242	2		656		7.6
05/12/2019	21	<0.01	<0.01			<0.05	<0.2	<0.03						225	0	225	1.2		673		7.4
07/01/2020	23.8	<0.01	<0.01			<0.0005		<0.03						220	0	220	0.89		666		7.3
06/02/2020	27.2	<0.01	<0.01			<0.0005		<0.03						218	0	218	0.64		673		7.4
06/03/2020	15.9	<0.01	0.01			<0.0005		0.03						250	0	250	0.92		614		7.7
02/04/2020	26.7	<0.01	<0.01	26.7	< 0.16	<0.05	<0.2	<0.03	7	<0.02	< 0.010			222	0	222	0.85				7.6
07/05/2020	26.3	<0.01				<0.05	<0.20	<0.03						216	Nil	216	0.69		677		7.5
04/06/2020	23	<0.01				<0.05	<0.20	<0.03						215	Nil	215	0.84		679		7.6
16/07/2020	21.3	<0.01	<0.03	21.3	<0.16	<0.05	<0.20		6	<0.02	<0.01			223	Nil	223	0.74				7.4
04/08/2020	21.7	<0.01				<0.05	<0.20	<0.03						233	Nil	233	11		661		7.3
09/09/2020	20.6	<0.01				<0.05	<0.20	<0.03						216	Nil	216	0.9		642		7.5
07/10/2020	20.6	<0.01				<0.05	<0.20	<0.03				28	<5	231	Nil	231	0.64		665	<2.5	7.6
05/11/2020	13.7	0.01				<0.05	<0.20	<0.03						247	Nil	247	1		627		7.5
02/12/2020	18.7	<0.01				<0.50	<2.00	0.04						186	Nil	186	0.63		641		7.4
08/01/2021	16.1	<0.01				<0.05	<0.20	<0.03						228	Nil	228	0.89		653		7.4
01/02/2021	13	<0.01				<0.05	<0.20	<0.03						251	Nil	251	2.3		644		7.5
16/03/2021	17.6	<0.01		17.6	<0.16	<0.05	<0.20	<0.03	6	<0.02	<0.01			221	Nil	221	0.66		634		7.5
25/05/2021	17	<0.01				<0.05	<0.20	<0.03						297	Nil	297	0.47		623		7.5
26/07/2021	17.8	0.02				<0.05	<0.20	<0.03						221	Nil	221	0.95		600		7.5
21/10/2021	17.8	<0.01				<0.05	<0.20	<0.03						220	Nil	220	0.66		561		7.5
27/01/2022	16.8	<0.01				<0.05	<0.20	<0.03						225	Nil	225	0.72		633		7.9
	10.8	0.01	0.01	10.8	0.00	0.00	0.00	0.03	6.0	0.00	0.015	28	0	186	0	186	0.5	0	464	231.0	7.3 P1_18
	27.2	0.02	0.02	26.7	0.00	0.00	0.00	0.06	7.0	0.00	0.026	788	0	297	4	297	11.0	0	981	237.0	7.9 P1_18
	18.5	0.02	0.01	18.5	#DIV/0!	#DIV/0!	#DIV/0!	0.04	6.5	#DIV/0!	0.021	408	#DIV/0!	227	0	227	1.3	#DIV/0!	643	234.0	7.5 P1_18
	50.0	0.50	0.00	0.0	0.00	0.00	0.00	0.00	0.0	0.00	0.000	0	0	0	0	0	0.0	0	2500	0.0	0.0
	37%	3%																	26%		

21/02/2019	12.9	<0.01	<0.01	12.9	< 0.16	<0.05	<0.20	<0.03	7.33	<0.02	0.039			205	0	205	0.6				7.4
08/05/2019	11.9	<0.01	<0.01			<0.05	<0.20	<0.03							0	221	0.84		576	221	7.6
27/06/2019	12.2	<0.01	<0.01			<0.05	<0.20	<0.03						226	0	226	0.75		616		7.6
29/07/2019	11.6	<0.01	<0.01			<0.05	<0.2	<0.03						212	0		0.5		727	212	7.5
27/08/2019	16.5	<0.01	0.01	16.5	< 0.16	<0.05	<0.20	0.03	7.99	<0.02	0.012	938	<5	227	0	227	0.47	Nil	643	<5.7	7.4
25/09/2019	11.7	<0.01	<0.01			<0.05	<0.2	<0.03						214	0	214	0.83		913		7.4
30/10/2019	20.6	<0.01	<0.01			<0.05	<0.2	<0.03						212	0	212	0.37		670		7.7
28/11/2019	24.6	<0.01	<0.01			<0.05	<0.20	<0.03						208	0	208	0.75		672		7.6
05/12/2019	24.1	<0.01	<0.01			<0.05	<0.2	<0.03						207	0	207	0.72		673		7.4
07/01/2020	22.6	<0.01	<0.01			<0.0005		<0.03						203	0	203	0.84		644		7.3
06/02/2020	17.5	<0.01	<0.01			<0.0005		<0.03						202	0	202	0.65		622		7.7
06/03/2020	24.7	<0.01	0.01			<0.0005		0.03						251	0	251	0.76		686		7.5
02/04/2020	14.5	<0.01	<0.01	14.5	< 0.16	<0.05	<0.2	<0.03	6.7	<0.02	< 0.010			205	0	205	0.99				7.5
07/05/2020	11.9	0.01				<0.05	<0.20	<0.03						215	Nil	215	0.76		571		7.6
04/06/2020	11	<0.01				<0.05	<0.20	<0.03						216	Nil	216	0.97		595		7.6
16/07/2020	10.9	<0.01	<0.03	10.9	<0.16	<0.05	<0.20		6	<0.02	0.03			225	Nil	225	0.74				7.6
04/08/2020	10.4	<0.01				<0.05	<0.20	<0.03						218	Nil	218	10		590		7.4
09/09/2020	9.6	<0.01				<0.05	<0.20	<0.03						213	Nil	213	0.9		562		7.5
07/10/2020	8.7	<0.01				<0.05	<0.20	<0.03				9	<5	229	Nil	229	0.67		587	<2.5	7.7
05/11/2020	10.8	<0.01				<0.05	<0.20	<0.03						224	Nil	224	0.75		645		7.5
02/12/2020	12.6	<0.01				<0.50	<2.00	<0.03						198	Nil	198	0.85		640		7.5
08/01/2021	11	<0.01				<0.05	<0.20	<0.03						246	Nil	246	0.9		631		7.5
01/02/2021	12.7	<0.01				<0.05	<0.20	<0.03						213	Nil	213	0.98		588		7.5
16/03/2021	9.7	<0.01		9.7	<0.16	<0.05	<0.20	<0.03	6	<0.02	<0.01			216	Nil	216	0.78		568		7.6
25/05/2021	5.7	<0.01				<0.05	<0.20	<0.03						247	Nil	247	0.53		652		7.5
26/07/2021	5.4	<0.01				<0.05	<0.20	<0.03						208	Nil	208	0.62		896		7.7
21/10/2021	7.1	<0.01				<0.05	<0.20	<0.03						243	Nil	243	0.7		681		7.4
27/01/2022	8.9	<0.01				<0.05	<0.20	<0.03						234	Nil	234	0.86		740		7.9
	5.4	0.01	0.01	9.7	0.00	0.00	0.00	0.03	6.0	0.00	0.012	9	0	198	0	198	0.4	0	562	212.0	7.3 P2_18
	24.7	0.01	0.01	16.5	0.00	0.00	0.00	0.03	8.0	0.00	0.039	938	0	251	0	251	10.0	0	913	221.0	7.9 P2_18
	13.3	0.01	0.01	12.9	#DIV/0!	#DIV/0!	#DIV/0!	0.03	6.8	#DIV/0!	0.027	474	#DIV/0!	219	0	219	1.1	#DIV/0!	656	216.5	7.5 P2_18
	50.0	0.50	0.00	0.0	0.00	0.00	0.00	0.00	0.0	0.00	0.000	0	0	0	0	0	0.0	0	2500	0.0	0.0
	27%	2%																	26%		

21/02/2019	5.5	<0.01	<0.01	5.5	< 0.16	<0.05	<0.20	<0.03	20	<0.02	0.031			296	0	296	1.5				7.2
08/05/2019	4.7	<0.01	<0.01			<0.05	<0.20	<0.03							0	281	1.6		723	281	7.6
27/06/2019	6.9	<0.01	0.02			<0.05	<0.20	0.06						297		0	1.5	297	706		7.3
29/07/2019	10.3	<0.01	<0.01			<0.05	<0.2	<0.03						287	0		1.2		484	287	7.5
27/08/2019	5.2	<0.01	<0.01	5.2	< 0.16	<0.05	<0.20	<0.03	17	<0.02	0.013	101	5	298	0	298	1.4	Nil	731	<5.7	7.4
25/09/2019	6.1	0.01	<0.01			<0.05	<0.2	<0.03						273	0	273	1.7		727		7.3
30/10/2019	6.3	0.02	<0.01			<0.05	<0.2	<0.03						275	0	275	1.2		715		7.6
28/11/2019	7.5	0.02	<0.01			<0.05	<0.20	<0.03						282	0	282	1.7		727		7.6
05/12/2019	5.8	<0.01	<0.01			<0.05	<0.2	<0.03						287	0	287	1.8		716		7.3
07/01/2020	5.3	0.02	<0.01			<0.0005		<0.03						284	0	284	1.6		701		7.2
06/02/2020	8.7	0.02	<0.01			<0.0005		<0.03						289	0	289	1.4		713		7.4
06/03/2020	15.4	<0.01	<0.01			<0.0005		<0.03						357	0	357	1.8		790		7.4
02/04/2020	22	0.01	<0.01	22	< 0.17	<0.05	<0.2	<0.03	15.6	<0.02	0.013			275	0	275	1.9				7.6
07/05/2020	24.5	<0.01				<0.05	<0.20	<0.03						289	Nil	289	1.6		848		7.4
04/06/2020	8.5	0.02				<0.05	<0.20	<0.03						329	Nil	329	1.7		736		7.5
16/07/2020	7.9	<0.01	<0.03	7.8	<0.16	<0.05	<0.20		8	<0.02	0.11			344	Nil	344	1.6				7.4
04/08/2020	8.5	<0.01				<0.05	<0.20	<0.03						348	Nil	348	3.8		758		7.2
09/09/2020	6.1	<0.01				<0.05	<0.20	<0.03						281	Nil	281	1.9		743		7.5
07/10/2020	8	<0.01				<0.05	<0.20	<0.03				280	13	302	Nil	302	1.6		755	<2.5	7.5
05/11/2020	8.1	<0.01				<0.05	<0.20	<0.03						287	Nil	287	1.5		738		7.2
02/12/2020	7.2	0.01				<0.05	<0.20	<0.03						290	Nil	290	1.5		735		7.3
08/01/2021	7.9	<0.01				<0.05	<0.20	<0.03						292	Nil	292	1.6		752		7.2
01/02/2021	9.2	0.03				<0.05	<0.20	<0.03						289	Nil	289	2		754		7.6
16/03/2021	7.5	<0.01		7.5	<0.16	<0.05	<0.20	<0.03	19	<0.02	<0.01			292	Nil	292	1.6		725		7.6
25/05/2021	8.5	<0.01				<0.05	<0.20	<0.03						341	Nil	341	1.4		722		7.5
26/07/2021	12.1	<0.01				<0.05	<0.20	<0.03						231	Nil	231	0.72		530		7.7
21/10/2021	5.9	<0.01				<0.05	<0.20	<0.03						294	Nil	294	1.6		609		7.5
21/01/2022	7.5	<0.01				<0.05	<0.20	<0.03						288	Nil	288	1.6		718		7.8
	4.7	0.01	0.02	5.2	0.00	0.00	0.00	0.06	8.0	0.00	0.013	101	5	231	0	0	0.7	297	484	281.0	7.2 P3_18
	24.5	0.03	0.02	22.0	0.00	0.00	0.00	0.06	20.0	0.00	0.110	280	13	357	0	357	3.8	297	848	287.0	7.8 P3_18

	8.8	0.02	0.02	9.6	#DIV/0!	#DIV/0!	#DIV/0!	0.06	15.9	#DIV/0!	0.042	191	9	296	0	285	1.6	297	714	284.0	7.4	P3_18
	50.0	0.50	0.00	0.0	0.00	0.00	0.00	0.00	0.0	0.00	0.000	0	0	0	0	0	0.0	0	2500	0.0	0.0	
	18%	4%																	29%			
21/02/2019	2.4	<0.01	0.02	2.4	< 0.16	<0.05	<0.20	0.06	8.7	<0.02	0.089	188		261	0	261	2.2	Nil	1270		7.5	
27/06/2019	4.6	<0.01	0.01			<0.05	<0.20	0.03						298		0	2.2	298	1120		7.4	
29/07/2019	1.1	0.09	<0.01			<0.05	<0.2	<0.03						294	0		3		690	294	7.6	
27/08/2019	3	<0.01	0.01	3	< 0.16	<0.05	<0.20	0.03	11.7	<0.02	0.011	203	6	295	0	295	2	Nil	1430	<3.6	7.3	
25/09/2019	4	<0.01	<0.01			<0.05	<0.2	<0.03						241	0	241	2.3		1710		7.2	
30/10/2019	15.8	<0.01	<0.01			<0.05	<0.2	<0.03						231	0	231	1.2		634		7.4	
28/11/2019	<0.2	0.03	<0.01			<0.05	<0.20	<0.03						290	0	290	3.3		781		7.5	
05/12/2019	1.8	<0.01	<0.01			<0.05	<0.2	<0.03						390	0	390	3.8		1110		7.4	
07/01/2020	0.5	0.01	<0.01			<0.0005		<0.03						341	0	341	3.2		1120		7.2	
06/02/2020	0.5	0.01	<0.01			<0.0005		<0.03						308	0	308	3		1040		7.8	
06/03/2020	0.4	<0.01	<0.01			<0.0005		<0.03						319	0	319	3.5		676		7.4	
02/04/2020	<0.2	<0.01	<0.01	<0.2	< 0.16	<0.05	<0.2	<0.03	5	<0.02	< 0.010			261	0	261	2.7				7.6	
07/05/2020	<0.2	<0.01				<0.05	<0.20	<0.03						292	Nil	292	2.3		766		7.7	
04/06/2020	<0.2	<0.01				<0.05	<0.20	<0.03						283	Nil	283	2.7		604		7.6	
16/07/2020	<0.2	<0.01	<0.03	<0.2	<0.16	<0.05	<0.20		2	<0.02	<0.01			296	Nil	296	2.3				7.5	
04/08/2020	<0.2	<0.01				<0.05	<0.20	<0.03						301	Nil	301	5.8		621		7.4	
09/09/2020	<0.2	<0.01				<0.05	<0.20	<0.03						278	Nil	278	2.4		640		7.6	
07/10/2020	<0.2	0.03				<0.05	<0.20	<0.03				92	12	276	Nil	276	2.4		618	<2.0	7.6	
05/11/2020	0.3	<0.01				<0.05	<0.20	<0.03						292	Nil	292	1.7		904		7.3	
02/12/2020	0.5	<0.01				<0.05	<0.20	<0.03						262	Nil	262	2.2		799		7.4	
08/01/2021	<0.2	0.01				<0.05	<0.20	<0.03						295	Nil	295	3.3		646		7.2	
01/02/2021	1.4	<0.01				<0.05	<0.20	<0.03						277	Nil	277	3		745		7.6	
16/03/2021	0.4	0.02		0.4	<0.17	<0.05	<0.20	<0.03	6	<0.02	0.01			750	Nil	750	1.8		1130		7.7	
25/05/2021	<0.2	<0.01				<0.05	<0.20	<0.03						325	Nil	325	2		1400		7.6	
26/07/2021	2.8	<0.01				<0.05	<0.20	<0.03						285	Nil	285	1.1		608		7.5	
21/10/2021	<0.2	<0.01				<0.05	<0.20	<0.03						278	Nil	278	1.8		713		7.6	
21/01/2022	1.6	<0.01				<0.05	<0.20	<0.03						293	Nil	293	2.2		864		7.9	
	0.3	0.01	0.01	0.4	0.00	0.00	0.00	0.03	2.0	0.00	0.010	92	6	231	0	0	1.1	298	604	294.0	7.2	P4_18
	15.8	0.09	0.02	3.0	0.00	0.00	0.00	0.06	11.7	0.00	0.089	203	12	750	0	750	5.8	298	1710	294.0	7.9	P4_18
	2.6	0.03	0.01	1.9	#DIV/0!	#DIV/0!	#DIV/0!	0.04	6.7	#DIV/0!	0.037	161	9	308	0	297	2.6	298	906	294.0	7.5	P4_18
	50.0	0.50	0.00	0.0	0.00	0.00	0.00	0.00	0.0	0.00	0.000	0	0	0	0	0	0.0	0	2500	0.0	0.0	
	5%	6%																	36%			
21/02/2019	28.5	<0.01	0.02	28.5	< 0.25	<0.05	<0.20	0.06	4.7	<0.02	0.025	1150		164	0	164	1.7	Nil	623		7.6	
27/06/2019	4.6	<0.01	<0.01			<0.05	<0.20	<0.03						243		0	1.8	243	510		7.4	
31/07/2019	7.3	<0.01	<0.01			<0.05	<0.2	<0.03						247		0	0.71	247	519		7.5	
27/08/2019	10.5	<0.01	0.01	10.5	< 0.4	<0.05	<0.20	0.03	6.66	<0.02	0.015	1370	<5	253	0	253	0.69	Nil	588	<3.6	7.4	
25/09/2019	14	<0.01	<0.01			<0.05	<0.2	<0.03						243	0	243	1.2		600		7.3	
30/10/2019	12.9	<0.01	<0.01			<0.05	<0.2	<0.03						283	0	283	1.1		573		7.5	
28/11/2019	5.3	0.01	<0.01			<0.05	<0.20	<0.03						237	0	237	2.5		513		7.6	
05/12/2019	12.4	<0.01	0.02			<0.05	<0.2	0.06						227	0	227	1.4		558		7.4	
07/01/2020	6.2	<0.01	<0.01			<0.0005		<0.03						234	0	234	1.7		506		7.4	
06/02/2020	2.7	<0.01	<0.01			<0.0005		<0.03						242	0	242	1.9		503		8	
06/03/2020	4.2	<0.01	0.02			<0.0005		0.06						237	0	237	1.6		474		7.5	
02/04/2020	3.8	<0.01	<0.01	3.8	< 0.17	<0.05	<0.2	<0.03	2.3	<0.02	0.011			227	0	227	1.4				7.6	
07/05/2020	3.8	<0.01				<0.05	<0.20	<0.03				27	<5	251	Nil	251	1.1		513	<2.9	7.7	
04/06/2020	9.2	<0.01				<0.05	<0.20	<0.03						240	Nil	240	0.93		558		7.6	
16/07/2020	8.5	<0.01	<0.03	8.5	<0.16	<0.05	<0.20		3	<0.02	<0.01			247	Nil	247	0.85				7.5	
04/08/2020	5.6	<0.01				<0.05	<0.20	<0.03						242	Nil	242	1.7		543		7.4	
09/09/2020	2.4	<0.01				<0.05	<0.20	<0.03						231	Nil	231	1		527		7.6	
07/10/2020	5	<0.01				<0.05	<0.20	<0.03				365	10	269	Nil	269	0.71		549	<2.0	7.6	
05/11/2020	1.7	<0.01				<0.05	<0.20	<0.03						207	Nil	207	1.9		428		7.4	
02/12/2020	3.2	<0.01				<0.05	<0.20	0.03						263	9.3	263	1.3		627		7.6	
08/01/2021	7.4	<0.01				<0.05	<0.20	<0.03						219	Nil	219	1.6		512		7.4	
01/02/2021	3.9	0.02				<0.05	<0.20	<0.03						190	Nil	190	2.7		416		7.8	
16/03/2021	4.3	<0.01		4.3	<0.16	<0.05	<0.20	<0.03	1	<0.02	<0.01			215	Nil	215	1.2		470		7.7	
25/05/2021	5.7	<0.01				<0.05	<0.20	<0.03						319	Nil	319	0.72		496		7.8	
26/07/2021	10.7	<0.01				<0.05	<0.20	<0.03						251	Nil	251	1.2		667		7.6	
21/10/2021	4.9	<0.01				<0.05	<0.20	<0.03						216	Nil	216	0.81		464		7.6	
21/01/2022	7.6	0.05				<0.05	<0.20	<0.03						234	Nil	234	1.4		513		7.9	
	1.7	0.01	0.01	3.8	0.00	0.00	0.00	0.03	1.0	0.00	0.011	27	10	164	0	0	0.7	243	416	0.0	7.3	P5_18
	28.5	0.05	0.02	28.5	0.00	0.00	0.00	0.06	6.7	0.00	0.025	1370	10	319	9	319	2.7	247	667	0.0	8.0	P5_18
	7.3	0.03	0.02	11.1	#DIV/0!	#DIV/0!	#DIV/0!	0.05	3.5	#DIV/0!	0.017	728	10	238	1	220	1.4	245	530	#DIV/0!	7.6	P5_18
	50.0	0.50	0.00	0.0	0.00	0.00	0.00	0.00	0.0	0.00	0.000	0	0	0	0	0	0.0	0	2500	0.0	0.0	
	15%	5%																	21%			
21/02/2019	3.2	<0.01	0.02	3.2	< 0.16	<0.05	<0.20	0.06	18.7	<0.02	0.027	5840		264	0	264	1	Nil	644		7.4	
28/06/2019	2.5	<0.01	<0.01			<0.05	<0.20	<0.03						292	0	292	1.1		608		7.6	
31/07/2019	2.8	<0.01	<0.01			<0.05	<0.2	<0.03						289		0	0.64	289	607		7.5	
27/08/2019	3.1	<0.01	0.01	3.1	< 0.16	<0.05	<0.20	0.03	6.33	<0.02	0.013	237	<5	295	0	295	0.69	Nil	637	<3.6	7.4	
25/09/2019	4.3	<0.01	<0.01			<0.05	<0.2	<0.03						281	0	281	1.3		668		7.4	
30/10/2019	3	<0.01	<0.01			<0.05	<0.2	<0.03						279	0	279	0.52		603		7.4	
28/11/2019	2.8	<0.01	<0.01			<0.05	<0.20	<0.03						281	0	281	0.93		615		7.4	
05/12/2019	3.2	<0.01	<0.01			<0.05	<0.2	<0.03						281	0	281	0.99		634		7.4	
07/01/2020	3	<0.01	<0.01			<0.0005		<0.03						285	0	285	1		624		7.4	
06/02/2020	1.7	<0.01	<0.01			<0.0005		<0.03						290	0	290	1		596		7.5	
06/03/2020	0.9	<0.01	<0.01			<0.0005		<0.03						338	0	338	1.4		667		7.4	
02/04/2020	1	<0.01	<0.01	1	< 0.16	<0.05	<0.2	<0.03	4	<0.02	0.013			310	0	310	1.6				7.7	
07/05/2020	0.6	<0.01				<0.05	<0.20	<0.03						312	Nil	312	1.1		564		7.3	
04/06/2020	1.2	<0.01				<0.05	<0.20	<0.03						306	Nil	306	1.1		622		7.5	
16/07/2020	3	<0.01	<0.03	3	<0.16	<0.05	<0.20		5	<0.02	<0.01			304	Nil	304	1				7.5	
04/08/2020	3.1	<0.01				<0.05	<0.20	<0.03						311	Nil	311	2.7		671		7.4	
09/09/2020	2.9	<0.01				<0.05	<0.20	<0.03						262	Nil	262	1.3		601		7.4	
07/10/2020	4.3	<0.01				<0.05	<0.20	<0.03				147	9	305	Nil	305	1.1		648	<2.0	7.4	
05/11/2020	4.1	0.01				<0.05	<0.20	<0.03						289	Nil	289	1.1		669		7.4	
02/12/2020	10.5	<0.01				<0.05	<0.20	0.03						256	Nil	256	1.4		698		7.5	
08/01/2021	4.3	<0.01				<0.05	<0.20	<0.03						283	Nil	283	0.92		641		7.4	
01/02/2021	2	<0.01				<0.05	<0.20	<0.03						280	Nil	280	1.3		583		7.4	
16/03/2021	1.4	<0.01		1.4	<0.16	<0.05	<0.20	<0.03	4	<0.02	<0.01			282	Nil	282	1.2		616		7.5	
25/05/2021	1.4	<0.01				<0.05	<0.20	<0.03						486	Nil	486	0.86		572		7.4	

26/07/2021	2.2	0.07				<0.05	<0.20	<0.03						272	Nil	272	1.2		735		7.6	
21/10/2021	4	<0.01				<0.05	<0.20	<0.03						291	Nil	291	1.3		607		7.4	
21/01/2022	3.1	<0.01				<0.05	<0.20	<0.03						293	Nil	293	1.1		711		7.7	
	0.6	0.01	0.01	1.0	0.00	0.00	0.00	0.03	4.0	0.00	0.013	147	9	256	0	0	0.5	289	564	0.0	7.3	P6_18
	10.5	0.07	0.02	3.2	0.00	0.00	0.00	0.06	18.7	0.00	0.027	5840	9	486	0	486	2.7	289	735	0.0	7.7	P6_18
	2.9	0.04	0.02	2.3	#DIV/0!	#DIV/0!	#DIV/0!	0.04	7.6	#DIV/0!	0.018	2075	9	297	0	286	1.1	289	634	#DIV/0!	7.5	P6_18
	50.0	0.50	0.00	0.0	0.00	0.00	0.00	0.00	0.0	0.00	0.000	0	0	0	0	0	0.0	0	2500	0.0	0.0	
	6%	8%																	25%			
21/02/2019	1.5	<0.01	<0.01	1.5	< 0.16	<0.05	<0.20	<0.03	5.33	<0.02	0.074			256	0	256	3.4				7.6	
08/05/2019	3	<0.01	0.4			<0.05	<0.20	1.22						269	0	269	0.97		694		7.7	
28/06/2019	19.4	<0.01	<0.01			<0.05	<0.20	<0.03						249	0	249	1.7		735		7.5	
31/07/2019	22.9	<0.01	<0.01			<0.05	<0.2	<0.03						246	0	246	1.3		709		7.4	
27/08/2019	21.7	<0.01	0.01	21.7	< 0.16	<0.05	<0.20	0.03	9.99	<0.02	0.017	593	9	243	0	243	1.2	Nil	742	<5.7	7.4	
25/09/2019	21.3	<0.01	<0.01			<0.05	<0.2	<0.03						226	0	226	1.4		714		7.4	
30/10/2019	17.7	<0.01	<0.01			<0.05	<0.2	<0.03						238	0	238	1		716		7.6	
28/11/2019	11.7	<0.01	<0.01			<0.05	<0.20	<0.03						295	0	295	2.2		783		7.4	
05/12/2019	14.9	<0.01	<0.01			<0.05	<0.2	<0.03						283	0	283	1.6		811		7.3	
07/01/2020	12.9	<0.01	0.01			<0.0005		0.03						282	0	282	1.7		776		7.2	
06/02/2020	9.2	0.02	<0.01			<0.0005		<0.03						307	0	307	1.5		832		7.4	
06/03/2020	5.1	0.02	<0.01			<0.0005		<0.03						374	0	374	1.8		879		7.3	
02/04/2020	12.4	<0.01	<0.01	12.4	< 0.17	<0.05	<0.2	<0.03	9	<0.02	< 0.010			261	0	261	1.7				8	
07/05/2020	12	<0.01				<0.05	<0.20	<0.03						266	Nil	266	1.2		661		7.7	
04/06/2020	11.5	<0.01				<0.05	<0.20	<0.03						263	Nil	263	1.3		658		7.6	
16/07/2020	12.8	<0.01	<0.03	12.8	<0.16	<0.05	<0.20		6	<0.02	<0.01			269	Nil	269	1.1				7.5	
04/08/2020	11	<0.01				<0.05	<0.20	<0.03						267	Nil	267	1.6		742		7.3	
09/09/2020	11.5	<0.01				<0.05	<0.20	<0.03						255	Nil	255	1.4		782		7.5	
07/10/2020	15.2	<0.01				<0.05	<0.20	<0.03				44	<5	258	Nil	258	1		680	<2.5	7.6	
05/11/2020	10.1	<0.01				<0.05	<0.20	<0.03						266	Nil	266	1.5		676		7.4	
02/12/2020	5.6	<0.01				<0.05	<0.20	0.32						314	Nil	314	1.5		885		7.7	
08/01/2021	8.4	<0.01				<0.05	<0.20	<0.03						284	Nil	284	1.1		719		7.3	
01/02/2021	7.3	<0.01				<0.05	<0.20	<0.03						302	Nil	302	1.8		716		7.5	
16/03/2021	7	<0.01		7	<0.16	<0.05	<0.20	<0.03	8	<0.02	0.01			279	Nil	279	1.4		752		7.6	
25/05/2021	5.1	<0.01				<0.05	<0.20	<0.03						454	Nil	454	1		711		7.4	
26/07/2021	10.8	<0.01				<0.05	<0.20	<0.03						302	Nil	302	0.76		528		7.7	
21/10/2021	11.9	<0.01				<0.05	<0.20	<0.03						223	Nil	223	1.2		533		7.5	
21/01/2022	8.2	<0.01				<0.05	<0.20	<0.03						277	Nil	277	1.1		711		7.8	
	1.5	0.02	0.01	1.5	0.00	0.00	0.00	0.03	5.3	0.00	0.010	44	9	223	0	223	0.8	0	528	0.0	7.2	P7_18
	22.9	0.02	0.40	21.7	0.00	0.00	0.00	1.22	10.0	0.00	0.074	593	9	454	0	454	3.4	0	885	0.0	8.0	P7_18
	11.5	0.02	0.14	11.1	#DIV/0!	#DIV/0!	#DIV/0!	0.40	7.7	#DIV/0!	0.034	319	9	279	0	279	1.4	#DIV/0!	726	#DIV/0!	7.5	P7_18
	50.0	0.50	0.00	0.0	0.00	0.00	0.00	0.00	0.0	0.00	0.000	0	0	0	0	0	0.0	0	2500	0.0	0.0	
	23%	4%																	29%			

21/02/2019	7.3	<0.01	<0.01	7.2	< 0.16	<0.05	<0.20	<0.03	11.3	0.02	0.062			325	0	325	1				7.6	
08/05/2019	4.3	<0.01	<0.01			<0.05	<0.20	<0.03						333	0	333	1.4		872		7.7	
28/06/2019	4.4	<0.01	<0.01			<0.05	<0.20	<0.03						333	0	333	1.5		870		7.4	
31/07/2019	4.5	<0.01	<0.01			<0.05	<0.2	<0.03						325	0	325	1.1		807		7.5	
27/08/2019	4	<0.01	<0.01	4	< 0.16	<0.05	<0.20	<0.03	5.99	<0.02	0.021	255	8	329	0	329	1.4	Nil	868	<2.9	7.6	
26/09/2019	5.1	<0.01	<0.01			<0.05	<0.2	<0.03						314	0	314	1.2		899		7.4	
30/10/2019	6.4	<0.01	<0.01			<0.05	<0.2	<0.03						297	0	297	0.71		839		7.7	
28/11/2019	1.7	<0.01	<0.01			<0.05	<0.20	<0.03						290	0	290	1.8		705		7.5	
05/12/2019	1.7	<0.01	<0.01			<0.05	<0.2	<0.03						284	0	284	2		697		7.5	
07/01/2020	2.1	<0.01	<0.01			<0.0005		<0.03						307	0	307	1.4		712		7.4	
06/02/2020	2.3	<0.01	<0.01			<0.0005		<0.03						275	0	275	1.2		643		7.5	
06/03/2020	1.1	<0.01	0.01			<0.0005		0.03						300	0	300	1.7		621		7.5	
02/04/2020	0.8	<0.01	<0.01	0.8	< 0.17	<0.05	<0.2	<0.03	2.7	<0.02	0.01			259	0	259	2				7.9	
07/05/2020	0.3	<0.01				<0.05	<0.20	<0.03						278	Nil	278	1.5		579		7.5	
04/06/2020	<0.2	0.03				<0.05	<0.20	<0.03						289	Nil	289	1.6		602		7.6	
16/07/2020	1.6	<0.01	<0.03	1.6	<0.16	<0.05	<0.20		2	<0.02	<0.01			296	Nil	296	1.3				7.6	
04/08/2020	3.5	<0.01				<0.05	<0.20	<0.03						280	Nil	280	2		671		7.3	
09/09/2020	4.7	<0.01				<0.05	<0.20	<0.03						264	Nil	264	1.3		756		7.5	
07/10/2020	9.5	<0.01				<0.05	<0.20	0.38				10500	7	318	Nil	318	1.1		930	<1.3	7.5	
05/11/2020	9	<0.01				<0.05	<0.20	<0.03						313	Nil	313	0.94		953		7.3	
02/12/2020	4	0.06				<0.05	<0.20	<0.03						318	Nil	318	3.4		1010		7.5	
08/01/2021	3.8	<0.01				<0.05	<0.20	<0.03						304	Nil	304	1.2		774		7.4	
01/02/2021	2.3	<0.01				<0.05	<0.20	<0.03						291	Nil	291	1.4		693		7.5	
16/03/2021	1.6	<0.01		1.6	<0.16	<0.05	<0.20	<0.03	3	<0.02	<0.01			271	Nil	271	1.1		633		7.8	
25/05/2021	1.9	<0.01				<0.05	<0.20	<0.03						920	Nil	920	0.86		613		7.6	
26/07/2021	2.6	<0.01				<0.05	<0.20	<0.03						226	Nil	226	1		624		7.5	
21/10/2021	7.8	<0.01				<0.05	<0.20	<0.03						333	Nil	333	0.97		735		7.4	
27/01/2022	4.4	<0.01				<0.05	<0.20	<0.03						324	Nil	324	1.1		892		7.9	
	0.3	0.03	0.01	0.8	0.00	0.00	0.00	0.03	2.0	0.02	0.010	255	7	226	0	226	0.7	0	579	0.0	7.3	P8_18
	9.5	0.06	0.01	7.2	0.00	0.00	0.00	0.38	11.3	0.02	0.062	10500	8	920	0	920	3.4	0	1010	0.0	7.9	P8_18
	3.8	0.05	0.01	3.0	#DIV/0!	#DIV/0!	#DIV/0!	0.21	5.0	0.02	0.031	5378	7.5	321	0	321	1.4	#DIV/0!	760	#DIV/0!	7.5	P8_18
	50.0	0.50	0.00	0.0	0.00	0.00	0.00	0.00	0.0	0.00	0.000	0	0	0	0	0	0.0	0	2500	0.0	0.0	
	8%	9%																	30%			
21/02/2019	4.8	<0.01	<0.01	4.8	< 0.27	<0.05	<0.20	<0.03	15	0.02	0.169			358	0	358	3.3				7.4	
08/05/2019	13.2	0.02	<0.01			<0.05	<0.20	<0.03						352	0	352	3.5		1300		7.4	
27/06/2019	15.8	0.01	0.01			<0.05	<0.20	0.03						310	0	310	3		991		7.4	
31/07/2019	19.9	0.09	<0.01			<0.05	<0.2	<0.03						296		0	2.9	296	968		7.4	
27/08/2019	13.1	0.11	<0.01	13.2	< 0.25	<0.05	<0.20	<0.03	10.7	<0.02	0.03	24	5	298	0	298	2.7	Nil	1030	<2.9	7.4	
25/09/2019	12.5	0.04	<0.01			<0.05	<0.2	<0.03						304	0	304	3.1		1020		7.2	
30/10/2019	1.9	<0.01	<0.01			<0.05	<0.2	<0.03						343	0	343	4.3		906		7.6	
28/11/2019	<0.2	<0.01	0.02			<0.05	<0.20	0.06						348	0	348	5.6		817		7.4	
05/12/2019	<0.2	<0.01	<0.01			<0.05	<0.2	<0.03						341	0	341	5.7		812		7.2	
07/01/2020	1.1	<0.01	<0.01			<0.0005		<0.03						326	0	326	5.5		749		7.1	
06/02/2020	0.6	<0.01	<0.01			<0.0005		<0.03						310	0	310	4.5		760		7.7	
06/03/2020	0.3	<0.01	0.01			<0.0005		0.03						396	0	396	4.9		718		7.5	
02/04/2020	0.6	<0.01	<0.01	0.6	< 0.16	<0.05	<0.2	<0.03	11.6	<0.02	0.011			286	0	286	5.2				7.8	
07/05/2020	7.6	<0.01				<0.05	<0.20	<0.03						325	Nil	325	4.3		929		7.5	
04/06/2020	7.5	<0.01				<0.05	<0.20	<0.03						397	Nil	397	4.3		1080		7.5	

16/07/2020	1.7	<0.01	<0.03	1.7	<0.16	<0.05	<0.20		9	<0.02	<0.01			367	Nil	367	4.1				7.4
04/08/2020	<0.2	0.02				<0.05	<0.20	<0.03						372	Nil	372	4.2		985		7.2
09/09/2020	0.7	<0.01				<0.05	<0.20	<0.03						308	Nil	308	3.5		882		7.6
07/10/2020	2.8	0.03				<0.05	<0.20	0.1				122	10	328	Nil	328	3.3		959	<1.3	7.4
05/11/2020	3.7	<0.01				<0.05	<0.20	<0.03						319	Nil	319	3		933		7.2
02/12/2020	13.5	<0.01				<0.05	<0.20	<0.03						260	Nil	260	1.7		713		7.6
08/01/2021	1.1	<0.01				<0.05	<0.20	<0.03						340	Nil	340	4		877		7.2
01/02/2021	0.6	<0.01				<0.05	<0.20	<0.03						337	Nil	337	5.2		841		7.6
16/03/2021	0.4	<0.01		0.4	<0.16	<0.05	<0.20	0.05	14	<0.02	<0.01			317	Nil	317	3.9		929		7.5
25/05/2021	3.9	0.02				<0.05	<0.20	<0.03						421	Nil	421	3.6		905		8.2
26/07/2021	9.4	<0.01				<0.05	<0.20	<0.03						252	Nil	252	1.2		622		7.6
21/10/2021	2.9	<0.01				<0.05	<0.20	<0.03						344	Nil	344	3		803		7.4
27/01/2022	3.3	<0.01				<0.05	<0.20	<0.03						337	Nil	337	2.8		1050		7.8
Minimum	0.3	0.01	0.01	0.4	0.00	0.00	0.00	0.03	9.0	0.02	0.011	24	5	252	0	0	1.2	296	622	0.0	7.1	P9_18
Maximum	19.9	0.11	0.02	13.2	0.00	0.00	0.00	0.10	15.0	0.02	0.169	122	10	421	0	421	5.7	296	1300	0.0	8.2	P9_18
Average	5.7	0.04	0.01	4.1	#DIV/0!	#DIV/0!	#DIV/0!	0.05	12.1	0.02	0.070	73	7.5	332	0	321	3.8	296	903	#DIV/0!	7.5	P9_18
EQS	50.0	0.50	0.00	0.0	0.00	0.00	0.00	0.00	0.0	0.00	0.000	0	0	0	0	0	0.0	0	2500	0.0	0.0	
% of EQS	11%	9%																	36%			

Hills Quarry Products Limited

Airfield Quarry

Gally Leaze, Gloucestershire

Proposed sand and gravel extraction and restoration

Hydrogeological Risk Assessment

Final Report
April 2022

Appendix 6 Restoration drawing (ESP Drawing no. D10_LAN_215)

BCL HYDRO
BCL Consultant Hydrogeologists Limited

Technology Centre, Wolverhampton Science Park, Glashier Drive, Wolverhampton
West Midlands, WV10 9RU. Tel: 01902 824111, Fax: 01902 824112
email: info@bclhydro.co.uk, web: http://www.bclhydro.co.uk
Registered Office: 33, Wolverhampton Road, Cannock, West Midlands, WV11 1AP
Registered in England & Wales. Company Registration Number: 4043373

Main western drainage ditch

New permissive path links to airfield memorial

Wet woodland forming full canopy

Main eastern drainage ditch

Avenue of trees define former airfield runways

Low causeways constructed to attenuate winter flood flows

Ends of all 3 airfield runways retained

Lowland meadows managed for floristic diversity

Vehicle entrance retained

LEGEND

- Contours
- Existing tree, shrub, hedge and woodland
- Restored tree, shrub, hedge and woodland
- Restored wet woodland
- Restored reed marsh progressing to wet woodland
- Restored agricultural land
- Restored lowland meadow
- Restored permanent pasture
- Restored marginal grassland
- Existing pond, river, drain and wetland
- Public Right of Way
- Permissive Path
- Retained access track
- Retained sections of runway and perimeter airfield road
- Open ditches, ditches within woodland and culverts
- Potential outfall into existing drainage system to south

INFORMATION

CLIENT

Hills

ESP
Chartered Surveyors
Chartered Landscape Architects
Environmental Consultants
Health and Safety Consultants
The Creative Industries Centre
4 Mere Park Drive
Wolverhampton
WV10 9TG
Tel: 01902 771881

PROJECT

Airfield Quarry

TITLE

Restoration Proposals

SCALE	DRAWN BY	DATE
1:5,000 @A1 1:10,000 @A3	KH/KB	Oct 2020

DRAWING NUMBER	REV.
D10_LAN_215	v1.0

Hills Quarry Products Limited

Airfield Quarry

Gally Leaze, Gloucestershire

Proposed sand and gravel extraction and restoration

Hydrogeological Risk Assessment

Final Report
April 2022

Appendix 7 Water Acceptance Certificates – Shorncote Quarry

BCL HYDRO
BCL Consultant Hydrogeologists Limited

Technology Centre, Wolverhampton Science Park, Glashier Drive, Wolverhampton
West Midlands, WV10 9RU. Tel: 01902 824111, Fax: 01902 824112
email: info@bclhydro.co.uk, web: http://www.bclhydro.co.uk
Registered Office: 33, Wolverhampton Road, Cannock, West Midlands, WV11 1AP
Registered in England & Wales. Company Registration Number: 4043373

Certificate No. 21-03970-Issue 1-Page: 2

Site Address^ WAC/SQ/129

ACSE Sample Number	59852
Sample ID	WAC/SQ/129
Clients Sample Ref.^	
Material Source^	
Location / Sample Depth (m)^	
Time Sampled^	
Date Sampled^	/ /
Sample Deviating Codes	ab
Client's Sample Description^	
ACS Testing Material Description^	
Principal Matrix (as received)	CLAY

LANDFILL WASTE ACCEPTANCE CRITERIA (WAC)

TEST VALUES

Mass of Undried Test Portion (Mw)	90.0	g	Volume of Leachant Used (L10)	0.900	litres
Mass of Dried Test Portion (Mp)	90.0	g			
Moisture Content Ratio (MC)	0.0	%	Volume of Eluate (VE10)	0.834	litres
Dry Matter Content (DR)	100	%			

SOLIDS ANALYSIS

Analyte	Method	AS	Sample Condition for Analysis	**Results**	LANDFILL WASTE ACCEPTANCE CRITERIA SPECIFICATION		
					Inert Waste	Stable non-reactive hazardous waste in non-hazardous landfill	Hazardous waste
Total Organic Carbon (%)	MT/ACSE/102	*a	As received	**0.82**	3 %	5 %	6 %
Loss on ignition (%)	MT/ACSE/302	*a	Air dried at 30°C	**2.0**	---	---	10 %
BTEX (mg/kg)	MT/ACSE/101	*ab	As received	**< 0.60**	6	---	---
PCBs (7 congeners) (mg/kg)	MT/ACSE/110		As received	**< 1.00**	1	---	---
Mineral oil (C10 - C40) (mg/kg)	MT/ACSE/105	b	As received	**< 50**	500	---	---
PAHs (mg/kg)	MT/ACSE/108	*ab	As received	**2.68**	100	---	---
pH (units)	MT/ACSE/301	*a	Air dried at 30°C	**8.2**	---	>6	---

ELUATE ANALYSIS

Analyte	Method	AS	Concentration in Eluate (mg/l)	Amount Leached (mg/kg)	LANDFILL WASTE ACCEPTANCE CRITERIA SPECIFICATION		
					BS EN 12457-2-2002 LIMIT VALUES (mg/kg) at L/S 10		
					Inert Waste	Stable non-reactive hazardous waste in non-hazardous landfill	Hazardous waste
Eluate Preparation	LP/ACSE/811						
Liquid : Solid Ratio (L/S)	LP/ACSE/101	*	**L/S 10**	**L/S 10**			
pH (units)	MT/ACSE/301	*	7.8				
Temperature (°C)	MT/ACSE/301		20				
Conductivity (mS/m)	MT/ACSE/303	*	11.15				
Arsenic	MT/ACSE/205	*	< 0.007	**< 0.070**	0.5	2	25
Barium	MT/ACSE/205	*	0.0259	**0.259**	20	100	300
Cadmium	MT/ACSE/205	*	< 0.0008	**< 0.008**	0.04	1	5
Chromium (total)	MT/ACSE/205	*	< 0.001	**< 0.010**	0.5	10	70
Copper	MT/ACSE/205	*	< 0.008	**< 0.080**	2	50	100
Mercury	MT/ACSE/202	*	< 0.0001	**< 0.0010**	0.01	0.2	2
Molybdenum	MT/ACSE/205	*	0.0035	**0.035**	0.5	10	30
Nickel	MT/ACSE/205	*	0.0010	**0.0099**	0.4	10	40
Lead	MT/ACSE/205	*	< 0.004	**< 0.040**	0.5	10	50
Antimony	MT/ACSE/205	*	< 0.003	**< 0.030**	0.06	0.7	5
Selenium	MT/ACSE/205	*	< 0.006	**< 0.060**	0.1	0.5	7
Zinc	MT/ACSE/205	*	< 0.002	**< 0.020**	4	50	200
Chloride	MT/ACSE/204	*	2.30	**22.98**	800	15000	25000
Fluoride	MT/ACSE/204	*	0.35	**3.520**	10	150	500
Sulphate	MT/ACSE/204	*	7.20	**71.99**	1000	20000	50000
Total dissolved solids	MT/ACSE/304	*	95	**950**	4000	60000	100000
Phenol index	MT/ACSE/107	*	< 0.05	**< 0.50**	1	---	---
Dissolved organic carbon	MT/ACSE/103	*	3.88	**38.80**	500	800	1000

Comments: (comments are beyond the scope of UKAS accreditation)

Key (at clients request):

Individual test result exceeds the landfill waste acceptance criteria limit for inert waste.

The landfill waste acceptance criteria limits are provided for guidance only.
Eluates prepared in accordance with BS EN 12457-2:2002*

Certificate No. 21-02737-Issue 1-Page: 2

Site Address^ Recycling Yard Cirencester

ACSE Sample Number	55863
Sample ID	579932 - 21-72028
Clients Sample Ref.^	Recycling Yard
Material Source^	Soil/Stone
Location / Sample Depth (m)^	Cirencester
Time Sampled^	
Date Sampled^	28/04/2021
Sample Deviating Codes	ef
Client's Sample Description^	
ACS Testing Material Description^	Soil/Stone
Principal Matrix (as received)	Loam

LANDFILL WASTE ACCEPTANCE CRITERIA (WAC)

TEST VALUES

Mass of Undried Test Portion (Mw)	93.2	g	Volume of Leachant Used (L10)	0.897	litres
Mass of Dried Test Portion (Mp)	90.0	g			
Moisture Content Ratio (MC)	3.6	%	Volume of Eluate (VE10)	0.798	litres
Dry Matter Content (DR)	96.6	%			

SOLIDS ANALYSIS

Analyte	Method	AS	Sample Condition for Analysis	Results	LANDFILL WASTE ACCEPTANCE CRITERIA SPECIFICATION		
					Inert Waste	Stable non-reactive hazardous waste in non-hazardous landfill	Hazardous waste
Total Organic Carbon (%)	MT/ACSE/102	*	As received	2.71	3 %	5 %	6 %
Loss on ignition (%)	MT/ACSE/302	*f	Air dried at 30°C	8.1	---	---	10 %
BTEX (mg/kg)	MT/ACSE/101	*ef	As received	< 0.60	6	---	---
PCBs (7 congeners) (mg/kg)	MT/ACSE/104	*	Air dried at 30°C	< 1.00	1	---	---
Mineral oil (C10 - C40) (mg/kg)	MT/ACSE/105		As received	74	500	---	---
PAHs (mg/kg)	MT/ACSE/108	*#	As received	8.46	100	---	---
pH (units)	MT/ACSE/301	*ef	Air dried at 30°C	7.6	---	>6	---

ELUATE ANALYSIS

Analyte	Method	AS	Concentration in Eluate (mg/l)	Amount Leached (mg/kg)	LANDFILL WASTE ACCEPTANCE CRITERIA SPECIFICATION BS EN 12457-2-2002 LIMIT VALUES (mg/kg) at L/S 10		
					Inert Waste	Stable non-reactive hazardous waste in non-hazardous landfill	Hazardous waste
Eluate Preparation	LP/ACSE/811						
Liquid : Solid Ratio (L/S)	LP/ACSE/101	*	L/S 10	L/S 10			
pH (units)	MT/ACSE/301	*	8.8				
Temperature (°C)	MT/ACSE/301		20				
Conductivity (mS/m)	MT/ACSE/303	*	25.80				
Arsenic	MT/ACSE/205	*	< 0.007	< 0.070	0.5	2	25
Barium	MT/ACSE/205	*	0.0547	0.547	20	100	300
Cadmium	MT/ACSE/205	*	< 0.0008	< 0.008	0.04	1	5
Chromium (total)	MT/ACSE/205	*	0.001	0.015	0.5	10	70
Copper	MT/ACSE/205	*	< 0.008	< 0.080	2	50	100
Mercury	MT/ACSE/202	*	< 0.0001	< 0.0010	0.01	0.2	2
Molybdenum	MT/ACSE/205	*	0.0050	0.050	0.5	10	30
Nickel	MT/ACSE/205	*	0.0030	0.0299	0.4	10	40
Lead	MT/ACSE/205	*	< 0.004	< 0.040	0.5	10	50
Antimony	MT/ACSE/205	*	< 0.003	< 0.030	0.06	0.7	5
Selenium	MT/ACSE/205	*	< 0.006	< 0.060	0.1	0.5	7
Zinc	MT/ACSE/205	*	0.025	0.245	4	50	200
Chloride	MT/ACSE/204	*	< 3.00	< 30.00	800	15000	25000
Fluoride	MT/ACSE/204	*	0.35	3.470	10	150	500
Sulphate	MT/ACSE/204	*	16.22	162.2	1000	20000	50000
Total dissolved solids	MT/ACSE/304	*	155	1550	4000	60000	100000
Phenol index	MT/ACSE/107	*	< 0.05	< 0.50	1	---	---
Dissolved organic carbon	MT/ACSE/103	*	20.4	204.1	500	800	1000

Comments: (comments are beyond the scope of UKAS accreditation)

Key (at clients request):

Individual test result exceeds the landfill waste acceptance criteria limit for inert waste.

The landfill waste acceptance criteria limits are provided for guidance only.
Eluates prepared in accordance with BS EN 12457-3:2002*

Certificate No. 21-02516-Issue 1-Page: 2

Site Address^ Rec Yard

ACSE Sample Number	55062
Sample ID	573529 - 21-71122
Clients Sample Ref.^	Soil Sample
Material Source^	Soil/Clay
Location / Sample Depth (m)^	Shorncote Rec Yard
Time Sampled^	1310
Date Sampled^	17/03/2021
Sample Deviating Codes	ef
Client's Sample Description^	
ACS Testing Material Description^	Soil
Principal Matrix (as received)	Loam

LANDFILL WASTE ACCEPTANCE CRITERIA (WAC)

TEST VALUES

Mass of Undried Test Portion (Mw)	90.8	g	Volume of Leachant Used (L10)	0.899	litres
Mass of Dried Test Portion (Mp)	90.0	g			
Moisture Content Ratio (MC)	0.9	%	Volume of Eluate (VE10)	0.866	litres
Dry Matter Content (DR)	99.1	%			

SOLIDS ANALYSIS

Analyte	Method	AS	Sample Condition for Analysis	**Results**
Total Organic Carbon (%)	MT/ACSE/102	*	As received	**1.53**
Loss on ignition (%)	MT/ACSE/302	*ef	Air dried at 30°C	**3.4**
BTEX (mg/kg)	MT/ACSE/101	*ef	As received	**< 0.60**
PCBs (7 congeners) (mg/kg)	MT/ACSE/104	*	Air dried at 30°C	**< 1.00**
Mineral oil (C10 - C40) (mg/kg)	MT/ACSE/105		As received	**< 50**
PAHs (mg/kg)	MT/ACSE/108	*#ef	As received	**4.20**
pH (units)	MT/ACSE/301	*ef	Air dried at 30°C	**8.9**

ELUATE ANALYSIS

Analyte	Method	AS	Concentration in Eluate (mg/l)	Amount Leached (mg/kg)
Eluate Preparation	LP/ACSE/811			
Liquid : Solid Ratio (L/S)	LP/ACSE/101	*	**L/S 10**	**L/S 10**
pH (units)	MT/ACSE/301	*	8.2	
Temperature (°C)	MT/ACSE/301		20	
Conductivity (mS/m)	MT/ACSE/303	*	25.20	
Arsenic	MT/ACSE/205	*	< 0.007	**< 0.070**
Barium	MT/ACSE/205	*	0.0651	**0.651**
Cadmium	MT/ACSE/205	*	< 0.0008	**< 0.008**
Chromium (total)	MT/ACSE/205	*	< 0.001	**< 0.010**
Copper	MT/ACSE/205	*	< 0.008	**< 0.080**
Mercury	MT/ACSE/202	*	< 0.0001	**< 0.0010**
Molybdenum	MT/ACSE/205	*	0.0028	**0.028**
Nickel	MT/ACSE/205	*	< 0.0008	**< 0.0080**
Lead	MT/ACSE/205	*	< 0.004	**< 0.040**
Antimony	MT/ACSE/205	*	< 0.003	**< 0.030**
Selenium	MT/ACSE/205	*	< 0.006	**< 0.060**
Zinc	MT/ACSE/205	*	< 0.002	**< 0.020**
Chloride	MT/ACSE/204	*	5.14	**51.39**
Fluoride	MT/ACSE/204	*	0.24	**2.420**
Sulphate	MT/ACSE/204	*	71.89	**718.9**
Total dissolved solids	MT/ACSE/304	*	245	**2450**
Phenol index	MT/ACSE/107	*	< 0.05	**< 0.50**
Dissolved organic carbon	MT/ACSE/103	*	9.04	**90.37**

LANDFILL WASTE ACCEPTANCE CRITERIA SPECIFICATION

Inert Waste	Stable non-reactive hazardous waste in non-hazardous landfill	Hazardous waste
3 %	5 %	6 %
---	---	10 %
6	---	---
1	---	---
500	---	---
100	---	---
---	>6	---

LANDFILL WASTE ACCEPTANCE CRITERIA SPECIFICATION

BS EN 12457-2-2002 LIMIT VALUES (mg/kg) at L/S 10

Inert Waste	Stable non-reactive hazardous waste in non-hazardous landfill	Hazardous waste
0.5	2	25
20	100	300
0.04	1	5
0.5	10	70
2	50	100
0.01	0.2	2
0.5	10	30
0.4	10	40
0.5	10	50
0.06	0.7	5
0.1	0.5	7
4	50	200
800	15000	25000
10	150	500
1000	20000	50000
4000	60000	100000
1	---	---
500	800	1000

Comments: (comments are beyond the scope of UKAS accreditation)

Key (at clients request):

Individual test result exceeds the landfill waste acceptance criteria limit for inert waste.

The landfill waste acceptance criteria limits are provided for guidance only.
Eluates prepared in accordance with BS EN 12457-3:2002*