

# Manston Airport Development Consent Order 2018 Consultation

Preliminary Environmental Information Report (PEIR) Volume IX Appendix 10.1 Appendix B-Appendix F

For consultation January 2018

Scheme NameManston Airport DCOPromoter's NameRiverOak Strategic Partners LimitedAuthorWood

Document Number TR020002/SC2018/02/09

### **Suite of Consultation Documents**

**1.1** As part of this second statutory consultation under section 47 of the Planning Act 2008 a suite of consultation documents relating to the proposal to reopen Manston Airport is available to the public. Together, these documents give an overview of the development proposals including information on the potential benefits and impacts of the Project. The documents also provide further information about environmental considerations following further progression of environmental assessments, as well as a draft Noise Mitigation Plan that has been developed as part of the response to the 2,200 consultation responses that were received in response to the first statutory consultation held between 12 June and 23 July 2017 ('the 2017 consultation'). Further information is also provided on how the public can submit their feedback.

**1.2** Similarly to the 2017 consultation, this consultation also forms part of RiverOak's initial engagement on the design of airspace and procedures associated with the airport. As such it is a further opportunity for members of the community to highlight any factors which they believe RiverOak should take into account during that design phase. Having taken all such factors into account, the subsequent proposals for flightpaths and airspace will be subject to a separate round of consultation once the DCO application has been made.

1.3 The suite of consultation documents includes:

- 1.3.1 an introduction to the consultation;
- 1.3.2 an updated preliminary environmental information report ('PEIR');
- 1.3.3 a non-technical summary of the PEIR;
- 1.3.4 an updated masterplan;
- 1.3.5 a Noise Mitigation Plan;
- 1.3.6 a Statement of Community Consultation;
- 1.3.7 an updated analysis of air freight and need; and
- 1.3.8 a feedback form.



# Appendix 10.1 Appendix B

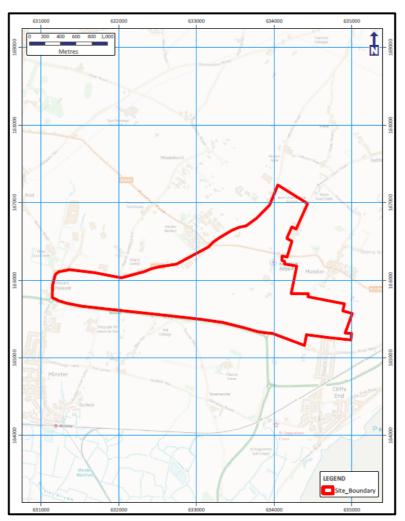
Landmark Information Group Ltd Imperium, Imperial Way Reading, Berkshire RG2 0TD United Kingdom

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# Preliminary Unexploded Ordnance (UXO) Risk Assessment

Meeting the requirements of CIRIA C681 'Unexploded Ordnance (UXO) – A guide for the Construction Industry' Risk Management Framework



#### 6 Alpha Project Number: P5188

Site: Kent International Airport Ltd, Kent International Airport, Manston, Ramsgate, Kent, CT12 5BL

**Originator:** Nathan Howard **Released By:** Rachel Bullock (18<sup>th</sup> March 2016)







6 Alpha Project Number: P5188 Landmark Order Number: 82802615\_1 Client Reference: 38199-15 www.envirocheck.co.uk - +44 (0) 844 844 9952 customerservice@envirocheck.co.uk



### **Study Site**

The Study Site is described as 'Kent International Airport Ltd, Manston, Ramsgate, Kent, CT12 5BL', and it is centred on National Grid Reference 633340, 165960.

### **Threat Potential**

#### UXO PROBABILITY ASSESSMENT = 4 RATING, INDICATING A

#### MEDIUM/HIGH PROBABILITY OF UXO ENCOUNTER

The rating scale can be seen on *Figure 2* (Probability of UXO Encounter). In accordance with current guidelines (*CIRIA* C681 Chapter 5), the highest risk rating has been determined at this specific site for UXO risk consideration and has been used for the final assessment and recommendations.

### Summary

During WWII the Study Site was situated within *Eastry Rural District* and *Ramsgate Municipal Borough*, which recorded 3 and 53 High Explosive (HE) bomb strikes per 100 hectares; a low and high level of bombing.

Luftwaffe aerial reconnaissance photography associated with the Site identified an airfield (located on-Site) as a primary bombing target.

Air Raid Precaution (ARP) records reveal that a container holding up to 250 bombs was dropped on-Site. In addition, further research reveals that *Manston* airfield (located on-Site) was subjected to heavy bombing during WWII.

Official bomb damage mapping could not be located. Despite this, further research suggests that a number of on-Site buildings sustained significant bomb damage during WWII.

Given the existence of an airfield on-Site; it would suggest that further action is warranted to address the potential for UXO encounter.

#### Recommendations

In accordance with *CIRIA* C681 Chapter 5 on managing UXO risks, *6 Alpha* recommends that the next stage in the risk management framework is:

### **DETAILED UXO THREAT & RISK ASSESSMENT**

We would be pleased to provide this service, please contact *Envirocheck* for further details:

Telephone: +44 (0)844 844 9952

Email: customerservice@envirocheck.co.uk

### **Using This Report**

This Preliminary Assessment is designed to inform environmental and construction professionals of the potential threat of military related explosives and/or ordnance on, or in, the vicinity of the Study Site.

This assessment is designed to be employed as a site-screening tool to meet with the requirement of Phase One of the *CIRIA UXO Risk Management Framework*; there are two broad prospective outcomes; either the threat level requires a Detailed Threat and Risk Assessment; or no further action is required. In the former instance we can provide a report within 14 working days (or more quickly upon application).

Two figures accompany the report, the *Second World War* (WWII) High Explosive (HE) Bomb Density and the final Probability of UXO Encounter. The purpose of this approach is to demonstrate that whilst bomb density statistics give an indication for WWII bombing, they should not be relied upon exclusively to generate a holistic assessment.

For further information, please contact *Envirocheck*:Telephone: +44 (0)Website: <a href="http://www.envirocheck.co.uk">http://www.envirocheck.co.uk</a>Email: customerser

Telephone: +44 (0)844 844 9952 Email: customerservice@envirocheck.co.uk

## **Senvirocheck** Unexploded Ordnance Probability Assessment



Data Findings							
Threat Source		Detail					
(Within 1,000m)	Identified	Comments					
Airfields/Military Facilities	✓	<i>Royal Air Force (RAF) Manston</i> airfield and <i>Manston</i> camp were located on-Site.					
Ordnance Manufacture/Storage	×	None recorded within 1,000m.					
WWII Decoy Bombing Sites	<b>~</b>	A decoy site was located 305m to the north.					
WWII Defensive Features	✓	Seven pillboxes were located on-Site.					
WWII Luftwaffe Designated Bombing Targets	~	<i>Luftwaffe</i> aerial photography identified an airfield (located on-Site) as a primary bombing target.					
Secondary Bombing Targets	×	None recorded within 1,000m.					
WWII Bomb Strikes Within Site Boundary	~	ARP records identified that a container holding up to 250 bombs (possibly incendiary bombs) was dropped on-Site.					
WWII Bomb Strikes Near Site Boundary	<b>~</b>	Research verified that the immediate area was heavily bombed during WWII.					
WWII Bomb Damage	<b>~</b>	Further investigation confirmed that on-Site buildings sustained bomb damage.					
Abandoned Bomb Register	×	None recorded within 1,000m.					
WWII Bombing Density Per 100 Hectares	<b>~</b>	<i>Eastry Rural District</i> and <i>Ramsgate Municipal Borough</i> recorded 3 and 53 HE bomb strikes per 100 hectares.					
	Im	portant Notes					

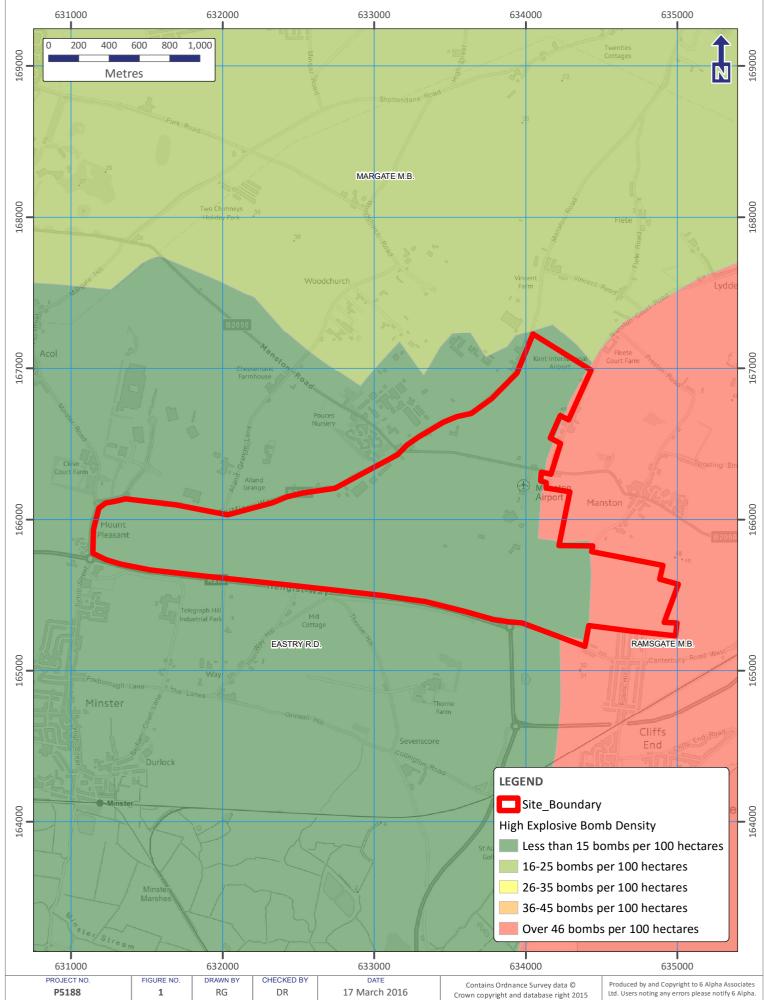
- The term 'Preliminary UXO Risk Assessment' has been used to describe this report, to fall in line with the CIRIA C681 guidelines. Whilst the term 'Risk' can be justifiably used at this stage, the reader should note that the 'Consequence' function of 'Risk' is not considered. Should it be required, this would be addressed in the 'Detailed UXO Threat & Risk Assessment' (Stages 2 and 3).
- 2. This report is accurate and up to date at the time of writing.
- 3. The assessment levels have been generated from historical data and third party sources. Where possible *6 Alpha* have sought to verify the accuracy of such data, but cannot be held accountable for inherent errors that may be in third party data sets (e.g. *National Archives* or library sources).
- 4. 6 Alpha have exercised all reasonable care, skill and due diligence in producing this service.
- 5. Whilst every effort has been used to identify all potential UXO/explosive threats, there were a number of private facilities, which may not have released privately recorded information concerning UXO/explosive threats into the public domain. It is therefore possible that some of the aforementioned sites may not be included within the database.



### KENT INTERNATIONAL AIRPORT LTD, MANSTON, RAMSGATE, KENT, CT12 5BL



### WWII High Explosive Bomb Density

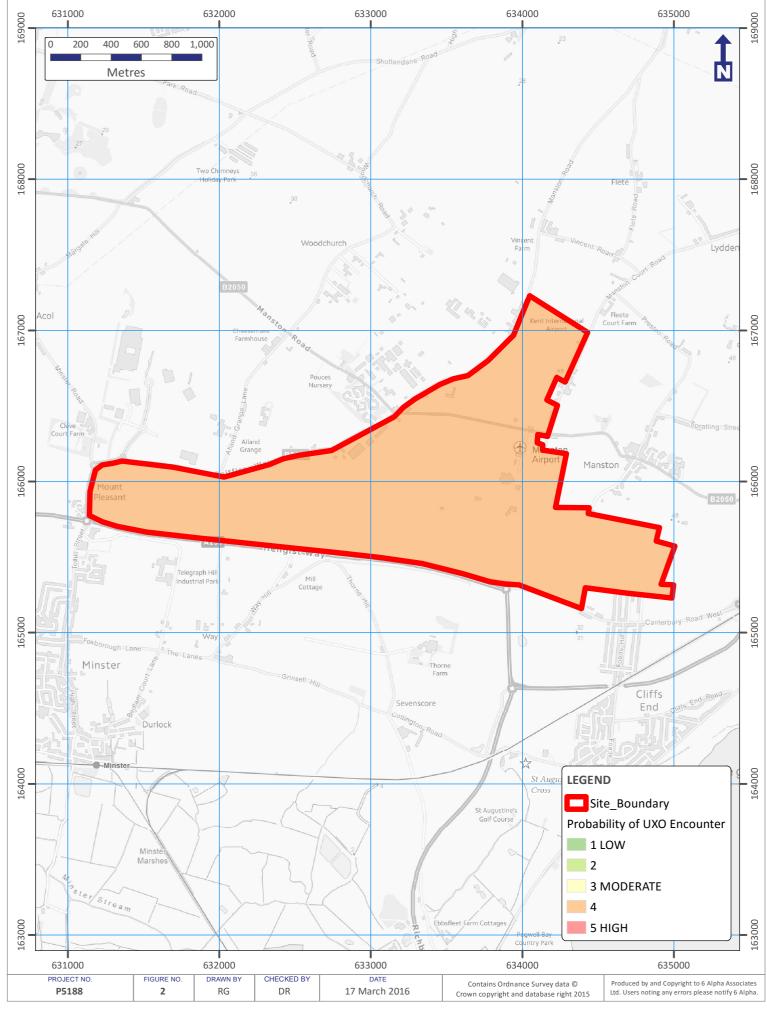




### KENT INTERNATIONAL AIRPORT LTD, MANSTON, RAMSGATE, KENT, CT12 5BL



### **Probability of UXO Encounter**





# Appendix 10.1 Appendix C



The environmental risk assessment aims to assess the significance of each potential contaminant linkage. Each potential linkage is qualitatively assessed using the following criteria:

- potential consequence of contaminant receptor linkage;
- likelihood of contaminant receptor linkage; and
- risk classification.

The definitions for the qualitative risk assessment have been taken from "Guidance for the Safe Development of Housing on Land Affected by Contamination" Annex 4 R&D Publication 66: 2008 Volume 2.

The Likelihood Probability Classifications of SPR Linkage being realised is presented in Table C.1

#### Table C.1 Likelihood Probability Classifications of SPR Linkage being realised

Classification	Definition	Examples
Unlikely	There is pollutant linkage but circumstances are such that it is improbable that an event would occur even in the very long-term.	<ul> <li>a) Elevated concentrations of toxic contaminants are present below hardstanding.</li> <li>b) Light industrial unit &lt;10 yrs old containing a double skinned UST with annual integrity testing results available.</li> </ul>
Low Likelihood	There is pollutant linkage and circumstances are possible under which an event could occur. However, it is by no means certain that even over a long period such an event would take place, and is less likely in the shorter term.	<ul> <li>a) Elevated concentrations of toxic contaminants are present in soils at depths &gt;1m in a residential garden, or 0.5-1.0m in public open space.</li> <li>b) Ground/groundwater contamination could be present on a light industrial unit constructed in the 1990s containing a UST in operation over the last 10 years – the tank is double skinned but there is no integrity testing or evidence of leakage.</li> </ul>
Likely	There is pollutant linkage and all the elements are present and in the right place which means that it is probable that an event will occur. Circumstances are such that an event is not inevitable, but possible in the short-term and likely over the long-term.	<ul> <li>a) Elevated concentrations of toxic contaminants are present in soils at depths of 0.5-1.0m in a residential garden, or the top 0.5m in public open space.</li> <li>b) Ground/ groundwater contamination could be present from an industrial site containing a UST present between 1970 and 1990. The tank is known to be single skin. There is no evidence of leakage although there are no records of integrity tests.</li> </ul>
High Likelihood	There is pollutant linkage and an event would appear very likely in the short-term and almost inevitable over the long-term, or there is evidence at the receptor of harm or pollution	<ul> <li>a) Elevated concentrations of toxic contaminants are present in soils in the top 0.5m in a residential garden.</li> <li>b) Ground/groundwater contamination could be present from chemical works, containing a number of USTs, having been in operation on the same site for over 50 years.</li> </ul>

"Potential Consequence of Contaminant Linkage" gives an indication of the sensitivity of a given receptor to a particular source or contaminant of concern under consideration. It is a worst case classification and is based on full exposure via the particular linkage being examined. The classification of consequence is presented in Table C.2



Table C.2         Outline of Worst-Case Hazard Consequence Classifications for Receptor Types from Contamination Impact:
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Classification	Human Health	Controlled Water	Ecology	Property	Examples
				Structures/Crops and animals	
Severe	Highly elevated concentrations <b>likely</b> to result in "significant harm" to human health as defined by the EPA 1990, Part 2A, if exposure occurs.	Equivalent to EA Category 1 pollution incident including persistent and/or extensive effects on water quality; leading to closure of a potable abstraction point; major impact on amenity value or major damage to agriculture or commerce.	Major damage to aquatic or other ecosystems, which <b>is</b> <b>likely</b> to result in a substantial adverse change in its functioning or harm to a species of special interest that endangers the long-term maintenance of the population.	Catastrophic damage to crops, buildings or property.	Significant harm to humans is defined in circular 01/2006 as death, disease*, serious injury, genetic mutation, birth defects or the impairment of reproductive functions. Major fish kill in surface water from large spillage of contaminants from site. Highly elevated concentrations of Hazardous or priority substances present in groundwater close to small potable abstraction (high sensitivity). Explosion, causing building collapse (can also equate to immediate human health risk if buildings are occupied).
Medium	Elevated concentrations which <b>could</b> result in "significant harm" to human health as defined by the EPA 1990, Part 2A if exposure occurs.	Equivalent to EA Category 2 pollution incident including significant effect on water quality; notification required to abstractors; reduction in amenity value or significant damage to agriculture or commerce.	Significant damage to aquatic or other ecosystems, which <b>may</b> result in a substantial adverse change in its functioning or harm to a species of special interest that may endanger the long-term maintenance of the population.	Significant damage to crops, buildings or property.	Significant harm to humans is defined in circular 01/2006 as death, disease*, serious injury, genetic mutation, birth defects or the impairment of reproductive functions. Damage to building rendering it unsafe to occupy e.g. foundation damage resulting in instability. Ingress of contaminants through plastic potable water pipes.
Mild	Exposure to human health <b>unlikely</b> to lead to "significant harm".	Equivalent to EA Category 3 pollution incident including minimal or short lived effect on water quality; marginal effect on amenity value, agriculture or commerce.	Minor or short lived damage to aquatic or other ecosystems, which <b>is unlikely</b> to result in a substantial adverse change in its functioning or harm to a species of special interest that would endanger the long-term maintenance of the population.	Minor damage to crops, buildings or property.	Exposure could lead to slight short-term effects (e.g. mild skin rash). Surface spalling of concrete.



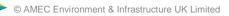
Classification	Human Health	Controlled Water	Ecology	Property	Examples
				Structures/Crops and animals	
Minor	No measurable effects on humans	Equivalent to insubstantial pollution incident with no observed effect on water quality or ecosystems.	Equivalent to insubstantial pollution incident with no observed effect on water quality or ecosystems.	Repairable effects of damage to buildings, structures and services.	The loss of plants in a landscaping scheme. Discoloration of concrete.



#### The risk matrix to link the likelihood and consequence is shown in Table C.3

ble C.3	Risk Matrix			
kelihood:	Unlikely	Low Likelihood	Likely	High Likelihood
otential Conseq	uence:			
evere	Moderate/low	Moderate Risk	High Risk	Very High Risk
edium	Low	Moderate/low	Moderate Risk	High Risk
ild	Very low risk	Low Risk	Moderate/low	Moderate Risk
inor	Very low risk	Very low risk	Low Risk	Low Risk
inor	Very low risk	Very low risk	Low Risk	Low

The overall risk definitions are summarised in Table C.4.



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Table C.4	Risk Definitions
Very Low	It is a low possibility that harm could arise to a designated receptor, but it is likely at worst, that this harm if realised would normally be mild or minor.
Low	It is possible that harm could arise to a designated receptor from identified hazard, but it is likely at worst, that this harm if realised would normally be mild. It is unlikely that the site owner/or occupier would face substantial liabilities from such a risk. Further investigative work (which is likely to be limited) to clarify the risk may be required. Any subsequent remediation works are likely to be relatively limited.
Medium	It is possible that harm could arise to a designated receptor from an identified hazard. However, it is either relatively unlikely that any such harm would be severe, and if any harm were to occur it is more likely, that the harm would be relatively mild. Further investigative work is normally required to clarify the risk and to determine the potential liability to site owner/occupier. Some remediation works may be required in the longer term.
High	Harm is likely to arise to a designated receptor from an identified hazard at the site without remediation action. Realisation of the risk is likely to present a substantial liability to the site owner/or occupier. Investigation is required as a matter of urgency to clarify the risk. Remediation works may be necessary in the short-term and are likely over the longer term.
Very High	There is a high probability that severe harm could arise to a designated receptor from an identified hazard at the site without remediation action OR there is evidence that severe harm to a designated receptor is already occurring. Realisation of that risk is likely to present a substantial liability to be site owner/or occupier. Investigation is required as a matter of urgency and remediation works likely to follow in the short-term.



# Appendix 10.1 Appendix D

#### Geotechnical Risk Register GRR 01

AMEC Project Number:	38199
Project Title:	Manston Airfield
Stage:	Phase 1 Desk Study
Compiled by: BC	Checked by: PMC



The risk register is a means of documenting perceived risks and their importance and recording actions taken to manage them. The key elements of a geotechnical risk register are as follows:

- 1. Identify the geotechnical risks.
- 2. Identify the methods of construction that may be incorporated into the project.
- 3. Scale the risks according to probability and impact.
- 4. Based on the severity of each risk, decide on the type of action.
- 5. Identify how each risk should be managed.
- 6. Record the actions taken to manage the risk.
- 7. Reassess the severity of each risk after action has been taken.
- 8. Review the risk register at regular intervals and communicate.

The risk register is a live document and should be reviewed on a regular basis and at the end of each stage of the project.

The probability (P) that a given event will occur is given by the following:

<u>Scale</u>	Likeihood	Chance per section of work
		(Amend to suit local conditions and to be agreed with the Client)
1	Negligible	< 1 in 100
2	Unlikely	1 in 100 to 1 in 10
3	Possible	1 in 10 to 1 in 5
4	Probable	1 in 5 to 1 in 2
5	Almost certain	> 1 in 2

The impact (I) of a given event is given by the following:

<u>Scale</u>	Effect	Increase in cost or time (% increase)
		(Amend to suit local conditions and to be agreed with the Client)
1	Negligible	< 1%
2	Very low	1% to 4%
3	Low	4% to 8%
4	High	8% to 15%
5	Very high	> 15%

The risk after the application of risk control measures should be reviewed in the light of the following table:

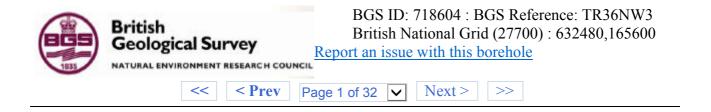
Degree of Risk	Risk Level	Action Required
1 - 4	Trivial	None
5 - 9	Tolerable	Consider more cost-effective solutions or improvements
10 - 15	Substantial	Work must not start until risk has been reduced
16 - 25	Intolerable	Work must not start until risk has been reduced. If risk cannot be reduced, project should not proceed.

The risks and their potential impacts may vary between the various stages of the project, such as the risk to and from buried services, where the impact can be much higher during a ground investigation than during a desk study.

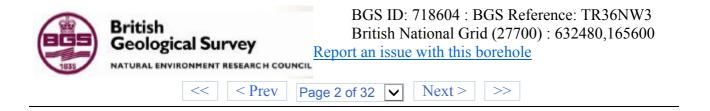
Stage	Risk No Hazard		Prior to RCM		1	Risk Control Measure (RCM)		ər M	
			Probability (P)	Impact (I)	Risk ( $R = P \times I$ )		Probability (P)	Impact (I)	Risk (R = P x I)
Completion of Geotechnical	DS 01	Collapsible Deposits Hazard	4	3	12	Carry out Ground Investigation to characterise the chalk underlying the site.	4	3	12
Desk Study	DS 02	Made Ground	4	4	16	Undertake intrusive investigation to determine extent of possible Made Ground associated with the airfield development	2	4	8
	DS 03	Ground Dissolution for Soluble Rocks	4	3	12	Undertake an intrusive site investigation to determine what ground conditions are present beneath the site. Consider the hazard in construction and building design	4	3	12
	DS 04	Historic Chalk Mining	4	5	20	Obtain further information relating to the potential for chalk mining in the surrounding area of the site and wihtin the site boundary, A mine adit and a shaft are located in the eastern and western areas of the site.	4	5	20
	DS 05	Infilled Chalk Pits	4	4	16	Undertake intrusive Ground Investigation to deliniate Made Ground extent.	3	4	12
	DS 06	Solution Features	4	5	20	Carry out Ground Investigation to characterise the chalk underlying the site and determine any solution features.	4	4	16
	DS 07	Existing underground and overhead services.	3	4	12	Ensure all utilities data are available. Avoid known services, call out service providers in critical areas, carry out CAT scans and hand excavated inspection pits at borehole locations	2	4	8
	DS 08	Uncharted services	3	4	12	Carry out CAT scans and hand excavated inspection pits to 1.20m at borehole locations	2	4	8
	DS 09	Site of ecological importance	3	3	9	Undertake an ecology survey to determine the presence of any protected species and put in place any mitigation measures to protect against any proposed works.	3	3	9
	DS 10	Unexploded Ordnance	4	5	20	Detailed UXO report required before Ground Investigation is to be undertaken following historic land use as an RAF airfield.	3	5	15
	DS 11	Effects of trees on foundation design	2	4	8	Undertake tree survey identifiting type and height	2	4	8



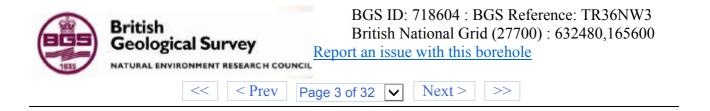
# Appendix 10.1 Appendix E



TR 36 NW 3: Q-22 274/186. RECORD OF WELL (SHAFT oro! of Ramsgate British Geological Survey Minster Town or Village .County\_ Kent Exact site. in parish of... inap is very desirable) Level of ground surface above sea-level (O.D.) /6 ft. If well starts below ground surface, state how far. .ft. Shaft 6 ft., dianeter 4 to very Bore\_\_\_\_\_ft. Diameter of bore : at top\_\_\_\_ ins.; at bottom ins. British Geological Survey Details of permanent lining tubes (internal diameters preferred). None used. Water struck at depths of (feet)\_ Rest-level of water below top of well\_\_\_\_\_feet. hours' test Suction at\_\_\_\_ feet. Yield on \_\_gallons per\_\_\_\_\_ \_\_\_\_\_(with pump of capacity\_\_\_\_\_\_g.p.h.); depressing water level to feet below top. Time of recovery\_\_\_\_hrs. Amount normally pumped daily\_\_\_\_ \_\_\_\_g.p.h. for\_\_ \_hours. Quality (attach copy of analysis if available)\_ Sunk by L: Crand S. & for Mr. Date of well 31. 7. 35. Information from\_\_\_\_ Le Grand (For Survey use only). GEOLOGICAL CLASSIFICATION. THICKNESS DEPTH NATURE OF STRATA (and any additional remarks). Feet. Inches Feet. Inches. , · · Shaft Sinking 6! x 40 and a gained Earth and Chalk appen 4 Chalk with occasional bands of flints ·78 82 chalk 6 Chalk and Flints 94 176 6 Drove 4'0" into old heading at this 5 ca H. 1939 depth - eventually drove to 2712". X 6" band of flints at 86'6". New Heading 6' x 4' then commenced and continued for a distance of 5280 direction - N.W. Heading driven at a general level of 176 b.s So far as we were informed the increased supply as a result of the new shaft and heading was between 35 and 40,000 g.p.h. No actual pumping was done by us. Extension of shome detailed under 274/18 SOR# 1939 Seted 13.2-40 This is 4 100 H Survey us GEOLOGICAL SURVEY AND MUSEUM Date G.S.M. OM Site marked on 1 map (use symbol) SOUTH KENSINGTON DEG 1939 LONDON. S.W.7. (\*11815) Wt.200 LNJ 13. Id. in



274/8 Thanet Water Board, Ransgate TR 36/24 Whitehall Pumping Station, Whitehall Road. (a) W.S.K. pp. 184-5. Surface +99. Shaft 110 x 9 x 7 (oval). ?1835.
 (b) W.S.K. pp. 184-5. Surface +99. Shaft 115 x 9. ?1835.
 (a) and (b) Hardness: P. 59, T. 204. Anal. Mar. 1873. Headings: 4,800, floor 106% down. R.W.L. +8%. P.W.L. +2%. (winter); -4%. (summer). 1887. Headings extended to (i) 3,950 x 6 x 4½ N.N.E., floor 106½ down; (ii) 7,920 x 6 x 4½ W.S.W., floor 106% down. 1893-95. (c) W.S.K. pp. 184-5. Surface +97½. Shaft 112 x 12. Connected to (a) and (b) by headings. 1896. Headings extended to 13,000 mainly W.S.W. from (ii). Before 1905. Hardness: P. 53, T. 179. Ci 129. Anal. Jan. 1905. Headings: (iii) 4,860 N.W. from previous extension at a point where well (d) was subsequently sunk in 1933, floor -2. 1923-24. P.W.L. +2. May; -1%. Aug. Yield 52,800 g.p.h. 1934. Hardness: P. 103, T. 216. Anal. Mar. 1935. Cl 88. Mar.; 110. July; 146. Oct. 1945. P.W.L. +1, & Yield D. B. C. C. 1948. P.W.L. 14. Yield 50,000 g.p.h. Oct. 1954. Hardmins:
 P. 85, T. 245. Cl 140. Anal. September R.W.L. 12. P.W.L. 114. Yield 72,000 g.p.h. Oct. 1957. R.W.L. 174. P.W.L. 16. Yield 70,000 g.p.h. Oct. 1960. Hardness: P. 60, T. 240. Cl 50. Anal. Nar. 1961. Lord of the Manor Pumping Station. (d) (Standby). Surface +115%. Shaft 120 x 6 x 4 (oval) intercepting extension of heading (ii) in order to reduce the hydraulic gradient and risk of saline infiltration caused by pumping the entire system from Whitehall. 1933. Harchess: P. 44, T. 226. Anal. Apr. 1934. Pumped only in summer. Harchess: P. 75 Antes 220 Anal. Aug. 1957. British Geological Survey British (e) (Filled in). Construction shaft for heading extensions. Surface +166. . Shaft x 6 x 4 (oval) intercepting W. end of heading (iii). Heading: 5,280 x 6 x 4 W., floor 168 down. Increased yield from shaft and heading 35,000 - 40,000 g.p.h. eGrand, 1934-35. survey) UCL 176% 176% British Geological Surve j.) Earth & Chulk. 4 4 1 Upper Mark. \* charge with occasion at bands of fricts 78 82 176-6 challe a finils 94-6 \* 6" band of finits at 86'6" 6607 α. TR. 3740 -, <del>7</del> " O h. , <del>7</del> " D C, 1. d. .. 3535 6511 e. \* 3248 6560 



7.	274/8	Thenet	Water Rass	d, Ressgate		TR	36 NI	713
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ext flo	ended to (1 or 106% dow	) 3,960 x n. <i>1893-</i> 9	6 x 4½ N.N.E., 95.	floor 106% down;	(11) 7,92	20 x 6 x 4½	W. 8. W. ,	
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P.W.	.L. +2. N	ay; -1%.	Aug. Yield	52,800 g.p.h. 193	4. Hardn	ese: P. 10	1 <i>923-24.</i> 3, T. 216.	
An#. 62,1	1. <i>Mar. I</i> 500 g.p.h.	935. C18 Oct. 1948	58. Mar.; 11(	). July; 146. ( Yield 50,000 g.p.	Oct. <b>1945</b> .	P.W.L. +	1. Yield rdness:	
ritish Geological Surve	85, T. 245. . 1957. R.		Anal. Sept. British Geologi	R.W.L. +2. P.1	W.L. +1%.	Yiald 72,		
т. :	240. C1 50		Mar. 1961.	Yield 70,000 g.p.h.	. Oct. 1	960. Hard	nessi P.	60,
Lord	d of the Mar (d) (Star							
head	(d) (Stan ding (ii) in	order to	reduce the hydr	Shaft 120 x 6 x 4 ( mulic gradient and	(oval) int risk of =	ercepting en	ttension of	f
CALI	ted by pumpi	ng the ent P. 44, T.	ire system from	Whitehall, 1933.	• • ·	с. З		
	5, T. 220.	C1 60.	226. Anal. Anal. <i>Aug. 1</i>	957. +	nd only in	summer, 1	lardness:	
<u>с                                    </u>	ritish Geological Su	rvey		British Geological Survey			British G	eological Surv
	(•) (Fill			aft for heading ext		Surface +1	66.	
Shef	t x 6 x 4 (	oval) inte	rcepting W. end	of heading (iii). haft and heading 35	Heading	5,280 × 6		/
	and, 1934-3		yield from M	nert mu nesonng 35	,000 - 40,	g.p.h.		J.
	(e) UCk					176%	-<< 176%	· ·
•								
ritish debiograf Surve	•		· · British Geologi	cal Survey		British Geolo		
ritish deblogical Surve	•	• • •		cal Survey				<u></u>
	ÿ · · · -		I BE CHARKE.					
	ÿ · · · -	.* Challe	i is chalk. with occasion	a a bands of fri	icta			
	ÿ · · · -	.* Challe	I BE CHARKE.		icts	British Geolo	gical Survey	-6
V	pper (Maule	* Challe Challe	i is chalk. with occasion	o al bands of fri	icts	British Geolo	91cal Survey 4 82 176 -	- <b>4</b>
V	Y I <b>ppir (Malle</b> rittsh Geological Su	.* Challe Challe	i is chalk. with occasion i i funilis	e el bando d fri British Geological Survey	icta	British Geolo	91cal Survey 4 82 176 -	- <b>4</b> ∋eological Sd(#
V	Y I <b>ppir (Malle</b> rittsh Geological Su	.* Challe Challe	i is chalk. with occasion i i funilis	e el bando d fri British Geological Survey	icts	British Geolo	91cal Survey 4 82 176 -	ieological Scl₩
V	Y I <b>ppir (Malle</b> rittsh Geological Su	.* Challe Challe	i is chalk. with occasion	e el bando d fri British Geological Survey	icts	British Geolo	91cal Survey 4 82 176 -	eological S((#
V	Y I <b>ppir (Malle</b> rittsh Geological Su	.* Challe Challe	i is chalk. with occasion i i funilis	e el bando d fri British Geological Survey	icta	British Geolo	91cal Survey 4 82 176 -	ieological SdW
V	y I <b>ppur (Maulic</b> ritish Geological Su	* Challe Challe * 6" fau	n III (Malle . with occasion ii ii funides nd of funits	e el bando d fri British Geological Survey	icts	British Geolo	91cal Survey 4 82 176 -	- <b>t</b>
B	P <b>pur (Malle</b> ritish Geological Su	* Challe Challe * 6" fau	i is chalk. with occasion i i funilis	British Geological Survey	icts	British Geolo	4 82 176 - Brittsh G	ieological Sdf
B	P <b>pur (Malle</b> ritish Geological Su	* Challe Challe * 6" fau	the Challe with occasion to fluicks and of fluicks	British Geological Survey	icta	A ' 78 9 → -6	4 82 176 - Brittsh G	eological SdW
B	Y H <b>pair (Maille</b> ritish Geological Su y a. TR	* Challe Challe * 6" fau	the Challe with occasion to fluicks and of fluicks	British Geological Survey	icts	A ' 78 9 → -6	4 82 176 - Brittsh G	eological S((m
B	Y I <b>pair (Maille</b> ritish Geological Su y a. TR b. 4	* Challe Challe * 6" fau	the Challe with occasion to fluicks and of fluicks	British Geological Survey	icts	A ' 78 9 → -6	4 82 176 - Brittsh G	eological St(#
B	Y I <b>pair (Malle</b> ritish Geological Su y b c	* Challe Challe * 6" bau ? 374	Er Challe. with occasion to finites and of finites 660 British Occologi	British Geological Survey	icta	A ' 78 9 → -6	4 82 176 - Brittsh G	eological SdW
ritish Geological Surve	ritish Geological Su y b c c c c c	* Challe Challe * 6" bau * 374 3535 3248	EF CHARK with occasion to fluicks and of fluicks 660 British Geologi 6511	a ム bands d fri British Geological Survey &よ &6'6'' cal Survey	icts	A ' 78 9 → -6	gical Survey 4 82 176 - British O	
ritish Geological Surve	a. TR b c	* Challe Challe * 6" bau * 374 3535 3248	EF CHARK with occasion to finites and of finits 660 British Geologi 6511	British Geological Survey	icts	A ' 78 9 → -6	gical Survey 4 82 176 - British O	eological Surv
B	ritish Geological Su y b c c c c c	* Challe Challe * 6" bau * 374 3535 3248	EF CHARK with occasion to finites and of finits 660 British Geologi 6511	a ム bands d fri British Geological Survey &よ &6'6'' cal Survey	icts	A ' 78 9 → -6	gical Survey 4 82 176 - British O	
ritish Geological Surve	ritish Geological Su y b c c c c c	* Challe Challe * 6" bau * 374 3535 3248	EF CHARK with occasion to finites and of finits 660 British Geologi 6511	a ム bands d fri British Geological Survey &よ &6'6'' cal Survey	icta	A ' 78 9 → -6	gical Survey 4 82 176 - British O	
ritish Geological Surve	ritish Geological Su y b c c c c c	* Challe Challe * 6" bau * 374 3535 3248	EF CHARK with occasion to finites and of finits 660 British Geologi 6511	a ム bands d fri British Geological Survey &よ &6'6'' cal Survey	icts	A ' 78 9 → -6	gical Survey 4 82 176 - British O	
ritish Geological Surve	ritish Geological Su y b c c c c c	* Challe Challe * 6" bau * 374 3535 3248	EF CHARK with occasion to finites and of finits 660 British Geologi 6511	a ム bands d fri British Geological Survey &よ &6'6'' cal Survey	icts	A ' 78 9 → -6	gical Survey 4 82 176 - British O	
ritish Geological Surve	y a. TR y b c c e	* Challe Challe * 6" bau * 374 3535 3248	E Chalk with occasion to finits and of finits 660 British Geologi 5511 6560	a A bands of fri         British Geological Survey         at 86'6''         cal Survey	icts	Pritish Geolo	gical Survey 4 82 176 - British O	
ritish Geological Surve	y a. TR y b c c e	* Challe Challe * 6" bau * 374 3535 3248	EF CHARK with occasion to finites and of finits 660 British Geologi 6511	a A bands of fri         British Geological Survey         at 86'6''         cal Survey	icts	A ' 78 9 → -6	gical Survey 4 82 176 - British O	

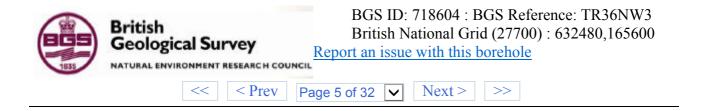
http://scans.bgs.ac.uk/sobi\_scans/boreholes/718604/images/12583629.html

British Geological Survey	BGS ID: 718604 : BGS Reference: TR36NW3 British National Grid (27700) : 632480,165600 Report an issue with this borehole
< < Prev Prev	age 4 of 32 🔽 Next > >>

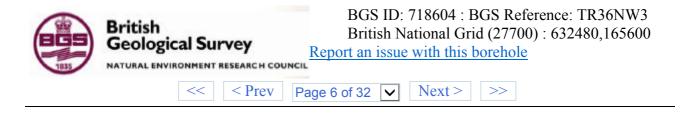
British Geological Survey			British Ge	eological Date	of Sample	British Geological Survey 274/									
			1		3				10 T2: 2009-23 deft of Get 12" 1905 P3 P5 P5 6 P 2 clear elear elear 1000-164 geon the 1000-164 geon t						
	Jan 12 th 1905	Feb 15 th 1905	Mar 20# 1905	april 19 *	Man 17 K	June 7 #	July 21 st	aug 23			Nov 22 1905				
	P. 5	P.5	PS	P.S.	P.S.	P.S	P.S				PS D				
Description or number of sample	H	5	·J.	° K	6	M	N	6	9	æ	$\mathcal{R}$				
Appearance	very clear	very clear	clear	clear	clear	clear	clear	clear	clear	clear	clear				
Colour	Green lue	green llue	groon-blue	green llue	given - blue	gran-bie	green blue	gicen llue	gron-llue	given-blue	green the				
Smell British Geological S	none	none	none	none	none- titish Geologia	none	none	none	none	none- Pritich Goolog	none-				
Chlorine UN Chlorides	12.95	12.74	12.81	12.88	12.88	13-37	13.79	14.98	15-82	16.66	15 54				
chlorine as salt	21.34	20.99	21-11	21:23	21.23	22.03	22.73	24.68	26.07	27.45	25.61				
hosphoric Acid in Phosphates	none	none	none	none	none	none	none	none	none	none	none				
litrogen in Nitrates	0.78	0.71	0.73	0.75	0.75	0.75	0.71	0.62	0.78	0.54	0.58				
Ammonia	none	none	none	0.0006	0.0004	0.0003	0.000.4	none	trace only	none	none				
lbuminoid Ammonia	0.0006	0.0008	0.0008	0.0016	0.0021	0.0011	0.0014	0.0011	0.0014	0.0011	0.0014				
oxygen absorbed in 15 minutes	trace only	trace only	trace only	trace only	trace only	trace only	trace only	trace only	trace only	trace only	trace only				
xygen absorbed in 4 hours	0.024	0.030	0:042	0.036	0.042	0.030	0.052	0.030	0064	0.034	0.034				
British Geological Survey Jardness before boiling (total)	23.2	23.3	2312 Ge	ological Survey	23.4	22.9	23.3	British-Ge	plogigal&un	ey 23.1	22.9				
fardness after boiling (permanent)	53	5.7	56	5.7	5.8	5.3	5.4	5.6	5.7	5.5	5.3				
Total solid matter	50.33	50.75	49.84	50.26	51.11	49.35	50.51	56 35	57.19	56.91	53.69				
Microscopical examination of deposit	slight &	slight &	Slight &	Aught & unimportant	slight 9. unimportant	slight on unimportant	slight 9. unimportant	slight &	slight &	slight &	Sight &				

British Geological Survey

British Geological Survey



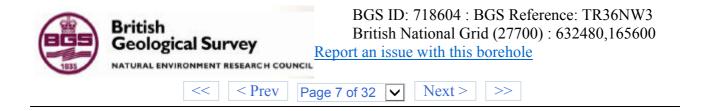
1.365 RAMSGATE CORPORATION GAS & WATER DEMARTMENT Gas a water offices. Boundary Koad, Ramsgooto Ken (B) UNDERGROUND WATER- (WELLS AND BORINGS) (In each case please state whether a well and/or boring is in question.) TAKEN OVER BY THE THANET WATER BOARD I. GENERAL. 1st April 1956. British Geological Sun 1. Exact site of well or boring . ... (A map or sketch showing position would be useful.) ABC "THE Whitehall Water Works, Ramsgate. "Cold Gas Works Yard, Minster. - (Star, Kerl) The Lord of the Manor, Canterbury Road, "Ramsgate, Temporary Well & Pumping Station. 3 Wells. 1 Borehole. 1 Well. Whitehall. British Geolo Borehole, Minster. Temporary Well. 2. Surface level of ground above Ordnance Datum 3. Date of construction ... ... ... ... Whitehall Water Works was opened in 1898. Borehole, Minster. Temporary Pumping Station. 1921 1933. WELLS. 4. Depth of well from surface level of ground (i.e., 2 above). If top of well is below the surface level of the ground (i.e., 2 above) state 113 ft. how much (Whitehall Engine Room floor is on same) level as the ground. 5. Depth of floor of galleries at site of well: also dimension and direction of galleries at Whitehall. Dimensions of Adits vary generally 6' x 4' 6" with 2' Grip. 105 ft. Post in ..... BORINGS. 6. Depth of boring from surface level of ground (i.e., 2 above). If boring is in bottom of well, state depth of well ... ... 502ft. 9ins. 12 in. 7. (a) Diameter of top of boring (b)-Diameter of bottom of boring .... 12 in. .... ... 100 ft. 8. Tubed from top of boring to ... No perforations. 9. Lining tubes perforated at depths of .... .., 10. Water struck during boring at depths of (Tested at.) 3,000 11. What was rest level on completion of boring? ... ntish Geological Survey Varies with lavel of water, in chalk. approximately 6' + O.D. WELLS AND BORINGS. 12. Is the water raised by pump or air lift? ... air inlet 13. Depth from top of well or horing to bottom of lst 2nd STRAND LOB 1 althead ....



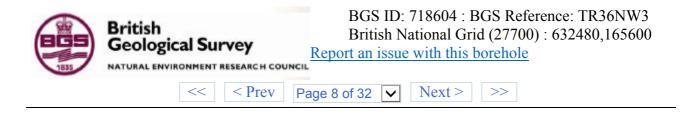
British Geological Survey				ological Surve	British Geological Survey 274							
			Da	te of a	ample					11-	R.36/24	18_
	Jan 17th.	Feb 17 # 1906	Mar 23 1906	april 20. 1906	May 16#	June 11 4. 1906	July 17# 1906	aug 27#	Sept 17th 1906	Get 3" 1906	Nov 20 # 1906	Dec 17. 1906
Description or number of sample.	Ps J.	P.S. 0	P.S. ??	P.5' W'	PS 'X'	P.S 'Y'	PS'Z'	P.S. "Q"	P.S . B.	P.S'B'	PS D	PS E
Appearance	clear	clear	clear	clear	clear	clear	clear	clear	clear	clear	clear	clear
Colour	groon-blue	quer blue	green-blue	given-blue	green blue	gun lla	green the	green-blue	green lleve	goven-blie	goon-llue	green lla
mell	none	none	none	none	none	none	none	none	nona	none	none	none
Chlorine on Chlorides	15.82	15.82	16.59	16:45	17.64	16.45	18:41	20.93	21.14	20.72	19.88	21.30
Chlorine as salt British Geological Survey	26.07	26.07	27.34	27.11	ritr <b>319</b> 687.log	cal Zivley	30.33	34.49	34.84	34:14	Georgi7651	1 vey 35 1
Phosphoric Acid in Phosphates	none	none	none	none	none	none	none	none	none	none	none	non
Nitrogen in Nitrates	0.76	0.80	0.85	0.80	0.69	0.77	0.76	0.79	0.72	0.72	0.75	0.78
Ammonia	0.0006	0.0006	0.0005	0.0004	0.0003	0.0003	0.0004	0 0003	0.0003	0.0004	0.0003	0.00
Albuminoid Ammonia	0.0008	0.0014	0.0019	0.0008	0.0011	0.0008	0.0014	0.0014	0.0014	0.0010	0.0014	0.00
Oxygen absorbed in 15 minutes	trace only	trace only	trace only	trace only	an only	trace only	tracesung	trace only	trace only	trace only	trace only	trace only
Oxygen dbserbed in 4 hours.	0.044	0022	0.036	0.036	0.036	0.038	0.068	0.044	0.064	0056	0.038	0.030
Hardness before boiling (total)	27.7	27.8	27:0	27.0	27.4	26.6	27.4	28.5	28.8	28.7	28.5	286
Hardness ofter boiling (Permanent)	10.1	10.2	9:4 British Geo		9.8	9.0	9.8	10.9 Brit	10.9 Ish Geological	10 · 8 Survey	10.6	10.7
Total solid matter	53.97	54.67	57.47	55.44	60.97	53.97	60.69	67.83	67.97	66.99	66.22	66.15
Microscopical examination of deposit.	slight &	elight &	slight 9. unimportant	slight &	ight &	slight			very slight		olight A unimportant	slight s

British Geological Survey

British Geological Survey



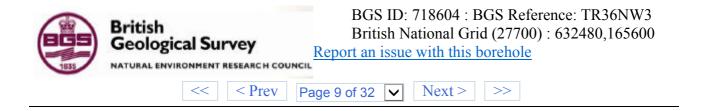
TR 36 W 2 II. If systematic measurements of water levels are made, state whether these include :---(a) Pumping levels at ... Whitehall ... Worker) Rest levels at Borehole ... Minster .... (d) Changes in pumping level, if rate of jumping is altered. imately 100,000 galls per 24 hours per 12" fall in water level. Also state : (e) at what intervals records are taken (i.e., daily, weekly, Daily. ... etc.) ... ... ... ... ... ... ... ... Please furnish a specimen graph of records taken over as long a period as available (up to Graphs enclosed. 1 year). III. If the measurements are made only occasionally please indicate what is, or has been, done in this respect and furnish examples of any graphs or figures available. IV. YIELDS. per 24 hours for year ended March 31st. 1934. is 1,267,000. galls. Average per hour - 52,800 gallons. Yes. Average Yes..... ----(3) If not, how many hours pumping per day? ... ... ... ological Survey -Ø· quantity pumped 1934. (4) Maximum daily zicktr xxalaktik ... · · · · · · · 1,596,000. galls. at -1' 8" 0.D. Estimated ----... Based on actual tests All in chalk at Whitehall Water Works and Adits. Detail of Y. If a section or record of strata can be given please attach to this form. Minster Borehole enclosed. Analysis attached. VI. (1) If a chemical analysis can be given please attach. (2) If not state hardness ... \_\_\_ All purposes. (3) For what purpose is the water uses? See attached notes is Anti-Lord of the Manor and Water able etc. sions train in i

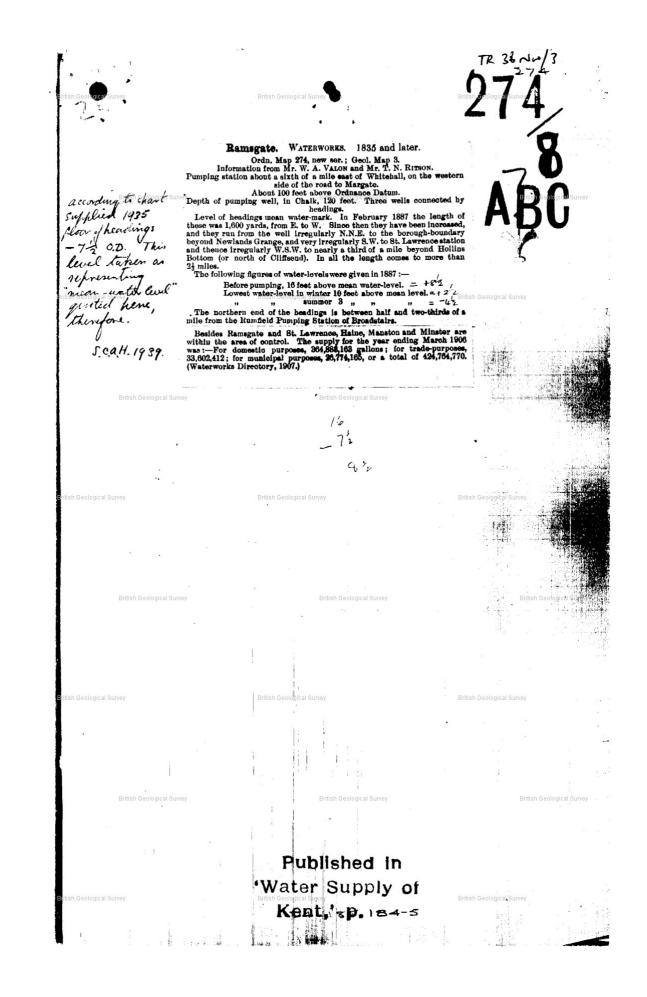


			British Geo	logical Supra	ł			P		a Cont	777	236/24
· · · · · · · · · · · · · · · · · · ·			caregrey.	214/8								
/	Jonuary 2200 1903	Feb 18 # 1903	March 17" 1903	april 200 1903	May 22 nd 1903	June 17 # 1903	July 11#	august 27" 1903	1 dept 18 # 1903	Get 17 4. 1903	Nov 20 4 1903	Lec 18 H. 1903.
Description or number of sample	P.S ' 1'	P.S. * R*	PS . L	PS M	Ps · Nº	P.S. "0"	P5: 9	PS Q	PS B:	P.S. S.	PS J	PS:W
Appearance	Elean	Elear	Elear	Elear	Elear	Elear	Elear	Elear	Elean	Elean	Elear	Elear
Colour	Green blue	Green blue	green-the	groon · Cline	gicon blue	green-blue	guon-blue	gicon blue	guon-blue	gicon-blue	green the	gicon - blue
Smell	None	none	none	none	none	none	none	none	none	none	none	none
Chlorine in Chlorides	14:28	14.77	13.72	14:42	14:77	14.07	13.65	15.05	15.26	13.65	14.77	13 31
Chlorine as salt British Geological Surve	23.53	24:34	22.61	23.76 B	24:34	23.19	22.49	24.80	25.15	22.49	n Gettiotital :	21.93
Phosphoric Acid in Phosphates	None	none	none	none	none	none	none	none	none	none	none	none
Nitrogen in Nitrates	0.71	0.87	0.79	0.68	0.72	0.75	0.76	0.73	0.71	0.71	0.79	0.67
Ammonia	None	none	none	none	none	none	none	none	0.0014	0.0004	trace only	trace only
Albuminoid Ammonia	0.0014	00021	0.0019	0.0014	0.0019	0.0014	0.0017	0.0008	0.0014	0.0011	0.0017	0.0011
0xygen absorfed in 15 minutes	Trace only	trace only	trace only	trace only	trace only	trace only	trace only	trace only	trace only	trace only	trace only	trace only
Oxygen absorbed in 4 hours	0.024	0.034	0.024	0 024	0.020	0.042	0.042	0.032	0.034	0.044	0.032	0.026
Hardness before boiling (total)	23.9	24.1	24.0	24.1	24.1	24.2	24.0	24.2	24.1	23.9	24.1	23.9
Hardness after boiling (Permanent)	6.4	6.5	6.4	6.5	6.5	6.3	6.1	6.3	6.2	6.0	6.3	6.1
British Geological Survey Total Solid matter	50.68	52 57	Bittish Geo	3271	51.87	52.92	50.47	52.99 B	ritish Geologi 52:57	51 · 59	53.27	52.22
Microscopical Examination of deposit	Slight.	Slight unim-	Hight &			very slight	slight &	slight &	dight 9.	olight &	slight &	slight &
		poulant	rememptortant	unimportiont	anenportant	Recymants	unimportant	unimportant	uninportant	unimportant	mimportant	unimportan!

British Geological Survey

British Geological Survey



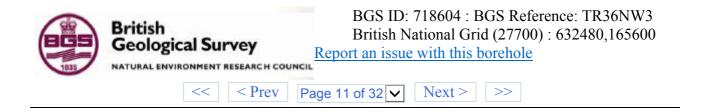


British Geological Survey NATURAL ENVIRONMENT RESEARCH COUNCIL Second Survey NATURAL ENVIRONMENT RESEARCH COUNCIL Second Survey Next > Second Survey Page 10 of 32 Next > Second Survey Survey Survey Survey Next > Second Survey Survey Survey Next > Second Survey Next > Second Survey Survey Survey Survey Survey Next > Second Survey 

British Geological Survey	British Geological Survey British (									Beological Survey 274 /				
	Date of Sample									9TR36/2	49	3		
•	Jan 20th	Feb- 1904	Mar 17 K	april 20#	May 10 K	June 22 1904	July 14 K	august 27 1904	Sept 22 1904	Get 12 #	Nov 17 # 1904	Dec 13		
Description or number of sample	PS &	PS W	PS' x'	P5 " 4"	PS'Z'	Ps. a	P.S. B"	P.5 °C'	P.5 "90"	·PS · &	PS F	PSG		
Appearance	Elear	clear	clear	clear	clear	elear	clear	clear	clear	clear	clear	Elea		
Colour	gicon-blue	green lue	greon-blue	green - the	green llue	green -blue	given - the	green-llue	geen luc	guen - blue	green - the	Green la		
Smell	none	none	none	none	none	none-	none	none	none	none	none	none		
Chlorine In ChloridesBritish Geological S	rve/2.32	11-21	11.06	10.64Bri	sh Georogica	al Sulfert+3	10.15	12.81	12.67	ritish Geologic	13 32	12.81		
Chlorine as salt	20.30	18.47	18-23	17.52	16.84	17.19	16.73	21.11	20.88	20.65	20.30	21.10		
Phosphoric Acid in Phosphates	none	none	none	nonet	none	none	none	none	none	none	none	nor		
Nitrogan in Nitrates	0.66	0.89	0.82	0.69	0.69	0.77	0.73	0.69	0.46	0.73	0.78	0.8:		
Ammonia	none	trace only	0.0004	0.0004	none	0.0003	none	0.0003	none	0.0004	0.0005	0.000		
Albuminoid Ammonia	0.0014	0.0017	0.0014	0.0014	0.0014	0.0016	0.0011	0.0011	0.0008	0.0008	0 0014	0.00		
Oxygen absorted in15 minutes	Trace only	trace only	trace only	trace only	trace only	trace only	trace only	trace only	trace only	trace only	have only	trace on		
Oxygen abserbed in 4 hours	0.034	0.028	0.030	0.042	0.030	0.042	0.052	0.034	0.0054	0.034	0.042	0.03		
Hardness before boiling (total)	23.9	23.7	23.6	23.7	23.5	23.7	23.6	23.2	22.9	23.1	23.2	22.9		
British Geological Survey Hardness after bolling (permanent)	6.3	6.1	British Gei	logical Survey 6 · 1	5.9	5.8	5.7	British Go	ological Surve د.ی	53	5.6	5.3		
Total solid matter	4.8.16	46.41	45.36	46.21	44.52	43.61	44:66	49.21	48.16	47.81	51.24	48.5		
Microscopical examination of deposit	Slight and unimportant	Might Giganie dethis	slight and unimportant	slight and unimportant		very slight	slight and winnpolant		slight and	very slight animportant.	dight &			

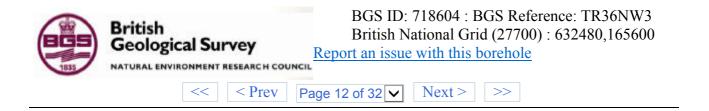
British Geological Survey

British Geological Survey



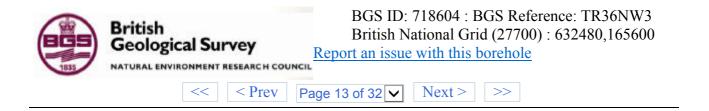
	TR 36 NW/3
*	071
British Seological Survey	British Geological Survey British Geological Survey
•	
	Ramsgate. WATERWORKS. (See p. 184.) Water from the
	Ubalk.
British Geologic	Rivers Pollution Commission. Sixth Report, 1874, p. 100. Clear and palatable. Temperature 10° C.
	Total solid impurity 409 Organic carbon
	Nitrogen as nitrates and nitritee 808 100,000. Total combined nitrogen 819
	Chlorine
	places, 1878, pp. 30, 31. In grains per gallon.
British Geological Survey	2. From the Surveyor, July 23rd († 1877). British Geological Survey .
	Total solid matter 28.5 83.6
	Loss on ignition after deducting combined car- bonio acid 4.2 4.43
	Chlorine calculated as chloride of sodium 676 677 Nitrogen as ammonis 0011 004
British Geologic	cal Survey ", ", altotates British Geological Survey "013 0000 British Geological Survey "013 0000
•	Total nitrogen in these four forms 4 4306 7017 Oxygen absorbed by organic matter 021 001
	Hardness, Clark's scale, before boiling 19° and 18°6°, after boiling 3°5? and 4.2°. Both of excellent colour and free from objectionable taste or smell. No
	fault except hardness.
	Five samples, by S. HARVEY. Communicated by Dr. F. PABSONS. In grains per gallon.
British Geological Survey	<ol> <li>From the rising main near Whitehall Works, taken at noon, August 29th, Constant of the Well, Southwood, taken at 12.45 p.m. same day.</li> </ol>
	3. From heading in which workmen were at work Received 4. From heading nearest the point where contamination might 30th May,
	have been expected
я	1. 2. 3. 4. 5.
British Geologic	Chlorine in chlorides 1036 7-63 3-71 8-71 11:62
	Do. reckoued as salt 17/07 12:57 Nitrogen in nitrates '85 '85 '35 -36 '38 '69 Ammonia trace trace '0035 trace none
	Albumenold ammonia 0006 '0019 '0025 '0022 0011 Oxygen absorbed in 15
	Oxygen absorbed in 4 hours
British Geological Survey	Total solid matter          45.5         40.04         30.24         30.24         43.65           Hardness, before boiling         22.75°         22.23°         20.4°         20.4°         20.4°         23.2°           ,         after         similar objects survey         initial control         20.4°         20.4°         20.4°         23.2°
	(permanent), $3.85^{\circ}$ $3.5^{\circ}$ $2.2^{\circ}$ $2.2^{\circ}$ $5.2^{\circ}$ 1, 2. It is satisfactory to find that the supply maintains its high character
	for organic purity and freedom from sewage-impregnation. 3, 4. Assuming the two samples to represent the public supply the results are very satisfactory and at no time before have such low figures for com-
	cally pure and there is no evidence of sewage-percolation. The figure for
•	ammonia in No. 3 however requires explanation; such an amount is unusual.
	5. The results are satisfactory both as to organic purity and absence of
British Geologic	5. The results are satisfactory both as to organic purity and absence of cal Survey British Geological Survey British Geological Survey
British Geologic	5. The results are satisfactory both as to organic purity and absence of
British Geologia	5. The results are satisfactory both as to organic purity and absence of
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British Geologic	5. The results are satisfactory both as to organic purity and absence of
	5. The results are satisfactory both as to organic purity and absence of cal successing opercolation. British Geological Survey British Geological Survey
	5. The results are satisfactory both as to organic purity and absence of cal successing opercolation. British Geological Survey British Geological Survey
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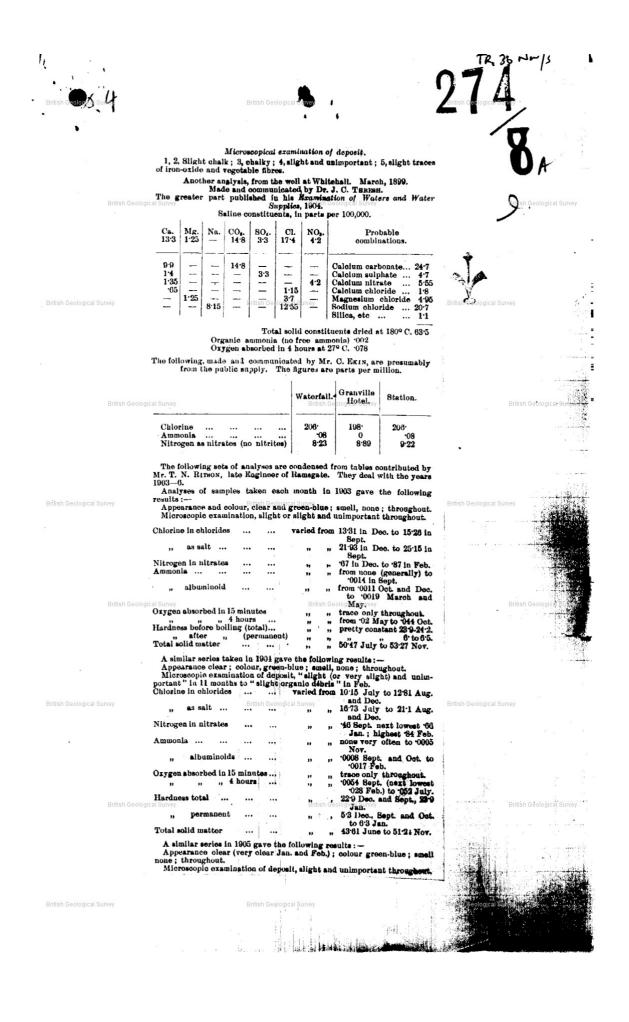
http://scans.bgs.ac.uk/sobi\_scans/boreholes/718604/images/12583633.html



- 283 274 TR36/24 274/8 Ramsgate. Whitehall Pumping Station. The shafts at this Station are known now as: -British Geologi Nouvel - 12 ft. diameter x 112 ftyiedoop. No. 2 - 9 ft. \* \* x 115 ft. deep. No. 3 - 9 ft. x 7 ft. oval x 110 ft. deep. The dates of construction given for (a), No. 3, and (b), No. 2, we presume correct, but (a), No. 1, is later - 1896. Floor level is 97.54 above 0.D. The total length of headings in 1995 are given by Whittaker as "more than 21 miles". This is presumably the 12,320 ft. quoted in your draft. From our records this total length is approximately 13,000 ft. We have no accurate record of the dates of any heading extensions. Some work was done in 1893 - 1895 but the lengths are unknown. The normal pumping rate 70,000 g.p.h. Lord of the Manor Pumping Station, Ranagate. 274/1 The Station was commissioned in 1935 with the object of pumping more water from the middle of the long heading system from Whitehall and thereby reducing the underground hydraulic gradient caused by pumping the whole of the water from Whitehall in order to reduce the infiltration of sea water due to pumping belogw 0.D. The headings are common to both Whitehall and Lord of the Manor Stations as stated. The headings were extended in 1923/24 from Lord of the Manor in a morthwesterly direction for a distance of 4,860 ft. and again in 1934/35 turning west for a further distance of 5,280 ft. at a level of 2 ft. below 0.D. The 1934/35 extension was made by Legrand. The floor level is 115.6 above 0.D. The Station is being medernized and is likely to be in use more frequently than in the past. "Information by letter from Thanet Water Board, 30.3.61". LIII

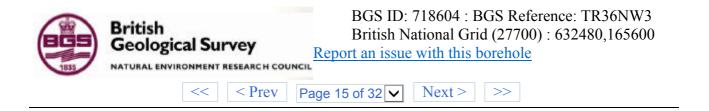
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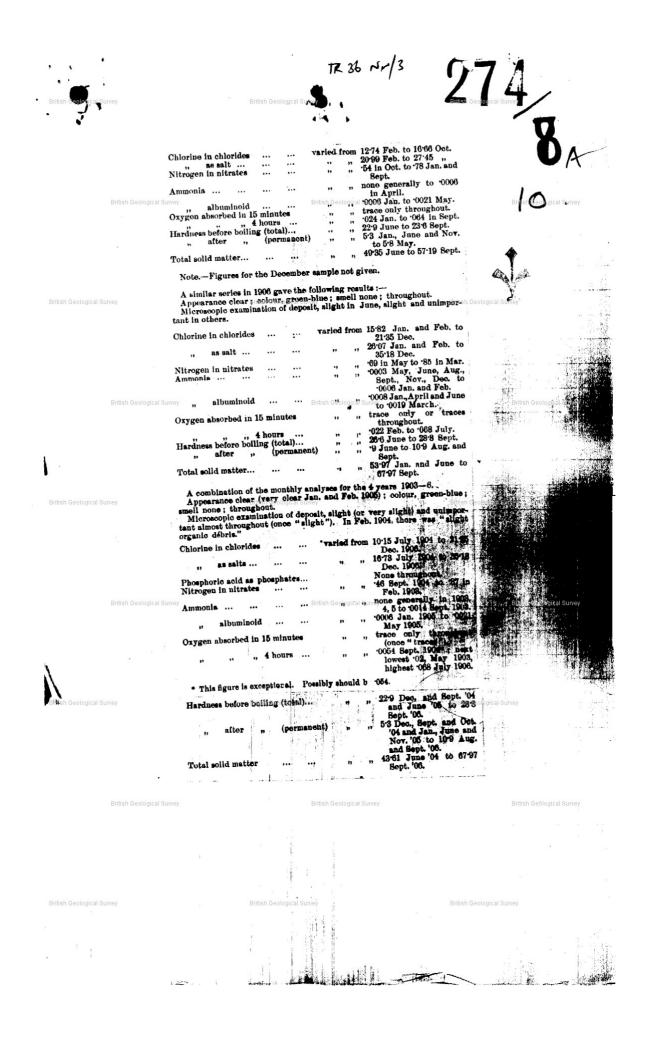


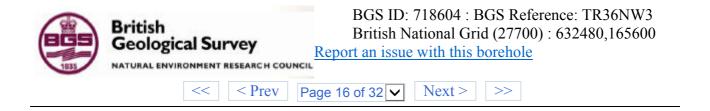


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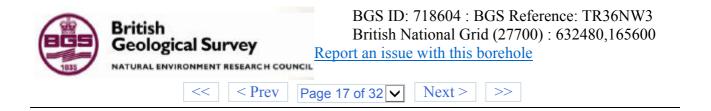
BGS ID: 718604 : BGS Reference: TR36NW3 British British National Grid (27700) : 632480,165600 Geological Survey Report an issue with this borehole NATURAL ENVIRONMENT RESEARCH COUNCIL < Prev | Page 14 of 32 Next > >>274 /18a \_ Lorde of the Menor Gemporary Rump See Record 274/8. 1 . B. British Geological Survey Visited Rumphouse at 115.6 Summer bonneted with the main White hall system of headings of the Thank Water Board (17, 8, C 274/8). Britten Geological Survey d 2 e (2)22 an understood to be ronnecled by a beading their distance appart is c. 4,190 yels. The floor of the heading is assumed to be 176 ft down (b). 

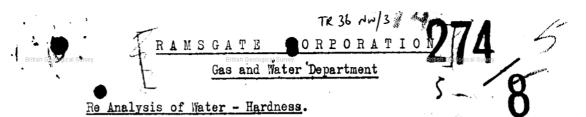






At	Brilish Geological Survey		Griduw Ref		IN.
Town or Village	Minster County Kent	Si	X	i37	E.
Exact site			UL	gh ske	tch-n from
	in parish of		map	is very o	lesiral
Level of ground su	rface above sea-level (O.D.) <u>166</u> ft. If well starts below groun ianter 4 top ft. Diameter of bore : at top	id surface, s	tate how	far	
Details of permane	nt lining tubes (internal diameters preferred) None used	. –	23	12	
					<b>~</b> -
Water struck at de	pths of (feet)				
Rest-level of water	below top of wellfeet. Suction atfeet	Yield	on		urs' t
	per(with pump of capacityg.p.h.); depre		level to		
Bitisbelows top. Tim	e of recoveryhrs. <sup>h</sup> GeoloAmount normally pumped daily.	British G	p.h. for.	ey	hou
	y of analysis if available)			-	
	Crand S.& M.	Date o	f well	51. 7.	35
Information from.	- Le Grand				
(For Survey use only). GEOLOGICAL	NATURE OF STRATA (and any additional remarks).		KNESS	DE	·)
CLASSIFICATION.		Feet.	Inches.	Feet.	Inche
British Geol	gical Survey Shaft Sinking 6' x 4' dia. Oval.			ritish Geolo	ncal Sulv
likher	Earth and Chalk	4	-	4	-
challs X	Chalk with occasional bands of flints			82	
	Chalk and Flints	94	6	176	E
Bitish Geological Survey		British Ge	plogical Surv	y i	
- <u>1 CUN. 1939</u>	Drove 4'0" into old heading at this depth - eventually drove to 27'2".				H
X	6" band of flints at 86'6".				
	New Heading 6' x 4' then commenced and				
Dilich Occil	continued for a distance of 5280 direc	tion -	N.W.	ritish Geolo	
British Geol	Heading driven at a general level of 1	761 b.s		mush Geoloj	ical Sun
	So far as we were informed the increase		-		
	supply as a result of the new shaft an		nø		
		actual	*0		
	pumping was done by us.				
Bitish Geological Survey	British Geological Survey	British Ge	ological Surv	<u>y</u>	
	Extension of sheme detailed una	ler 2	74/1	3	
EDWONT 28W			7	ייותיים, עגנוונג ייותיים, עגנוונג	iltai suu
Billian Geol	State Could State State	1939			
	Sited 13.2.40. This is a shaft may	le in c	me	tion 1	nth
	the driving of the adit of the mo	ain se	Com R.		
		and			····/
		1 min	<b>*</b>		<b>)</b> :
British Geological Survey	British Geological Survey	British Gé	ological Sur	эу	
		1			





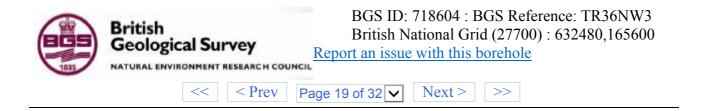
A Base-Exchange Water Softening Plant is at present being installed and will be brought into use about the end of April. 1935. The policy of the Corporation is in future to supply water of from 7 - 10 grains per gallon total hardness.

## Quantity of Mater Available.

It is very difficult to give a reliable figure of quantity available as the figure would vary with varying conditions. The figure given is the maximum quantity pumped during 24 hours in 1934 and the level of the water in the Adit stood at -1' 8" O.D. management time the Adits are being extended by one mile - 4,100 feet having been completed. Water is being obtained from these extensions to the amount of approximately 30,000 to 35,000 gallons per hour with continuous pumping. Whether this quantity will be available during Summer conditions remains to be proved.

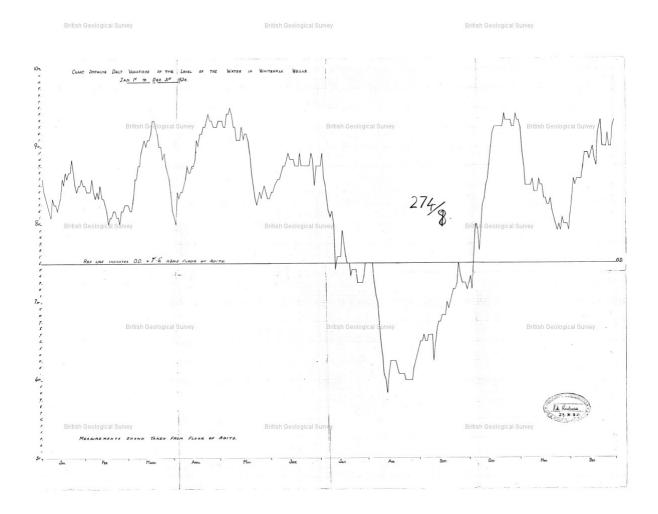
## Temporary Pumping Station.

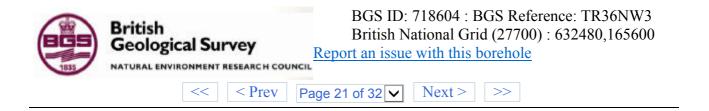
By maintaining a steady pumping level at the Whitehall Works approximately 11 million gallons per 24 hours and taking up the peak load by pumping at the Lord of the Manor temporary Pumping Station a larger quantity of water can be obtained from the Adits with a lessened depression of the water level at Whitehall - the result being a lessened risk of infiltration of chlorides from the sea and it is confidently believed a considerably increased yield of water from the Adits. Ultimately it is expected that the Pumping Set at the Lord of the Manor will be installed at a new Water Works to be constructed approximately at the end of the present extension of the Adits.



• 3.**		TR 36 No 3 97.1<
British Geologic	al Survey British Geological Survey	arish Geological Survey
		South Eastern Analytical Labor Dry, Watling Chambers, Canterbury.
	WATER ANALYSIS - Folio British Geological Survey The Borough of Ramsgate.	15th. March 1935. sh Geological Survey British Geological Survey
	Sample Marked - as below.	
	Received - 13th March 1935.	
	N. B. ALL NUMERICAL RESULTS	EXPRESSED IN PARTS PER 100,000.
British Geologic	Description or number of sample	"Public Supply, Letter "L".
	Appearance.	Clear.
	Colour.	Green-Blue.
	Smell.	Normal.
	Chlorine in Chlorides.	sh Geological Survey <b>12.40</b> British Geological Survey
	Phosphoric Acid in Phosphates.	None.
	Nitrogen in Nitrates.	1.03`
	Aramonia.	None.
British Geologic	Albuminoid Armnonia. British Geological Survey	C COLO
	Ôxygen absorbed in 15 minutes	Trace only.
	Oxygen absorbed in 4 hours.	0.023
	Hardness before boiling (total)	31.9
	Hardness after boiling (permanen	· · · · · · · · · · · · · · · · · · ·
	British Geological Survey British Geological Solid Matter.	sh Geological Survey 62.00 Target 1 Survey
	Microscopical Examination of Dep	osit. Slight and unimperson
	Chlorine as "Salt"	20.44
British Geologic	Remarks:-	satisfactory and indicates way
	organically pure	and free from sewage percolation.
7	The Microscopical	Examination is also satisfactor
	The figures for "Chlo	rine", "Total solid matter" and
	British Geological Surve,"Hardness" are all lo	wer that when this supply was last
	examined in September	
	(Sig	ned) Ernest M. Hawkins.
	Public	Analyst, Borough of Ramsgate.
British Geologic	al Survey British Geological Survey	British Geological Syrvey

British Geological Survey	BGS ID: 718604 : BGS Reference: TR36NW3 British National Grid (27700) : 632480,165600 Report an issue with this borehole
< Prev Pa	age 20 of 32 V Next > >>



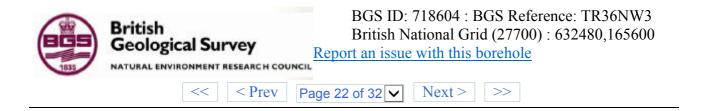


274/8 Ramsgate.

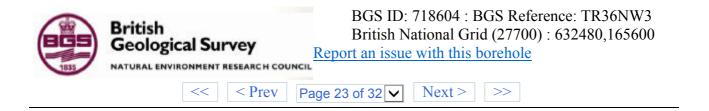
274/ TR: 26 N/m/3

Whitehall Pumping Station. The shafts at this Station are known now as: -No. 1 - 12 ft. diameter x 112 ft. deep. No. 2 - 9 ft. \* x 115 ft. deep. No. 3 - 9 ft. x 7 ft. oval x 110 ft. deep. The dates of construction given for (a), No. 3, and (b), No. 2, we presume correct, but (a), No. 1, is later - 1896. Floor level is 97.54 above 0.D. The total length of headings in 1905 are given by Whittaker as "more than 2y miles". This is presumably the 12,320 ft. quoted in your draft. From car records this total length is approximately 13,000 ft. We have no accurate record of the dates of any heading extensions. Some work was done in 1893 - 1895 but the lengths are unknown. The normal pumping rate 70,000 g.p.h. 274/ RLord of the Manor Pumping Station, Ransgate. from the middle of the long heading system from Whitehall and thereby reducing the underground hydraulic gradient caused by pumping the whole of the water from Whitehall in order to reduce the infiltration of sea water due to pumping belogies 0.D. The headings are common to both Whitehall and Lord of the Manor Stations as stated. The headings were entended in 1923/24 from Lord of the Manor in a morthwesterly direction for a distance of 4,860 ft. and again in 1934/35 turning w for a further distance of 5,280 ft, at a level of 2 ft. below 0.D. The 1934/35 extension was made by Legrand. The floor level is 115.6 above 0.D. The Station is being modernized and is likely to be in use more frequently than in the part. The Station "Information by letter from Thanet Water Board, 30.3.61". L AL di Sa dil ... the all which have been and the S. Male

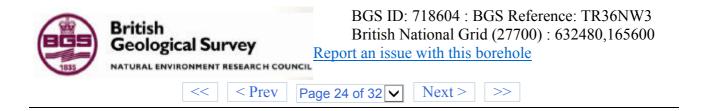
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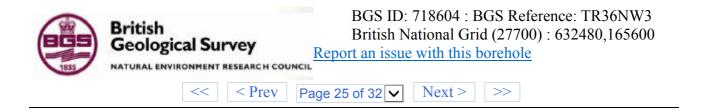
TR 36 ~~ /3 COPY 15 THE COUNTIES PUBLIC HEALTH I (THREEM, BEALS & SUCKLING VICTORIA STREET, MILLA B.S. FRIC. KES Your ref. ..... ANALYSIS OF A SAMPLE OF WATER received 2/3/57 Our net M.ME. 13. From BUSATHANET WATER BOARD Lobellad Newlands Adit ' Whitehall Pomping Station - Ramsgate. Doce 2/9/57 9.20 a.m. Token by: C. Saundars Witness J. Mc Hanry Signed C. Saundars. CHEMICAL RESULTS IN PARTS PER MILLION Appearance Bright with Britist and an particles British Geological Survey Turbidity LESS than 3 Colour Nil Electric Conductivity. 860 Dissolved Solids dried at 180°C. 585 Chlorine present os Chloride 126 Alkalinity as Calcium Carbonate 240 Hardness: Total 325 Carbonate 240 Non-carbonate Nitrote Nitrogen 15 Nitrite Nitrogen Lass the Ammoniacel Nitrogent 0.000 Oxygen Absorbed ..... 9:10 Albuminoid Nitrogent 0.000 Residual Chlorine Absens Metals Iron less than 0.03, Zinc 0.80, other me CTERIOLOGICAL BESULT Number of Colonies d Presumptive Coli-scrogenes Reaction Boct. coli. (Type I)..... Cl. welchii Reaction



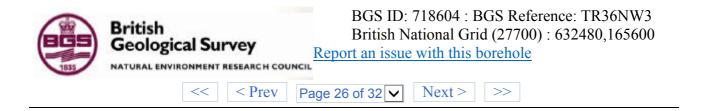
· • 6.	COPY	0 7 4R 36 NW 3
THE CO	UNTIES PUBLIC HEALTH LABORA	
British Geological Survey ROY C. HOATHER, B.S., Ph.D., R.L.C., KR W. A. BULLDUCH, G.S.E., M.S., M.B.C.B.B. GORDON WILLE, B.S.C., RR.C., RR.S.H.		
R. F. RACKHAM, BSC, MRSH.		Your ref
ANALYSIS OF A SAMPL	E OF WATER received 2/9/57	our ng. M.ME. 14
from . BUTHANET	WATER BOARD	
	Adıt. — Whitehall Bmbing	Statura - Promeroata
Labelled WCLCCT		
		4 2957 9.15 am
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Appearance Dr. 1912	with Bitter Collegic Universight depos	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
· · · · · · · · · · · · · · · · · · ·		41 3
	Turbidity Less	and the second sec
Colour Nil	Odeur Nil	
pH British Geological Survey 2,	Bottla	34-
Electric Conductivity 9	00. Dissolved Salids dried	et 1802 625
Chlorine present os Chlorida		
	O Cerbonate 245 Non-	
		· · · · · · · · · · · · · · · · · · ·
Nitrote Nitrogen	British Geological Survey	Less than 0.01
Ammoniacal Nitrogent		2 D 2
Albuminoid Nitrogent	0.000 Residual Charine	Absent
Metals Zine 1-2	other metals absent	
British Geological Survey	To const to Ammana multipy by 121	
	empling bettles are tracked to composition charins of press [ 1 day at \$796.] 2 days at \$1	
Number of Colonies developin	y on Agor {	
		A second s
	Present in Absent from	
Presumptive Coli-acrogenes	Present in Abase from Reaction	
•	Present in Abaast from Reaction British Geological Survey	Anna Carlos ana C
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ritish Geological Survey. Boct. Coy. (Type J)		Andreas and a second se
Initish Geological Survey. Boct. Col. (Type J)		Andreas and an and a second and a
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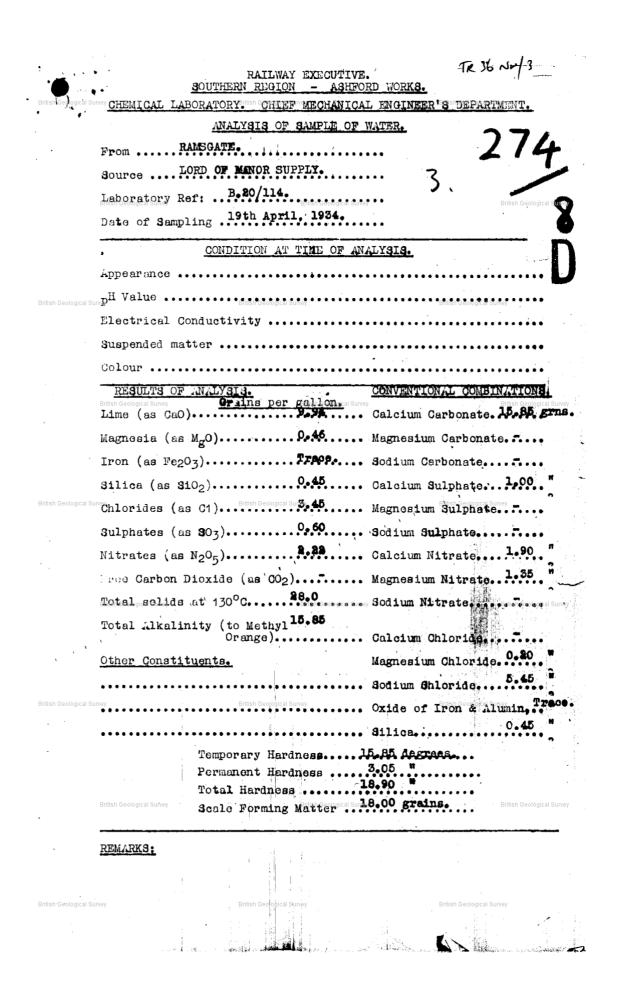


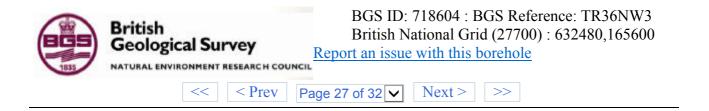
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THE CO	UNTIES	PUBLIC	HEALT	H LABORA		
NOY C. HOATHER, B.S., Ph.D., F.R.LC., W. A. BULLOUGH, C.B.B., M.S., M.B.C.A JORDON MILES, BL., F.R.LC., R.B.S.H. L. F. RACKHAM, B.JC., M.R.S.H. L. INGLIEH, B. Marmu, BES., F.R.LC. L. INGLIEH, B. Marmu, BES., F.R.LC.	( P.R.S.H. .B., D.P.H.	THRESH, MEALE THRESH VERULAM GRAY'S IN LONDON	A SUCKLING HOUSE, STREET, IN ROAD,			Ċ
British Geological Survey				logical Survey	Your ref British Geo	ological Su
ANALYSIS OF A SAMPL	E OF WATE	R received	7.3.6	1	Our ref. 9/11/04	
from	R BOARD.					
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					6.2.61 9.5AM	
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Taken by	IEMICAL R	ESULTS IN	I PARTS	PER MILLION	Internet in the second s	
Bright				•		
Appearance						
• British Geological Survey			Turbidity	logical Survey	Less than and Geo	ological Su
	NI4 7				NT 4 7	,
pH						•
Electric Conductivity				Solids dried at 1		
Chlorine present as Chloride		British Geologic	Alkalinity	as Calcium Carbo	British Geological Survey	
Hardn <b>ess</b> : Total	300	Carbonate	230	Non-cart	onate	
Nitrate Nitrogen				trogen		1
Ammoniacal Nitrogen‡	0.000		Oxygen A	\beorbed	<b>۰۱</b> ۲	
Albuminoid Nitrogent	0.000		Residual	Chlorine	Absent	
British Geological Survey Metals	nc, Coppe	r & Lea	British Geo d::Abse	logical Survey	British Geo	ological Su
	BAC	TERIOLOG		BULTS.		
		1 day at		l chlorine if present. 2 days at 37°(	C. 3 days at 20-22°C.	
Number of colonies develop	oing on Agar	British Geologic	al Survey	•	ml per ml.	÷
		Present in	n	Absent from	Probable number.	
Presumptive Coliform read			<b>ml.</b>	•••	• • • •	
Bact. coli. (Type I)		• • •	<b>ml.</b>	••• mi.	•••• per 100 ml.	
Cl. welchii reaction			<b>ml.</b>	•••		
This sample in reaction and f character but not mineral constitue	is practing to an exact of the from the second seco	leally c iron an cessive it is of	leamshan dother degree very s	debright in metals. Th , contains atisfactory	e writer is hard in no excess of corganic quality.	biogical Su
From the asp indicative of a p purposes.	ect of th ure and t	te chemi wholesom	cil ana e water	lysis these suitable f	or public supply	
		British Geologic	al Survey		British Geological Survey	
h Geological Survey					6	



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Geological Survey		British Geological Survey	LI 4 MAR 1961
	THE COUNTIES		
	k., M.D., F.R.J.C., F.R.S.H.	(THRESH, BEALE & SUCKLING)	
W. A. BULLOUGH, C.I GORDON MILES, S.Sc.		VEROLAM STREET,	Provide a Chickeser (201)
R. F. RACKHAM, B.Sc., E. ENGLISH, B. Pharm.,		GRAY'S INN ROAD, London, W.C.I.	ADU
British Geo	logical Survey	British Geological Survey	Your ref British Geological Survey
ANALYSIS OF	A SAMPLE OF WAT	TER received 7. 3. 61	Our ref. Q/TT/95
from	ม่ <b>ง</b> การ กงารธิ เรงว	, ue	•
Labelled	Newlands Addt.	, Chitchall Pumning Sta	tion, Romseute.
			Date 6.3.61 9.10
Geological Gurvey			
Taken by		itness H. Vaughan RESULTS IN PARTS PER MIL	
B		few particles.	LION.
Appearance			
-	logical Survey		
Bhtish Geo		Turbidity	Locc + MillenGeoOrgical Survey
Colour	Nil	Odour	N4 1
рН	7.2	Free Carbon Dioxid	30
Electric Conduc	tivity 520	Dissolved Solids drie	4 at 180°C.
		British Geological Surve Alkalinity as Calcium	
		210	60
Hardness : Total		Carbonate	Lass than 0.01
Nitrate Nitrogen		Nitrite Nitrogen	
		Oxygen Absorbed	
Albuminoid Nite	ogentres 0.000	Residual Chlorine	Absont, Buttish Geological Survey
Metals T1	on, Zine, Corr	er & Joad: Absant	
		Te consumt to Ammonia multiply by 1-21 CTERIOLOGICAL RESULTS.	
		are treated to remove residual chlorine if pro 1 day at 37°C. 2 days a	
Number of color	ies developing on Agar	Per ml.	British Geological Survey
	1	Present in Absent from	
Presumptive Col	iform reaction		ml
creatinguve con	•••••		
Bact. coli. (Type	I)	•••• ml. ••••	
Bact. coli. (Type Cl. welchij reacti Thic s	D.	ensi englera surer	ml. British Geological Survey
Bact. coli. (Type Cl. welchij reacti This In reaction Charactar h	D sample is pract 1 and free from but not to an e	ml.	ml. British Geological Survey t in appearance neutral . The Ketter in herd in ins no excess of
Bact. coli. (Type Cl. welchij react This s in reaction charactar h ninoral cor From t	D ion sample is pract h and free from but not to an e astituents and the spect of t of a pure and	toolly clear and bright inon and other metals xcessive degree. conta	m.ml. British Geological Survey t in appearance noutral . The Settor in herd in ins no excess of tory organic quality. hose posults are
Bact. coli. (Type Cl. welchij reaction This s in reaction character h ninoral con From t indicative	D ion sample is pract h and free from but not to an e astituents and the spect of t of a pure and	ml.  ically clean and brigh iran and other metals xcessive degree, conta '+ is of very satisfac he chemical analysis t Wholcoome water suitab Britsh Geological Survey	m.ml. British Geological Survey t in appearance neutral . The Setar is herd in ins no excess of tory organic quality. hose posults are le for public surply British Geological Survey
Bact. coli. (Type Cl. welchij reaction This s in reaction character h ninoral con From t indicative	D sample is prect h and free from but not to an e astituents and the spect of t of a pure and	ml.  ically clean and brigh iran and other metals xcessive degree, conta '+ is of very satisfac he chemical analysis t Wholcoome water suitab Britsh Geological Survey	mml. Britsh Geological Survey t in appearance neutral . The Netry in herd in ins no excess of tory organic quality. hose posults are le for public supply

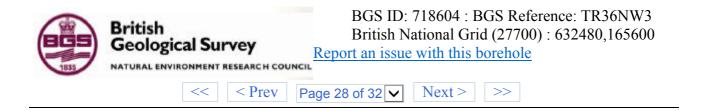




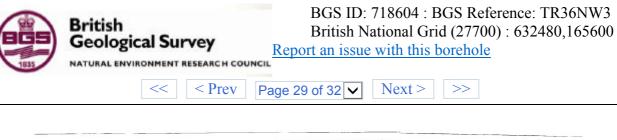


Page 2 of 2

TR 36 NU/3 THE COUNTIES PUBLIC HEALTH ONDON, SW.) Your nef. . From THANET WATER BOARD Lobelled Bib Cock- Engine Room, Ramsgate. Lord of the Manor Pumping Station Dec G.8.57 10.10am Token by D.T. Gora Witness H. Yaughan Super D.T. Gora CHEMICAL REBULTS IN PARTS PER MILLION Apperonce Bright with very antistification survey articles. Turbidity Less than 3 Nil Oder Vary faint shirtness PH Survey 7.3 British Geological Survey Fras Corber Disorcide. British Geological Survey Electric Conductivity 640 Disselved Solids dried at 180°C 430 Hardness: Total 295 Carbonate 220 Non-carbonate 15 Nitrota Mitrogen 13 Nitrita Mitrogen Lass than Q101 Ammoniacal Nitrogent 0.000 Oxyger Absorbed 0.10 Albuminoid Nitrogent 0.000 Residual Chlorine 0.15 Metels Absent NSL Gentral Cal Survey norm matinty by 12 CTERIOLOGICAL RESULTS Bact. celi. (Type J) Cl. welchii Reaction (Cir



274 274 /184 Lorde of the Manor Temporary Rumping See Record 274/8. 1 ... B. British Geological Survey 1 . Visited Pumplonie at 115.6 Mandly supply pumped any on summer bounded with the main while hall system of headings f the Educt Water Course (F. B. C 274/8). British Geological Survey (1) an under tool to be commisted by a beading the dilance appeart is c. 4,190 yels. the place of the harding is around to be 176 fb down (b). sh Geolog British Geological Surve British Geological Survey British Geological Survey



										n T	R 36 nu/3	
	1			Dal	of Sa	mple.				- 8 -	214	1.
/	10.03	3 ch 11 th 1903	March 17" 1903	april 200 1900	May 22 0	100	* July 11' 1903	" august 27 1903	" dept 18 " 1903	Get 17 *	. Nor 20'	1903
British Geological Survey Description or number of sample	P.5 1	P.S. K	P5 . 20.	PS 16	Ps . Nº	P.S. "0"	P5:0	PS Q	PS 2:	PS &	PS :J	PS-W
Appearance	Elean	Ebar	Elear	Elear	Elear	Elear	Elar	Elear	Elear	Elean		Elea
Colour	Groon blue	Green blue	groon live	groon dela	gion blue	queen lie	gun bla	anon being	aven the	an It	gicon the	ocea
Smell	None	none	none	none	none	none	none	none	none	yam ita	gicon-tea	-
Chlorine 4n Chlorides	14:28	14.77	13.72	14:42	14:77	14.07	13.65	15.05	15 26	13:65	none	non
Chlorine as salt	23.03	24:34	22.61	23.76	24.34	23.19	22.49	24.80	25.15	22.49	14.77	13.31
Phosphorie Acid in Phosphates	None	none	none	none	none	none	tione	none	none	none		21.9.
Nitrogen in Nitrates	0.71	0.87	0.79	0.68	0.72	0.75	0.76	0.73	0.71	0.71	0.79	non
Asmonia	None	none	none	none	none	none	none	none	1	/		0.67
Albuminoid Armonia.	0.0014	00021	0.0019	0.0014	0.0019	0.0016	0.0017	0.0008	0.0014		0.0017	
Brills Oxygen absorted in 15 minutes	Thace only	trace only	trace may	tiers only	liaz may	trace one	trace only	tion only			Titale Greet	o oor
Oxygen absorbed in 4 hours	0.024	0.034	0.024	0.024	0020	0.042	0.042	0.032	0034	0.044	1	Since or
Hardness before boiling (total)	23.9	24.1	240	24.1	24.1	24.2	24.0	24.2	24.1	23.0	24.1	0.02
Hardness after boiling (Permanent)	6.4	6.5	6.4	6.5	6.5	6.3	6.1	6.3	6.2	6.0	6.3	23.9
Total Solid matter	. 50.68	52.57	51.24	52.71	51.87	52.92	50:47	52.99	52.37	51.50	53.27	
Microscopical Examination of deposit	Slight.	Hight unim	Hight &	Hight 9.	Sight &	20mg off	ALC:	stal 2	alght &	1		32.22
		portant	immytortest	minfortant	aninfortant			0			ninfortant	slight
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British Geological Survey

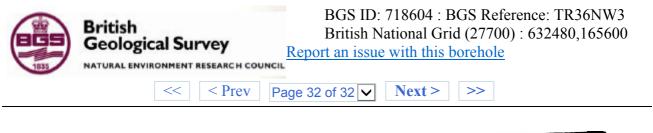
sh Geological Survey

	t <b>ish</b> D <b>logical Surv</b> ral environment res		COUP		ł	Britis	h Na		l Gri	d (27	700)		e: TR36NW 32480,16560
		< Pre	ev	Pag	e 30 d	of 32	$\checkmark$	Nex	t >	>>	•		
1					ž				TR	36 ~~/3	27	4-1	
	1					Dale of	Sample			19	2	18	3
British Geolodical	Survey	Jen 202	Feb. 19040	Mar 17 K	april 20#	1600 10×	June 22 1904	July 14 K	august 27	Sept 22 1904	Get 12 #	1904	1904
	escription or number of sample	PS &	PS 'W'	P5' x'	P5 . 4.	PS'Z'	Ps. a.	PS . 33	P.5 'C'	PS D'	· P5 · 6'	PS'J'	PSG.
	ppearance	Ellar	clear	clear	clear	clear	clear	clear	clear	clear	clear	elear	Elean
	olour	geon-llia	gum line	guer-blue	guen-llive	guen live	gum-blue	guon-blue	guen llia	gun lue	genn-blue	gren la	Green Elas
	nell	nou	none	none	none	none	none	none	none	none	none	none	none
c	hlorine \$n Chlorides	12.32	11.21	11.06	10.64	10:22	10:43	10.15	12.81	12.67	12 53	12.32	12.81
c	hlorine as salt	20.30	18:47	18.23	17.52	16.84	17.19	16.73	21.11	20.88	20.65	20 30	21.10
P	hosphorie Acid in Phosphates	7.000	none	none	nonet	none	none	none	none	none	none	none	none
S.	itrogen in Nitrates	0.66	0.89	0.82	069	0.69	0.77	0.73	0.69	0.46	0.73	0.78	0.83
A	monia	none	tiace only	0.0004	0.0004	none	0.0003	none.	00003	none	0 0004	0.0000	0.0004
	lbuminoid Ammonia	0.0014	0.0017	0.0014	0.0014	0.0014	0.0016	0.0011	0.0011	0.0008	8000.0	0 0014	0.0011
0	xygen absorbed init minates	Frace only	time only	trace only	trace only BI	Vince Grage	Cine Suger	trace only	time only	trace only	trace only	hand	a Survey
0	aygen abserbed in 4 hours	0.034	0.028	0.000	0.042	0.030	0.042	0.052	0.034	0.0054	0.034	0.043	0.036
н	ardness before boiling (total)	23.9	23.7	23.6	23.7	23.5	23.7	23.6	23.2	22.9	23.1	23.2	22.9
H	ardness after bolling (permanent)	6.3	6.1	60	6.1	5.9	5.8	5.7	5.4	5.3	53	5.6	5.3
	stal solid matter	48.16	46.41	45.36	46.21	44.52	43.61	44:66	49.21	48.16	47.81		48.51
с. ж. •	eroscopical examination of deposit	dight and	dept bigon i	elight and	slight and unimportant	olight and iministant	very slight	slight and	dight and	slight and	sony slight	digle &	Slight 7 zownpaloni
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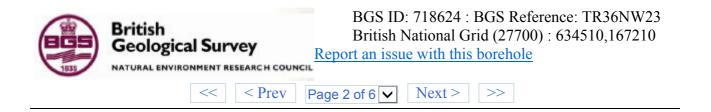
<b>_</b>	<u>.</u>			<b>9</b>	7 14-14		- 		-		274	8
•	Jan 12 #	Feb 15"	Mar 20#		to the of	June 7 "	July 21#	aug 23	Apt of the Apos	10 TE 36 Gat 12 # 1905	Ater 22 1905	_ <b>o</b> _
ish Geological Survey	P. 5	P.S	PS	Bitten Get	PS	P.S.	AS .	PS	Ps	PSBriti	sh <i>f</i> agolo	gical Sarvey
description or number of sample	#	5	1.	A	2	M	N.	·G·	D.	2	R	
ppearance	vory ches	very clear	clear	clear	clear	clear	clear	clear	char	clear	clear	
olour	Green Blue	green lac	gron-blue	groon the	goon - Clue	gron-blue	guen blue	quan lie	gun la	guen-blue	grow the	
mell	none	none	none	none	none	none	none	none	Turne	none	none	
hlorine on Chlorides	12.95	12.74	12.81	12.88	12.88	13.37	13.79	14.98	15.82	16.66	15:54	
hlorine as salt	21.34	20.99	21 11	21.23	21.23	22.03	22.73	24.68	2607	27.45	25-61	
hosphoric Acid in Phosphates	none	none	none	none	none	none	none	none	rome	none	none	
itrogen in Nitrates	0.78	071	0.73	0.75	0.75	0.75	0.71	0.62	0.78	0.54	008	4
monia	none	none	none	0.0006	0.0004	0.0003	0.0004		tiace only	none	none	
Ibuminoid Amnonia British Geological	P 19996	0.0008	0 0008	0.0016	0.0021	BAIRA Geo	logicaPstriv	0.0011	0.0014	0.0011	0.0044	British Geological
xygen absorbed in 15 minutes	trace only	trace only	trace only	trace only	trace only	trace only	trace only	trace only	trace only	trace only	frace only	
xygen dbsorbed in 4 hours	0.024	0.030	0:042	0.036	0.042	0.030	0052	0.030	0 064	0034	0.034	
ardness before boiling (total)	232	23.3	23.2	23.3	23.4	22.9	20.3	23.5	23.6	23.1	22.9	
ardness after boiling (permanent)	53	5.7	56	5.7	5.8	5.3	5.4	5.6	\$.7	5.5	5.3	
otal solid matter	50.33	50.75	49.84	50.26	51.11	49.35	50.51	36.35	57.19	56.91	53.69	
icroscopical examination of deposit	slight &	slight 9. shimpertant	dight &	Aught 9. whimportant	slight &	slight 9, uninfortant	slight 9. unimportant	slight 9- uninpotan	- alight	dight &	dight &	
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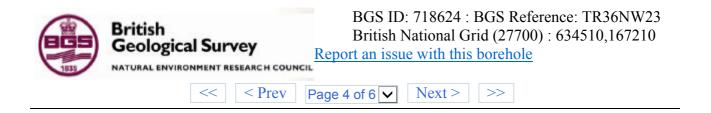
ritish Geological Survey	for 17th	Feb 17"	Da Mar 23 1906	april 20	1.7.1	1905	1417	1906	1000	Gat and	Nor 20 # 1906	Elac 17 K 1906	I Survey
secription or number of sample.	406 PS . J .	1906 P.S. U	RS:2	P.S' 4	PS 2:	PS Y	AS'Z'	As. 'a'	AS . D'	A6'8'		PS E	
escription or number of sample.	cha	chor	cha	char	char munbles	clear	char.	char de	gun lin	and an	clear	clean .	
olour	r .	gun blac	gun lla	grown-the	none	none	none	none	none	none	none	none	
hlorine \$1 Chlorides	none . 15.82	15.82	16.09	16:45	17.64	16.45	18:41	20.93	21.14	20.72	19.88	21.35 35.18	
hlorine as salt	26.07	26.07	2734	27.11	29.07	27.11	30.33 none	34:49 none	34.84	34:14	32.76	none	
hosphorie Acid in Phosphates	none 0.76	2000e	none 0.85	0.80	0.69	0.77	0.76	0.79	0.72	0.72	0.75	0.78	
itrogen in Nitrates	0.0006	0 0006	0.0005	0.0004	0.0003	0.0000	0.0004	0 0003	0.0003	0 0004		0.0003	
amonia Ibuminoid Amonia British Geologica			1	00008	10 0011	0.0008	0.0014	0.0014	0.0014		0.0014	tree only	British Geological Survey
xygen absorbed in 15 minutes	1 in may	10022	0.036	0.036	11 1	0.038	0.068	0.044	0.064	0056	0.038	0.030	
Dxygen dbserbed in 4 hours. Hardness before boiling (total)	27.7	27.8	27:0	27.0	27.4	26.6	27.4	28.5	28.8	28.7	28.5	28.6	
Marciness after boiling (Permanent)	10.1	10.2	94	91	9.8	9.0	9.8	67.83	67.97	46.99	4.22	66.15	
Total solid matter	53.97 dial 9	54:67 dist 9	57:47 digle 9	35.44 digty		slight	diston	digle 9	very dight			slight &	
Microscopical examination of deposit.	animpola	1 6	uninterior				unimportan	uninportant	anipate	magniant	unyolant	a maganiant	

British Geologi	British N	718624 : BGS Reference: TR36NW23 National Grid (27700) : 634510,167210 e with this borehole
	< < Prev Page 1 of 6	Next > >>
British Geological Survey	RECORD OF WELL	For Institute use only Licence No. TR 36NW 22023.1.5.090
	AL SERVICE RETHER CONTROL SUPPORT	$274/_{58}$ A
EXACT SITE	Six-inch National Grid sheet and reference TK. 34	ant. Water and Drainage Division
British Geological S <b>.D.C.E.T.E</b>	Address (if different from above) . Westwood . Road	ft (
British Geological Sumerica AS	SHAFT	
NECESSARY British G	HEADINGS (please attach details-dimensions and di BORE	ter: at top
British Geological Survey TEST CONDITIONS	depression toft (m) below we Capacity of pumpg.p.h. (	well top. Suction at. <u>Hander Geological Survey</u> m) galls per
CONDITIONS	DESCRIPTION OF PERMANENT PUMPING EQUI Make and/or type	Suction at
British Geological Survey LOG OF	British Geological Survey	British Geological Survey
STRATA		Received from
	GEOLOGICAL SCIENCES British Geological St	Date
Hydrogeolo Exhibition London SW	ROAD	6" mapGrid Sheet (use symbol) Copy to
,	GS 2494 10 000 7/79	Date



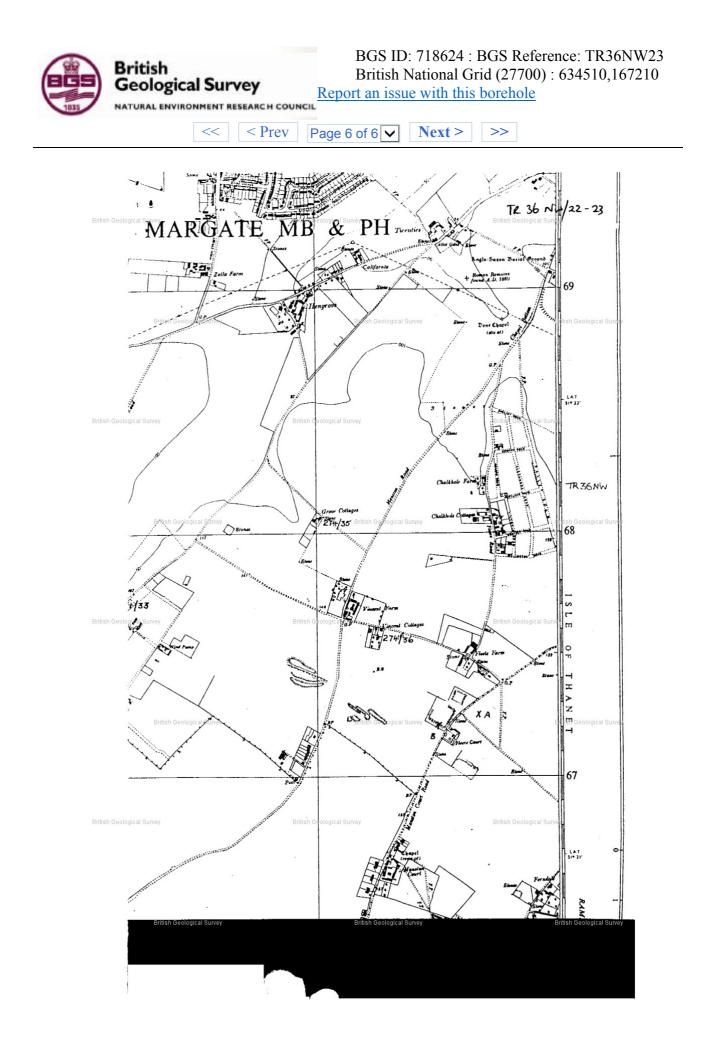
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British Geological	RECORD OF V			26/66R	Diogical No.450.90
British Geological		V V III III Geological Sulvey			
	At Service Reser	voir Fleete		71	D
	MANSTON	·		/ 7 /	
1	Town or VillageNr.	Ramsgate.			20 -
	County Kent			í	20
EXACT SITE	British Geological Survey Six-inch County Sheet		Jeological Survey	-	British Geological Survey
OF WELL	8" N.D. Washout	Borehole	. <u>2.74,/58</u> BONW		1
	Six-inch National Grid shee				
	For Southern Wat				ainage Division
	State whether owner, tenan	it, builder, contractor, con	sultant, etc.:—	Owner	
_ ·	Address (if different from a	bove) Westwood Ro	bad, Broads	tairs, Ken	
British Geological	n survey	British Geological Survey			ological Survey
	Level of ground surface ab	ove sea level (O.D.)	ot Known	ft (	
*DELETE	If well top is not at ground	level, state how far above	*	ft (	
AS	SHAFTft (		•		
NECESSARY	HEADINGS (please attach			· · · · · · · · · · · · · · · · · · ·	
	BORE		,	8 :	British Geological Survey
			meter: at top		
	bottom8"in (				
	Full details of permanent line				
	$40m \ge 8\frac{5}{8}$ " 0.D.	<b>T</b> O			tube
	installed to 4	Om B.G.L. the to	op being le	ft at G.L.	
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British Geological	Water struck at depths of Rest level of water	.Notrecorded	ft ( <del>-</del> bove <sup>*</sup> well top. Si elow	British Geo	ft (m)
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TEST	Water struck at depths of Rest level of water	.Notrecorded	ft ( <del>-</del> bove* well top. Si elow	British Geo	ft (m) ) perwith British Geological Minis
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TEST	Water struck at depths of Rest level of water	Not. recorded	ft (	British Geo uction atma ma ery to rest level in Not Pumped	) per with British Geological Mining hours
TEST	Water struck at depths of Rest level of water	.Notrecorded ft (	ft (	British Gee	ft ( m) ) per with Bittigh Geological minis hours
TEST	Water struck at depths of Rest level of water	Not. recorded ft (	ft (	British Geo uction at	ft (
TEST CONDITIONS	Water struck at depths of Rest level of water	Not. recorded	ft (	British Geo uction at	ft (
TEST CONDITIONS	Water struck at depths of Rest level of water	Not. recorded ft (	ft ( torve* well top. Si elow well top. Recov galls ( EQUIPMENT: Mo er hour. Suction a galls ( ) per week	British Ged	
TEST CONDITIONS	Water struck at depths of Rest level of water	Not. recorded ft (	ft ( torve* well top. Si elow well top. Recov galls ( EQUIPMENT: Mo er hour. Suction a galls ( ) per week	British Ged	
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TEST CONDITIONS	Water struck at depths of Rest level of water	Not. recorded. ft (	ft ( bore* well top. Si 	British Geo Line of sinkingJu atte of sinkingJu	
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TEST CONDITIONS	Water struck at depths of Rest level of water	.Not.recorded. 	ft (	British Oee	
TEST CONDITIONS CONDITIONS CONDITIONS	Water struck at depths of Rest level of water	.Not.recorded. 	ft (	British Oec	hours hours
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TEST CONDITIONS CONDITIONS CONDITIONS LOG OF STRATA OVERLEAF	Water struck at depths of Rest level of water	Not. recorded. 	ft (	British Geo British Geo British Geo ate of sinkingJ ate of sinkingJ ble) Received Date Observati Recorder, E.R. log	
TEST CONDITIONS CONDITIONS CONDITIONS	Water struck at depths of Rest level of water	.Not.recorded. 	ft (	British Gee action at	
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British Geologic	British	D: 718624 : BGS Reference: TR36NW23 n National Grid (27700) : 634510,167210 sue with this borehole
	<pre>&lt;&lt; Prev Page 3 of 6 </pre>	Next > >>
	, 	For Institute use only Licence No.
British Geological Survey	RECORD OF WELL         British Geological Survey           At         Service Reservoir Fleete           MANSTON	274, B
EXACT SITE	Town or VillageNr. Ramsgate. County Kent.	- /58
OF WELL British Geo	8", N.D. Washout Borehole Sixinch National Grid sheet and reference BritisTRaig For Southern Water. Authority, Ea	6 N.W. 3451 672) TR 36 NKO/23 st Kent Water and Drainage Division
		ad, Broadstairs, Kent.
British Geological Survey DELETE AS NECESSARY	Level of ground surface above sea level (O.D.)	rft (m);
British Geo	BORE	neter: at top8in (cm); at
	40m x 83" O.D. x 16 W.T. plai installed to 40m B.G.L. the to	n mild steel lining tube p being left at G.L.
British Geological Survey	Rest level of waterBritish Geological Su144m) at	ft (m) below well top סיפילי well top. Suction at איזיסי איזיסי ( וויקריסי m) elow
TEST CONDITIONS	Yield on       hours'* test pumping at         depression to       ft (m) below         Capacity of pump       g.p.h. (	m <sup>3</sup> /h)
British Od NORMAL	DESCRIPTION OF PERMANENT PUMPING E British Geologi Make and/or type	QUIPMENT: British Geological Survey Motive power
CONDITIONS	below well top. Amount pumpedgalls (m	
British Geological Survey	ADDITIONAL NOTES Brit ANALYSIS (please atta	). Ltd Date of sinking. June/July, 1981 ach copy if available) British Geological Survey
LOG OF STRATA		Received from
<b>OVERLEAF</b> British Geo	logical Survey British Geologi	Observation well Recorder E.R. log
Institute o Water Dep South Ken: London, S.	SINGTON,	6" map (use symbol) Copy to Date



	11.999 ( <sup>1</sup>	12	14	300		_ <b>`</b>	-
(For Institute use only)	NATURE OF STRATA British Geological Survey		THICKN	<b>ESS</b> British Geologica	I Survey	DEPTH	[
GEOLOGICAL CLASSIFICATION	If measurements start below ground surface, state how far.	Feet	Inches	Metres	Feet	Inches	Metr
HEAD	Sandy clay and stones.			4.00			
BRICKEARTH	Soft silty clay			1,00			
Bri	ish Geological Survey British Geological Survey Stone. and dark brown sand.			0.50	British	Geological	Survey
	Soft chalk with some flints			10.50			16.0
UPPER	Softchalk.with.some.very.soft						
CHARK	seams, flints.			24.00			40.0
British Geological Survey	- Pritich Coological Survey	1			l Survey		•••••
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British Geological	BGS ID: 718624 : BGS Reference: TR36NW23 British National Grid (27700) : 634510,167210 Report an issue with this borehole							
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	NATURE OF STRATA		Тніски		36 (	DEPTH	23	
For Institute use only British Geological GEOLOGICAL CLASSIFICATION	British Geolf measurements start below ground surface, state how far.	Feet	Inches	sh Metres	Feet	Inches	Metre	
HEND	Sandy clay and stones.			.4.99			4.00	
BRICHEMRIN	Soft silty clay			1.00				
	Stone.and.dark.brown.sand.			Q_ 5.0.				
British Geological S	Soft.chalk.with.some.flints.			10.50	Britist	Geologi	16.00	
Utter	Soft.chalk.with.some.very.soft							
CHARK	seams, flints.			24.00			40.00	
	Soft.chalk.			10.00			50,00	
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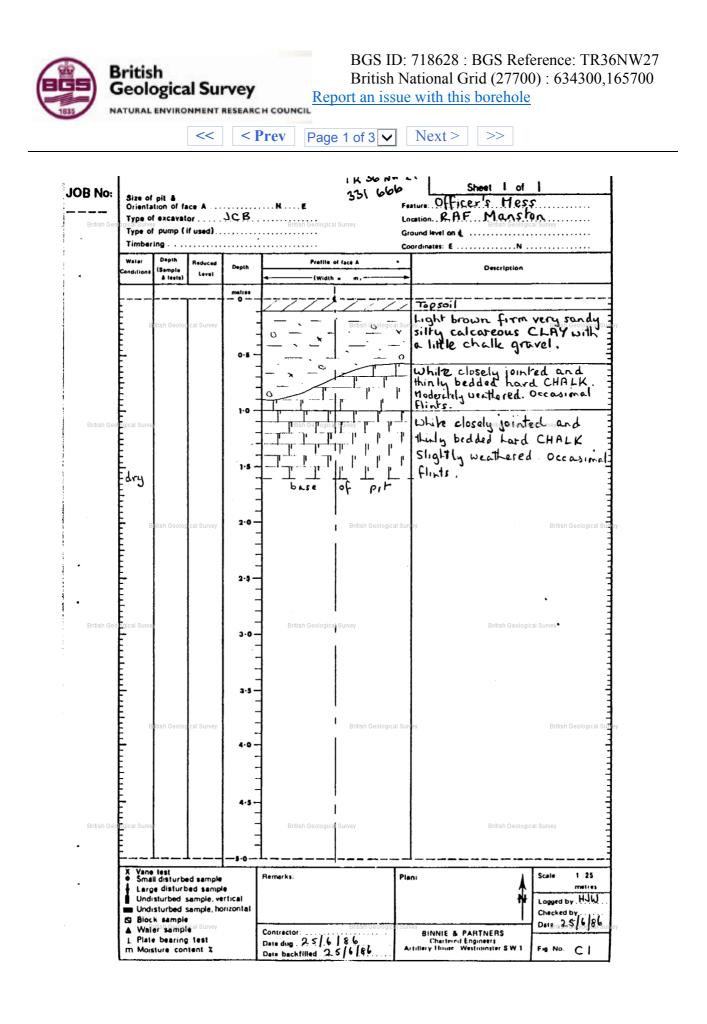


	British Geological Survey NATURAL ENVIRONMENT RESEARCH C	BGS ID: 718625 : BGS Reference: TR36NW24 British National Grid (27700) : 634300,165700 Report an issue with this borehole
	<< < Pre	Page 1 of 1         Next >         >>
Britist	h Geoloogal Survey	British Geological-Survey MANSTON RAF (Ash UKADGE RX) Trial Pit Logs
с.	Dug by Tractor/backh	
	Branchi Pite No 1 GL - 100mm 100 - 400	TR 36 NW 24 British Geological Survey 343 657 Turf and Topsoil. Brown, loose to medium dense, clayey silty fine SAND.
Britist	400 – 900 900 – 1900 h Geological Survey	Reddish-brown, medium dense, very clayey silty fine SAND. Grey-brown, medium dense, clayey, silty sandy slightly chalky, flint GRAVEL. White, very thinly bedded, very closely jointed CHALK. British Decological Survey Modernately weak.
	2500	Base of pit.
		No ground water.
	<u>Trial Pit No 2</u> GL - 100mm British Geologica100v - 400 400 - 1200 1200 - 2100 2100 2700	TR 36 NW 2-5 Turf and Topsoil. 343 657 Brown, loose to medium dense clayey silty fine SAND, alsoney Reddish-brown, medium dense, very clayey silty fine SAND. Light grey-brown, medium dense, clayey wilty sandy flint GRAVEL and some chalk. White, very thinly bedded and vry closely jointed CHALK. Moderately weak. Base of pit.
British	h Geological Survey	Non ground Suver. British Geological Survey
	<u>Trial Pit No 3</u> GL - 100mm 100 - 800 800 - 1400 1400 - 1900 British Geological Survey 1900	TR36 NW26Turf and Topsoil.343 657Brown, loose, clayey silty fine SAND.Reddish-brown, loose to medium dense very clayey siltyfine SAND.Light grey-brown, medium dense, clayey silty sandyflint GRAVED Guislightly chalky.White, very thinly bedded and very closely jointedCHALK.Base of pit.
		No ground water.
Britist	Trial Pit No 4           GL - 100 mm           100 - 300           300 - 1000           1000 - 2000	TR 36 NW 27 British Geological Survey Turf and Topsoil. 343 <sup>mish G</sup> 357 <sup>ey</sup> Brown, loose, clayey silty fine SAND. Reddish-brown medium dense, very clayey silty fine SAND. Grey-brown, medium dense, clayey, silty sandy flint GRAVEL with a trace of chalk.
	2000 2500 British Geological Survey	White, very thinly bedded, very closely jointed CHALK. Moderately weak. Base of pit. British Geological Survey No ground water

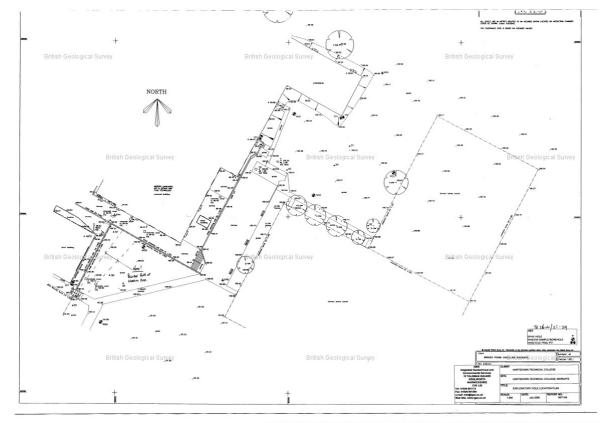
	British Geological Survey	BGS ID: 718626 : BGS Reference: TR36NW25 British National Grid (27700) : 634300,165700 Report an issue with this borehole
	<< Pre	ev Page 1 of 3 V Next > >>
Britist	h Geolongai Survey	British Geological-Survey British Geological-Survey MANSTON RAF (Ash UKADGE RX) Trial Pit Logs
	Dug by Tractor/backh	
	GL - 100mm 100 - 400 400 - 900	TR 36 NW 24 British Geological Survey 343 657 Turf and Topsoil. Brown, loose to medium dense, clayey silty fine SAND. Reddish-brown, medium dense, very clayey silty fine
Britisi	100 - 1900 900 - 1900 h Geological Survey 2500	SAND. Grey-brown, medium dense, clayey, silty sandy slightly chalky, flint GRAVEL. White, very thinly bedded, very closely jointed CHALK. Moderately weak. Base of pit.
		No ground water.
	<u>Trial Pit No 2</u> GL - 100mm British GeologicaTOOV - 400 400 - 1200 1200 - 2100 2100 2700	TR 36 NW 2-5 Turf and Topsoil. 343 657 Brown, loose to medium dense clayey silty fine SAND, Reddish-brown, medium dense, vcry claycy silty fine SAND. Light grey-brown, medium dense, clayey wilty sandy flint GRAVEL and some chalk. White, very thinly bedded and vry closely jointed CHALK. Moderately weak. Base of pit.
Britis	h Geological Survey •	No. ground Sulvey British Geological Survey
·	<u>Trial Pit No 3</u> GL - 100mm 100 - 800 800 - 1400 1400 - 1900 British Geological Survey 1900 1900	TR36 NW26Turf and Topsoil.343 657Brown, loose, clayey silty fine SAND.Reddish-brown, loose to medium dense very clayey siltyfine SAND.Light grey-brown, medium dense, clayey silty sandyflint GRAVED Coslightly chalky.Britten Geological SurveyWhite, very thinly bedded and very closely jointedCHALK.Base of pit.
		No ground water.
Britisi	h Geological Survey GL - 100 mm 100 - 300 300 - 1000 1000 - 2000 2000	Brown, loose, clayey silty fine SAND. Reddish-brown medium dense, very clayey silty fine SAND. Grey-brown, medium dense, clayey, silty sandy flint GRAVEL with a trace of chalk. White, very thinly bedded, very closely jointed CHALK. Moderately weak.
	2500 British Geological Survey	Base of pit. British Geological Survey No ground water

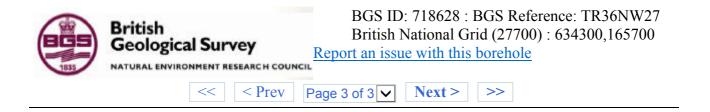
	British Geological Survey NATURAL ENVIRONMENT RESEARCH C	BGS ID: 718627 : BGS Reference: TR36NW26 British National Grid (27700) : 634300,165700 Report an issue with this borehole
	<< Pre	ev Page 1 of 3 V Next > >>
Britis	th Geological Survey Dug by Tractor/backh	FGE/2657 FIGURE 2. British Geological Survey MANSTON RAF (Ash UKADGE RX) Trial Pit Logs
T.		
	BritrialicPiteNo 1	TR 36 NW 24 British Geological Survey るいろ 657
	GL - 100mm 100 - 400 400 - 900	Turf and Topsoil. Brown, loose to medium dense, clayey silty fine SAND. Reddish-brown, medium dense, very clayey silty fine SAND.
	900 - 1900	Grey-brown, medium dense, clayey, silty sandy slightly chalky, flint GRAVEL.
Britis	th Geological Survey 1900	White very thinly bedded, very closely jointed CHALK. Bindsh Geological Survey Moderately weak. Base of pit.
		No ground water.
	Trial Pit No 2	
	GL - 100mm British Geologica100v - 400 400 - 1200 1200 - 2100 2100 2700	TR 36 NW 25 Turf and Topsoil. 343 657 Brown, loose to medium dense clayey silty fine SAND, cal Survey Reddish-brown, medium dense, very clayey silty fine SAND. Light grey-brown, medium dense, clayey wilty sandy flint GRAVEL and some chalk. White, very thinly bedded and vry closely jointed CHALK. Moderately weak. Base of pit.
Britis	sh Geological Survey •	Nonis ground Sulvey British Geological Sulvey
	<u>Trial Pit No 3</u> GL - 100mm 100 - 800 800 - 1400 1400 - 1900 British Geological Survey 1900 1900	TR36 NW26Turf and Topsoil.343 657Brown, loose, clayey silty fine SAND.Reddish-brown, loose to medium dense very clayey silty fine SAND.Light grey-brown, medium dense, clayey silty sandy flint GRAVED Googleatigntly chalky.British Geological SurveyWhite, very thinly bedded and very closely jointed CHALK.Base of pit.
		No ground water.
Britis	th Geological Survey GL - 100 mm 100 - 300 300 - 1000 1000 - 2000 2000	TR 36 NW 27 Smitch Geological Survey Turf and Topsoil. Brown, loose, clayey silty fine SAND. Reddish-brown medium dense, very clayey silty fine SAND. Grey-brown, medium dense, clayey, silty sandy flint GRAVEL with a trace of chalk. White, very thinly bedded, very closely jointed CHALK. Moderately weak. Base of pit
	2500 British Geological Survey	Base of pit. British Geological Survey No ground water

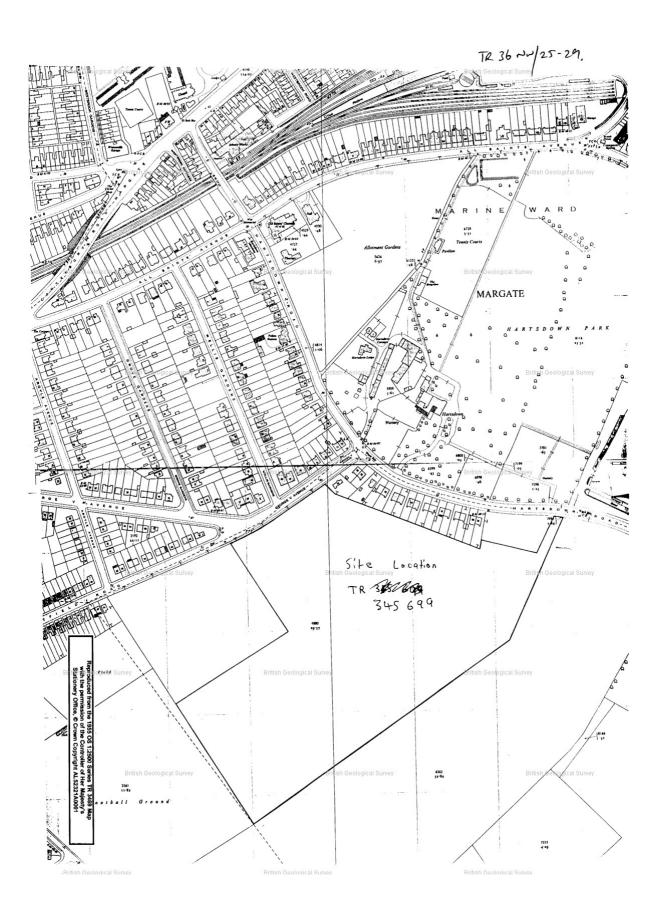
http://scans.bgs.ac.uk/sobi\_scans/boreholes/718627/images/12583672.html



British Geological Survey	BGS ID: 718628 : BGS Reference: TR36NW27 British National Grid (27700) : 634300,165700 Report an issue with this borehole
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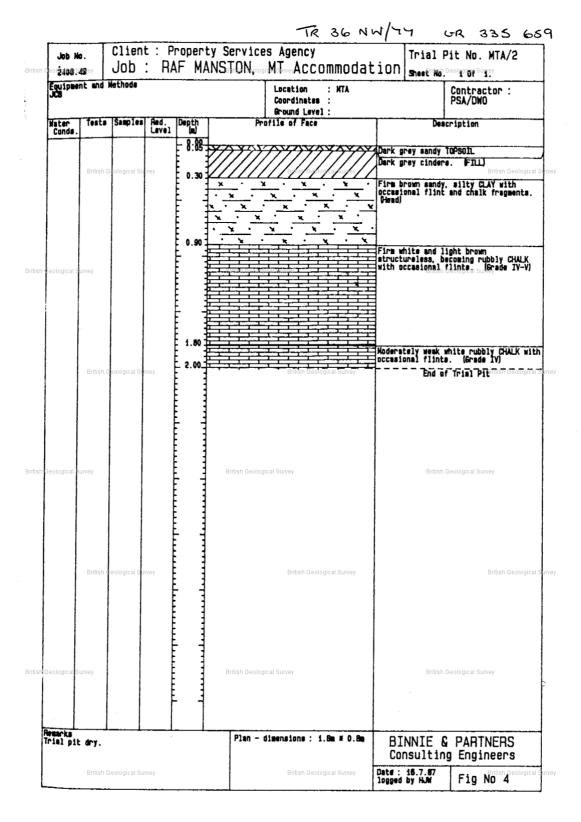




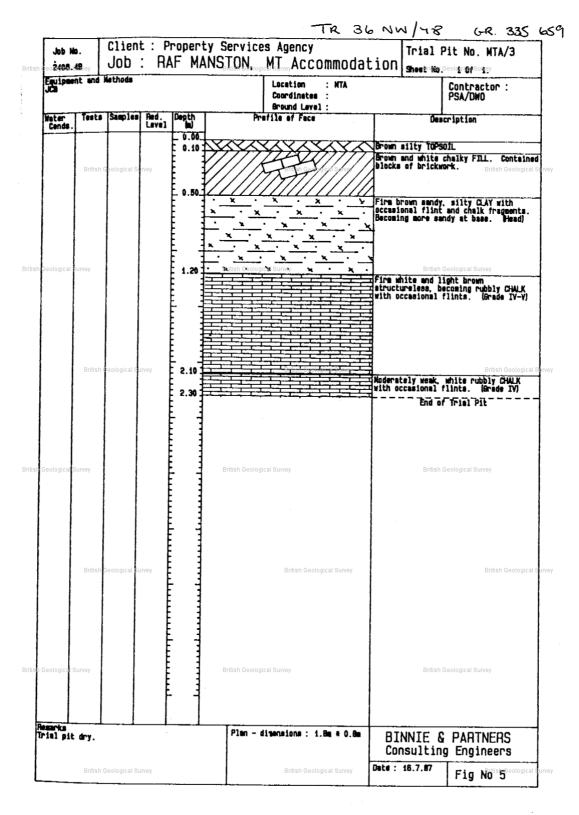
British Geological Survey NATURAL ENVIRONMENT RESEARCH COUNCI	BGS ID: 718677 : BGS Reference: TR36NW76 British National Grid (27700) : 633500,165900 Report an issue with this borehole
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British Ge	JOD N 2408.	. 1	Clien Job	t:P :R/	roper AF M/	ty Services Agency NSTON, MT Accommo	dation	Trial	Pit No. MTA/1
	Equipse JCB	nt and	Hethods			Location : NTA Coordinates :			Contractor : PSA/DWO
	Water Conds	Tests	Samples	Red. Level	Depth (m)	Ground Level : Profile of Face		Dea	cription
					- 8:89	<i> <i>\\``\``\`\`\`\`\`\`\`\</i></i>		rey sandy	
		British Ge	ological Surv	ey	C 0.20	British Georgical Survey	- Firm t	rey cinder rown silty lonal flint	sandy CLAY with or and chalk fragment
						<u> </u>	_ × (Piend) 		•
						$\begin{array}{c} \cdot & \cdot & \cdot & \cdot & \cdot & \cdot \\ \cdot & \times & \cdot & \times & \cdot & \cdot & \cdot \\ \cdot & \cdot & \cdot & \cdot & \cdot & \cdot & \cdot$	- *.		
British Ge	ological Su	rvey			1.10		- 1	hite mnd i	ight brown ecoming rubbly CHAL flints. (Grade IV-
							with a	ccasional	flints. (Grade IV-
					1.80		Modeca	tely werk	white public Public
		British Gé	ological Suiv	ev	2.10		OCCasi	onal flint	white rubbly CHALK 8. (Grade IV) British Geologi
		i and	ological out	<i>c</i> }				End o	f Trial Pit
British Ge	eological Sur	rvey				British Geological Survey		British G	eological Survey
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				Ē					
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British Ge	eological Sur	rvey		Ę		British Geological Survey		British G	eological Survey
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A	esarks						_		
T	rial pit	ery.				Plan - dimensions : 2.0m # 0.5	DI	NNIE & NSUltin	PARTNERS g Engineers
		British Ge				British Geological Survey		16.7.87 by H.M	Fig Nö <sup>sh</sup> 3 <sup>eologi</sup>

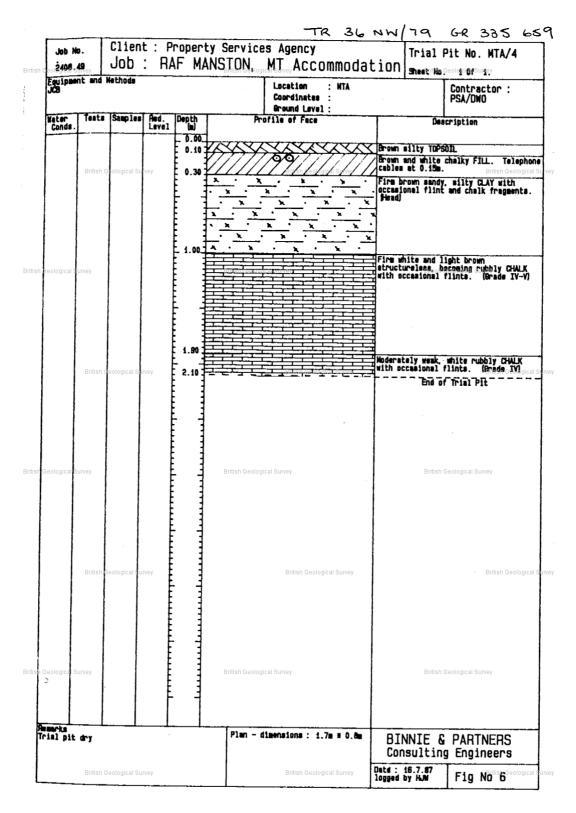
British Geological Survey NATURAL ENVIRONMENT RESEARCH COUNCIL	BGS ID: 718678 : BGS Reference: TR36NW77 British National Grid (27700) : 633500,165900 Report an issue with this borehole
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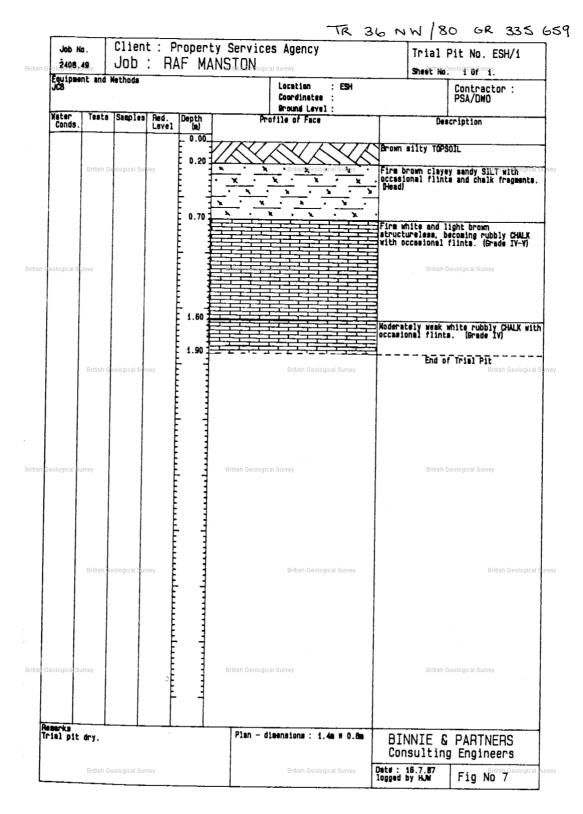
British Geological Survey	BGS ID: 718679 : BGS Reference: TR36NW78 British National Grid (27700) : 633500,165900 Report an issue with this borehole
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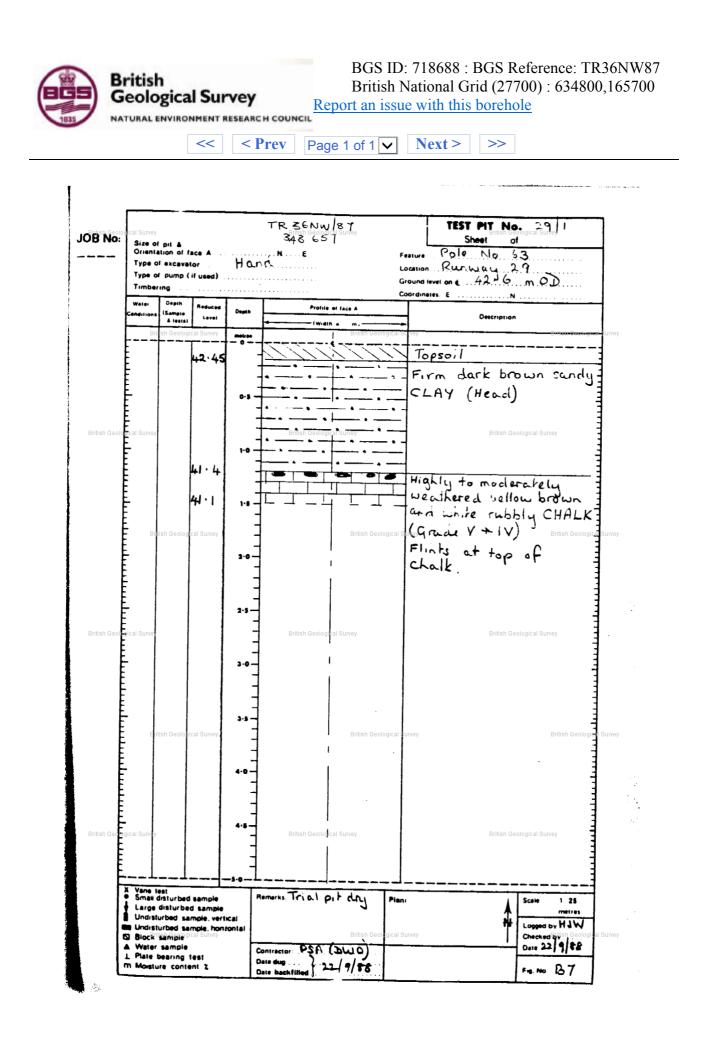


British Geological Survey	BGS ID: 718680 : BGS Reference: TR36NW79 British National Grid (27700) : 633500,165900 Report an issue with this borehole
< < Prev	Page 1 of 1 V Next > >>



British Geological Survey	BGS ID: 718681 : BGS Reference: TR36NW80 British National Grid (27700) : 633500,165900 Report an issue with this borehole
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British Geo DB No:	ogical Survey Size of pit & Orientation of Type of excavi				TEST PIT No. 29/2 Sheet of of Surface source Poll No. 7.8 source R. W. W. 94 2.9	· · · ·
	Type of pump Timbering	(if used) .			raund level on e 41:5 <sup>7</sup> m OD	
	Water Depik Conditions (Sample & tests		Depth	Profile of face A	Description	
	eritish Ge	41.4			Topsoil Firm light brown very Sandy CLAY (Head)	
British Geo	agical Survey	40 4 40 · 3	1+0 - - - - 1+5 -	British Geotocical Survey	Highly weathered yellow brown rubbly CHALK (Grade V)	
	rritish Ge	ological Survey	2.0 - - - - 2.8 -	British Geologica	Survey British Geolog	al Survey
British Ge	ingical Suncy		- - 3.0- - - -	British Geological Survey	British Geological Survey	
	British Ge	ological Survey	3-6 - - - - 4-0 - -	British Geologica	Survey British Geolog	igal Survey
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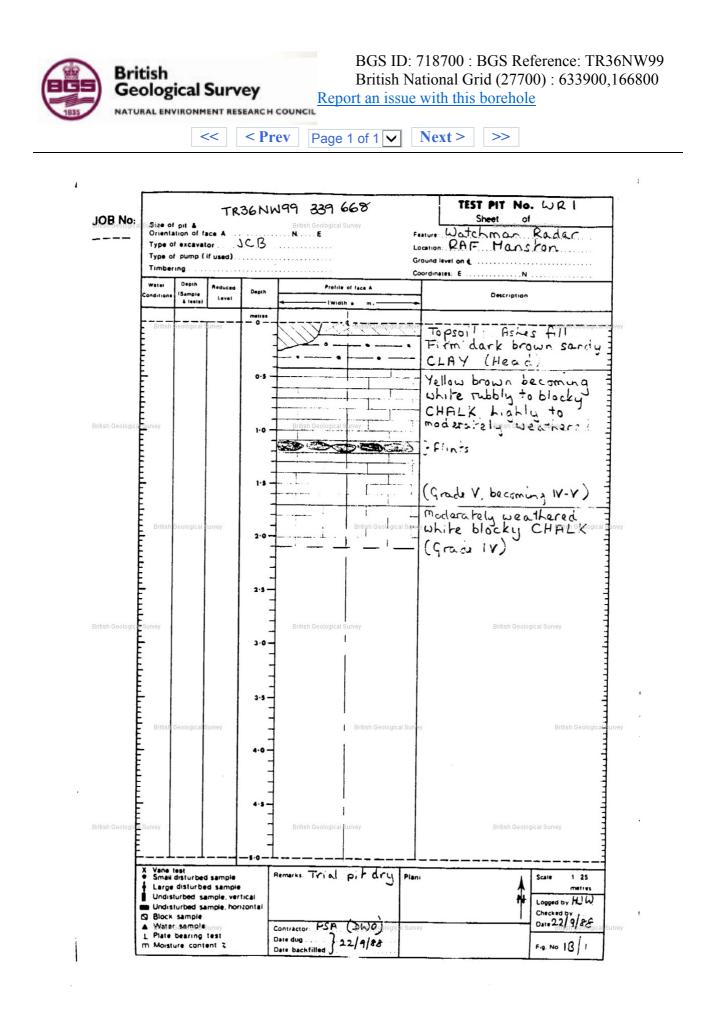
http://scans.bgs.ac.uk/sobi\_scans/boreholes/718689/images/12583734.html

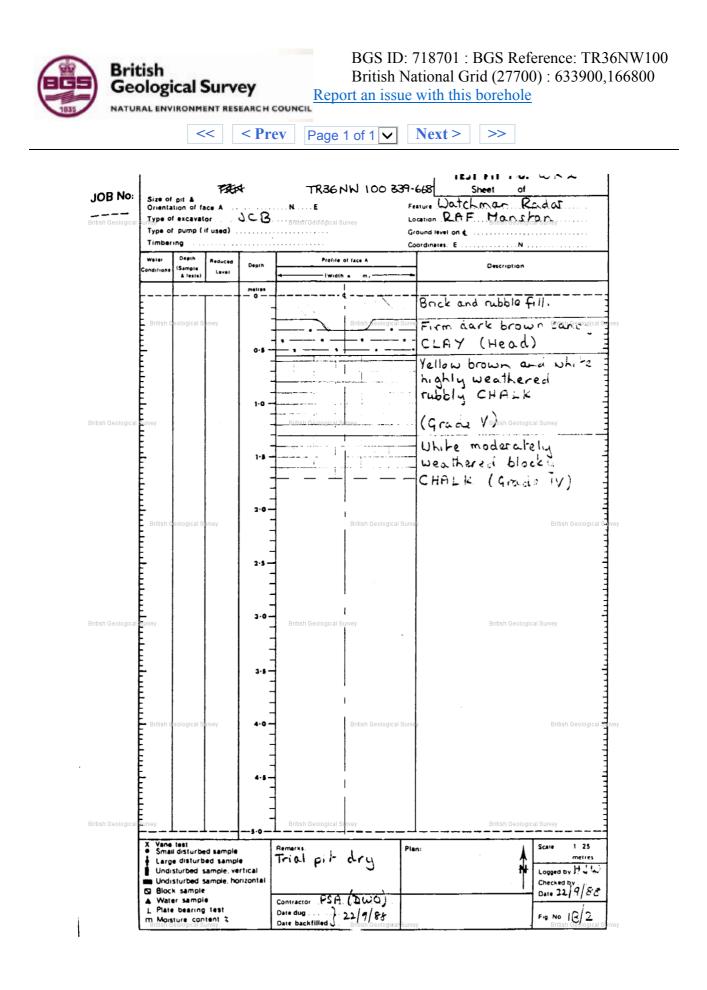
	British Geological Survey	BGS ID: 718690 : BGS Reference: TR36NW89 British National Grid (27700) : 634800,165700
1835	NATURAL ENVIRONMENT RESEARCH COUNCIL	Report an issue with this borehole
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British Ge No: 1	Туре о	pit & ition of fi excaval pump (	lor if used)	· · · · · · · · · · · · · · · · · · ·		Swil <b>8</b> Grong Survey	Location Ground I	Pole N Run Wa evel on £ 36	0 85 24 29	logical Sun	· · · · · · · · · · · · · · · · · · ·	
	Water Candilions	Depth (Sample & letts)	Reduced Level	Depth	Prefile 	of face A						1
	<u> </u>		logical Surve	metres	- I wiat	British Geol	ogical Survey				British Geolog	jidal Si
			86.5 36.4	- 0	XIII			psoil				
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				1-8 -			ue an	athered athered a white irade V	yello	w bi cy C	ο MALK	يليث
		British Geo	bgical Surve	2.0-		British Geol	ogical (unity	rade V	/~1 )		British Geolog	illal S
					4							
British Ge	wogical Sur	ey		2.8 -	British Geol	ogical Survey			British Geo	logical Sun	vey	
	uluut			3.0- -	-	1						
				3-5 -							-	
		British Geo	ogical Surve	-	-	British Geol	ogical Survey				British Geolog	in al S
				-	-						-	
British Ge	elogical Sui	rey		4-8- -	British Geol	dgical Survey			British Geo	logical Sun	vey	
	X Vane				<u> </u>						<u> </u>	
	Small     Large     Under	disturbe disturb Nurbed s sturbed s	ed sample led sample lample, ver lample (10)	rtical rizontal	Romarks. Trial	Ĵ	Plan:		*	Charter		
	A Wate	bearing ture con	test		Contractor: PS A Date dug	(DWO)	ogical Survey			Date 2	2 9 8	g bal S

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British Geologi DB No:	Size of p Orientation Type of Type of	on of fa excavat pump (	or . if used) .	Har		TEST PIT Non-optical 2014       Sheet of       Feature     Pole     Na     100       Location     Run Way     29       Ground level on (37:5 m. OD)
-	Water Water	Depik Sample	Reduced	Depin	Profile of face A	Coordinates. EN
	Bhils	4 teers) In Geolog	Level Ical Survey	motras	(Width a m,	vergroup Stilleb.Gealingiesi-
			37.4	0.5 -		Firm dark brown sandy CLAY (Head)
British Geolo II	al Survey		36.35	- - 1·0		British Geological Survey
			36.2	- 1-5 -		Highly weathered yellow brown rubbly CHALK (Grade V)
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British Geologi	al Survey			3·0	British Geological Survey	British Geological Survey
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British Geol git	al Surve			4.8	British Geologi <b>ş</b> al Survey	British Geological Survey
	Large	isturbe disturni irbea si	d sample ed sample ample, ver	tical	Romorks. Tri al pit dry P	Ien: Logged by If JW

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British Geolog JOB No:	Size of Orienta Type of	ition of f excave f pump (	lor H		TR 36NW 348 657 		eature Pole	PITits No.stal heet of No. 106 Way 29 33.40 m C	<u>ъ</u>
	Water Conditions	Depin	Aeduced Level	Depth	Profile at	face A	Coordinates. E	Oescription	
		4 (ests)		- 0 -	(widin .	Rutish Geological S			British Geological Survey
			32.75					clayey to urk brown	
				0-5 -	• •	• • • • •	CLAY	(Head)	
British Geolog	ical Survey		32.05		- British Geological	Survey	-	British Geological Su	1
			31.85	1.0 -			Highly w brown r	ubbly CH	yellow = ALK
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British Geol	ical Survey			- - 4·8	British Geological	Survey		British Geological Su	rvey
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	X Vane								
	<ul> <li>Smail</li> <li>Large</li> </ul>	disturbe	d sample Id sample Imple, vert		Remerks. Trial F	o. + dry   Pie	nı	Scale	1 25 metres a by HJW





British Geological Survey	BGS ID: 718710 : BGS Reference: TR36NW109 British National Grid (27700) : 634600,165700 Report an issue with this borehole
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ist	Clier			Geological S	UN Survey		Coor Date:	dinates : s <sup>Bruish</sup> 25/1/9	slSurvey
	Job Nu Trial Locat:	Pit No.: TP A				isions : id Level :			
	Red. Level	Description	Depth m.	Samples Taken	In-Situ Tests	Legend		Diagram	
		Firm to stiff, brown, silty, sandy, gravelly, CLAY, friable, many roots at the top, sand and gravel - Chalk and Flints.	(0.60)		British C				British Geologic
tish	Geological	Stiff to firm, brown, silty, sandy, gravelly, CLAY as above but with no roots. Yane peak shear strength test results in kPa - 100, 102, 66 & 96. unney	0.60 (0.70)	Geological a	Survey			British Geologic:	al Survey
		Hedium dense locally loose. orange brown, fine to coarse, SAND, locally very clayey.	1.30						
	•***	British Geological Survey	(1.10)		British (	şeological Şurvey	·		British Geologic
tish	Geological	White grade 5/6 CHALK, dry and brittle/friable, locally mixed sand a/a and chalk gravel.	2.40 British (0.50)	Geological	Survey			British Geologic:	al Survey
		End OF Trial Pit	2.90						
		British Geological Survey			British 2	Geological Survey			British Geologic
	Geological ey: anple Ty	Gumer N Water In- P Piston SPT	SPT Valu	Geologica ( S: IE	Survey	The p	al Remark it was dr	y. The edge of a co	ncrete road.
U D 8	Undis Distu Bulk	turbed T Thin Wall pp rbed X No Recovery m/c Disturbed	CPT Valu Pocket F Moisture	Penetrome	ž	200m	r of the	as found in the s pit at a depth of O intated due east - w	outh eastern .6m. The road
J	quipment CB 3CX	and Methods:				Scal 4n/S	e : heet	Sheet No. 1 Of Depth 0 to	1. 4 metres.
		British Geological Survey			British (	eological Surga	ieer :	Appendix : F	igure No. : British Geologic

http://scans.bgs.ac.uk/sobi\_scans/boreholes/718710/images/12583759.html

British Geological Survey	BGS ID: 718711 : BGS Reference: TR36NW110 British National Grid (27700) : 634600,165700 Report an issue with this borehole
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British Geo	Con Clier	ract : it :	RX RE RAF MAN	CEIVE	R GoS	ĴAŢĪ	- 110 ON			ordinates : tes		Il Survey
	Locat:	Pit No.: T	\0733 P 8 E of Bush	Farm				sions d Leve]	 : :			
	Red. Level	-	iption		Depth m, 0.00	Sample: Taken	In-Situ Tests	Legend		Dia	gram	
		Stiff to fir: silty, sandy, line to weddi peak/reside kPa at appros 105/45, 80/30	A, brownish ∂ CLAY, with miChalk gran shear strer . 0.5m - 90/ & 94/30.		(1.10)		British Geolo				_	British Geological I
British Geo		White grade 6 prittle/friab the top prade 5 at ap plack flint co		and -	1.10	ogical Surv	2y			British G	eologica	
British Geo	logical Su ve		Trial Pit		(1.50) (1.50) 2.60	logical Su v	British Geo			British G	eologica	British Geological t
	Ш	• •			*******		British Geolo	gical Survey				British Geological :
Key	ilogical Surve Pip Ie Type: Und isturb Bulk Dis	N P S: J Tobed T red ¥	Water Piston Jar Thin Wall No Recovery	In-Sit SPT SP CPT CP DP Poo	u Tests: T Value T Value Cket Per	logical Surv netromet Content		Gene	ral Remar pit was d	British G ks : ry. Digging d		il Survey
		id Methods:						Scal	e :	Sheet No.	1.0	1.
		ritish Geological Su					British Geolo	4m/9	neer : VIS	Appendix :	0 t	4 metres. Billich Geological: Figure No. :

British Geological Survey Natural environment research council	BGS ID: 718712 : BGS Reference: TR36NW111 British National Grid (27700) : 634600,165700 Report an issue with this borehole
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ritish	∘Cont Clier	anact : RX RECEIV			Coordinatesrith Geo Dates : 25,				ological Survey				
	Job Nu Trial Locati	Pit No.: TP C			Dimensions : Ground Level :		ŝ		······································				
	Red. Level	Description	Depth 	Samples Taken	In-Situ Tests	Legend	T			Diagra	n		
		Firm, brown, silty, sandy, CLAY, with some chalk and flint gravel, many rootlets.	1 0 00 1		British G		u vey					British Ger	ologica
		White grade 5/6 CHALK, dry & Drittle/friable, locally grade 6 at the top.	0.45										
itisli	➡ Geological S	urvey	British 0	eological S	urvey					British G	eologic	al Survey	
-	£.	* British Geological Survey			British (		uurvey .					British Gei	ologica
	9.05	End Of Trial Pit	2.00		5	<u> </u>							
ritish	Geological	turvey	Britisha	eological a	urvey					British G	eologic	al Survey	
		British Geological Survey			British e	eological S	inrvey					British Ge	ologica
ritish	Geological s	survey	British 3	eologicalS	urvey					British G	eologic	al Survey	
SUDB	Bulk I	rbed I Inin Wall pp rbed X No Recovery m/c Disturbed	Situ Test SPT Valu CPT Valu Pocket P Moisture	enetrome	ter X		General The pit	Aemarks was dry.	:			<u> </u>	
Ē	quipment CB 3CX	and Methods:					Scale : 4m/Shee	t	Sheet Depth		1 Of 0 to	1. 4 metres.	
		British Geological Survey			British G	ieological	Enginee J. DAVIS	r :	Appen			Figure No. :	

.

British Geological Survey NATURAL ENVIRONMENT RESEARCH COUNC	BGS ID: 718713 : BGS Reference: TR36NW112 British National Grid (27700) : 634600,165700 Report an issue with this borehole
<< < Prev	Page 1 of 1 V Next > >>

Joh	ntract : RX RECEIV Lent : RAF MANSTON Number : 6\0733	ALK SIAIJ	UN	Coordinates <sup>ie elogical Survey</sup> Dates : 25/1/91
Loc	al Pit No.: TP D ation : SE of Bush Farm		Dimensions : Ground Level :	
Red Leve		Depth Samples m. Taken	In-Situ Legend Tests	Diagram
sh Gellogical St	Firm, red brown, silty, very sandy, CLAY, with some fine to coarse. Chalkwand Flint gravel, many rootlets at the top. Vane peak/residual shear strengths in kPa at approx 0.5m - 55/15, 68/20 \$ 42/10 and at approx. 0.8m - 93/30, 60/20 \$ 60/20.	Bri Guida, 90) Joical Survey	sh Geolog (2010) 2010	British Geological Si British Geological Survey
ish Qeological St	British Geological Survey Mhite grade 5 CHALK, dry 6 brittle/friable.	1.90 (0.70] 9ritish Gological Su vey 2.50		British Geological St British Geological Survey
	British Geological Survey	Briti	ish G-ological Suney	British Geological S British Geological Survey
	ad put and put por	i Tests: Value Value Ket Penetrometer Sture Content %	General R The pit w	emarks : as dry.
JCX			Scale : 4m/Sheet	Sheet No. 1 Of 1. Depth 0 to 4 metres.

British Geological Survey	BGS ID: 718714 : BGS Reference: TR36NW113 British National Grid (27700) : 634360,166930 Report an issue with this borehole
 < < Prev F	Page 1 of 1 V Next > >>

LOC Proj	ation : RAF MANSTO ect : Monopulse SSR	N British Geologica	Survey		Trial P Dates	Pit No.: 1910 : 25/2			
Clien Repor	t : PSA Services t No. : G/0731			sions d Level	:	m above OD			
Red. Level	Description	Depth Samples #. Taken 1 0.00	In-Situ Tests	Legend		Remarks			
	Turf over dark brown very sandy CLAY with a few scattered pebbles. (Topsoil)	0.20	Britist	Ģeeļegical	Survey		British Geologica		
	Fire brown sandy CLAY with a little fine to coarse sub rounded flint gravel becoming more gravelly with depth.	B <sub></sub> 8535							
sh Geolog	al Survey	(0.80) British Geologica	Survey			British Geolo			
		1.00			Plate Loading 0.8m below GL.	Test (No Pi) car (Plate Dia. 24	ried out at }		
		C 1 C (0.50) C 48_8536							
	British Geological Survey		Britist		Survey		British Geologica		
	End Of Trial Pit				Plate Loading 1.5m below GL.	Test (No P2) car (Plate Dia. 24)	ried out at		
h Geolog	c I Survey	Britisk Geologica	Survey			British Geolo	gical Survey		
i.			1						
	British Geological Survey		Britist	i Geological	Survey		British Geologica		
•									
0 0:	P Piston Si B Types: J Jar C Disturbed T Thin Wall k Isturbed I No Recovery of	PT SPT Value			1. Log of pit	General Remarks : 1. Log of pit sunk to carry out Plate Loading Tests. 2. No water entries Bhoted Mogical Survey			
Equip:	ment and Methods: Mechanical Digger fitted with a i.	Dm bucket.			Scale : 3m/Sheet	Sheet No. 1 Depth 0	Of 1. to 3 metres.		
					Logged By : K McElmeel	Appendix :	Figure No. :		



British Geological Survey	BGS ID: 718715 : BGS Reference: TR36NW114 British National Grid (27700) : 634360,166930 Report an issue with this borehole
	Page 1 of 1 V Next > >>

LOC Proj	ation : RAF MANSTO ect : Monopulse SSR	ЛГ	eological Sc	пvеу		Trial F Dates	Pit No.: TP : 27	2 /2/91	
Clien Repor	t : PSA Services t No. : G/0731				Dimensions : Ground Level :		n above O	0	
Red.	Description		Samples Taken	In-Situ Legend Tests			Remarks		
	Turf over dark brown very sandy CLAY with a few scattered pebbles. [Topsoil]	0.00		British Ge		/ey		Br	ritish Geolog
	Firm brown very sandy CLAY with a little fine to coarse sub rounded flint gravel.	- (0.BO)							
ological (		British G	ological Su	vey	1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1		British Geolo	gical Survey	1
	Fire brown sandy very gravelly CLAY, gravel comprises fine to coarse sub rounded flint with occasional fragments of chalk.								
	British Geological Survey	[ (0.80)		British Ge		ey		Br	ritish Geolog
: ological (	Yellowish white heavily iron istained in places structureless remoulded CHALK with occasional lumps of intact chalk. (Grade V)	1.70 (0.50) British Ge	ogical St	intey			British Geolo	ogical Survey	v
	Creamy white rubbly lightly weathered CHALX with closely spaced bedding and jointing, some joints open and lightly iron	[ (0.20)	- - 8 853' 	7!					
	stained. Iscade IV to III End of Trial Pit				1.	Plate Loading 2.4m below GL	Plate Dia.	24")	out at
	Britlish Geological Survey	an e ca a ch	للتعييات	British Ge	ological Surv	éy		Br	ritish Geolog
Uogici)/ D Di	W Water II P Piston Si I Typos: J Jar C Idisturbed T Thin Wall k Isturbed X No Aecovery p Ik Disturbed a	Tast cmeter ent X		General Remark 1. Log of pit Loading Test. 2. No water of	sunk to carry				
Equips	ment and Methods: Mechanical Olgger fitted with a i.	Om bucke	t.			Scale : 3m/Sheet	Sheet No. Depth	1 Of 1 0 to 3	1. 3 metres
						Logged By : K McElmeel	Appendix :	Fig	ure No.





## Appendix 10.1 Appendix F

Date: 10/08/16 Our Ref: WK/201616961



Vanessa Dahmoun Amec Foster Wheeler Floor 4 60 London Wall London EC2M 5TQ

Dear Vanessa,

## RE: Request for Information RE: Manston Airport, Manston Road, Ramsgate, Kent. CT12 5BL

Thank you for your letter and payment received by this department. Please find attached a receipt for your records. I refer to your request for information on contaminated land held by this Office. This department does not hold information on historic MOD remediation of the former Kent International Airport site.

Under Part IIA of the Environmental Protection Act 1990, Local Authorities have the responsibility to identify contaminated land and initiate enforcement / remedial measures where necessary. Officers are currently prioritising sites for further investigation using historical land use information, geological and hydrogeological information and current land use data.

I would emphasise that any information provided by Thanet District Council does not act as a guarantee against the Authority taking further action in respect of land contamination at the above, in the future. This Authority does not have a published Contaminated Land Register.

Having researched our records and additional data in the vicinity of your site using our in-house mapping database (see appendices attached), I am able to provide the following information in answer to your enquiry. To the best of our knowledge:

- 1. The above site overlies the former Kent International Airport which has former uses as an RAF base and commercial airport (with underground fuel storage facilities). Given the history of the site and on-site presence of USTs, there exists the potential for contamination of the ground from leaks or spills of fuel/oil/hydrocarbons/etc..., ACM's, UXO's from WWII activities and a variety of products used in the running and maintenance of commercial and military airfields and aircraft.
- The site also lies within 250m of various potentially contaminated features, including: Former Fuel Depot, Cemetery, Hospital, Laundry, Military Land, Petroleum Tanks, Quarry, Road Haulage, Filled Ground, Brick Works, Refuse Disposal and PFS. <u>Please note, due to the size of</u> the application site three separate spatial analysis reports have been compiled covering the full site perimeter.
- 3. Based on the information currently held regarding the contamination risk at the above, this department is not intending to take action under Part IIA of the EPA 1990. However, should further information come to light regarding potential contamination at the above in the future, this department would re-evaluate any potential risk to human health and the environment, including controlled waters at this time.

Environmental Health Morgan Sproates Environmental Protection Manager

Contact Officer: Morgan Sproates Direct Dial: 01843 577081 Thanet District Council PO Box 9 Cecil Street Margate Kent CT9 1XZ

01843 577000 www.thanet.gov.uk Given the former military/commercial/industrial uses of the application site and its location overlying Groundwater Source Protection Zones 1, 2 & 3, if redevelopment or a change of use is proposed, the developer would be required as a condition of Planning to investigate whether any land contamination exists and, if necessary, devise a strategy to deal with it.

- 4. Please find regulatory processes (Part B list) attached.
- 5. Please see Jacobs Phase 1 & 2 report submitted in connection with the 2009 KIA radar mast application F/TH/09/0637 at:

https://planning.thanet.gov.uk/onlineapplications/applicationDetails.do?activeTab=documents&keyVal=ZZZZMWQEBJ103

- 6. Please contact the Planning Department or visit: www.ukplanning.com
- 7. Please find attached.

If you wish to research this matter further, the following additional sources of information may be useful: Environment Agency website, old Ordnance Survey maps, trade directories and local archives and histories. Further information on potential petrol tanks of concern in the area can be obtained from the Petroleum Officer at Kent County Council, Trading Standards.

If you have any queries or require any further information please do not hesitate to contact me.

Yours Sincerely,

Morgan Sproates Environmental Protection Manager

Environmental Health Morgan Sproates Environmental Protection Manager

Contact Officer: Morgan Sproates Direct Dial: 01843 577081 Thanet District Council PO Box 9 Cecil Street Margate Kent CT9 1XZ

01843 577000 www.thanet.gov.uk

1-10/11	19-06/07	PPC010	16-06/07	23-06/07	18-06/07	21-06/07	24-06/07	Reference
Port Ramsgate	Manston Park Columbus Avenue Manston Ramsgate	424 Margate Road Ramsgate CT12 6SJ	71 Monkton Street Monkton Kent CT12 4JF	Pysons Road Broadstairs Kent. CT10 2LE	Patricia Way Pysons Road Broadstairs Kent CT10 2XZ	Manston Road Margate Kent CT9 4LX	Manston Road Margate, Kent	Site Address
TR379631	631391 166794	Mobile	628946 165041	637613 167231	637422 167275	635129 168924	635305 169225	Grid Ref
Bretts	Cummins	Groundworks Solutions	DDS	Fujifilm	Blaze Neon	Cemex	Thanet Crematorium	Operator
1.6.10	19.12.00	6.5.16	28.5.97	15.8.96	15.1.93	26.3.92	2.8.91	Date Applied
Section 3.1	Section 6.5	Section 3.4	Section 3.4	Section 6.5	Section 6.5	Section 3.1	Section 5.1	Reg Section Number
PG3/1	PG 6/23	PG3/16	PG 3/16	PG 6/11	PG 6/23	PG 3/1	PG 5/2	PGN Code
Cement & Lime	Process	Crushing	Concrete Crushing	Manutacture of Printing Ink	Process	Lime	Incinerator	Process Description

List of Installations

PB11a

07-05/06	11-05/06	15-05/06	PC008[i1]	13-05/06	14-05/06	05-05/06	12-05/06	09-05/06	04-05/06
475 Margate Rd, Westwood Broadstairs	233 – 235 Canterbury Road, Garlinge Kent	Sandwich Road Cliffsend Ramsgate CT12 5JB	425 Margate Road Westwood Broadstairs, Kent	Broadway Garage Broadstairs Kent CT10 2AY	36-40 High Street St Lawrence Ramsgate Kent. CT11 0QW	361 Canterbury Road Birchington Kent CT7 9TZ	155 Hereson Road Ramsgate Kent CT11 7EL	Canterbury Road East Ramsgate Kent. CT11 OLB	292 Northdown Road Cliftonville, Margate Kent CT9 2PT
636587 167695	633420 169841	634538 163812	636506 167707	638979 168016	637051 165258	629763 168462	638777 165964	636026 165012	636800 170756
Tesco	BP	Pegwell	J Sainsbury PLC	J C Morrison	J C Morrison	Shell	Murco	Shell	Shell
14.9.01	20.3.00	12.1.00	10.7.14	16.2.99	16.2.99	31.12.98	10.12.98	11.11.98	19.5.97
Section 1.4	Section 1.4	Section 1.4	Section 1.4	Section 1.4	Section 1.4	Section 1.4	Section 1.4	Section 1.4	Section 1.4
PG1/14	PG 1/14	PG 1/14	PG 1/14	PG 1/14	PG 1/14	PG 1/14	PG 1/14	PG 1/14	PG 1/14
Vapour Recovery	Vapour Recovery	Vapour Recovery	Vapour Recovery	Vapour Recovery	Vapour Recovery	Vapour Recovery	Vapour Recovery	Vapour Recovery	Vapour Recovery

PB11a

		Section /	BO INC	Alibabas	639325 167913	138 High Street Broadstairs CT10 1JB	01-08/09
Dry Cleaners	פרוא הם	Cratics 7	-		170101	Broadstairs CTTU TJL	
	FG 0/40	Section /	70 Inf	Silvesters	639502	61 High Street	10-07/08
Dry Cleaners	2012 00	2		Cicarioro	104771	Ramsgate CTTT YER	0000
	FG 0/40	Section /	Jul 07	Paris Dry	638073	74 Queen Street	09-07/08
Dry Cleaners	21/2 00	-			103773	Birchington C1 / BIRChington	
	FG 0/40	Section /	701UL	Jons Dry Cleaners	630066	58 Station road	07-07/08
Dry Cleaners	DC GIAG	0.11-1			10.00	Ivial yale of a of w	
	FG 0/40	Section /	Jul 07	Fox Dry Cleaners	637238 170703	374 Northdown Road	06-07/08
Inry Cleaners	DC AIAA	0			- 000	Inalgate of a rec	
				Michaels	170901	Marnate CT9 1EG	05-07/08
	PG 0/40	Section /	Jul 07	Mark	635417	5 New Street	
					169991	Westgate CT8 8NR	04-07/00
IDIY CIEdileis	PG 0/40	Section /	Jul 07	Clothescare	632296	4 Cuthbert Road	
Dry Cleanere					167106	Ramsgate CT12 6RR	03-07/08
	PG 0/40	Section /	Jul 07	K Laundry	637011	Northwood Road	
	1					Kent CT!2 4AU	
Necovery				Minster	165640	Minster	01-05/06

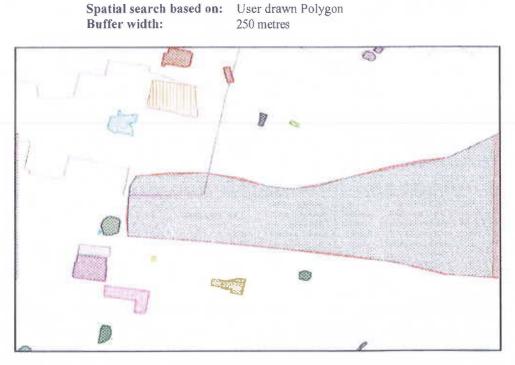
					The second		
	Manston Rd	636218	Tesco	16.06.03	16.06.03 Section 1.4	PG 1/14	Vapour Recoverv
01-05/06	Ramsgate	165608					
	Kent CT12 6NT					DC 1/1/	Vanour
	Tothill Street	631162	Co-Op	G0/7/62	29/7/05 Section 1.4		Recovery
01-05/06	6 Minster	165640	Minster				
	Kent CT!2 4AU						
		and the second sec					

PB11a



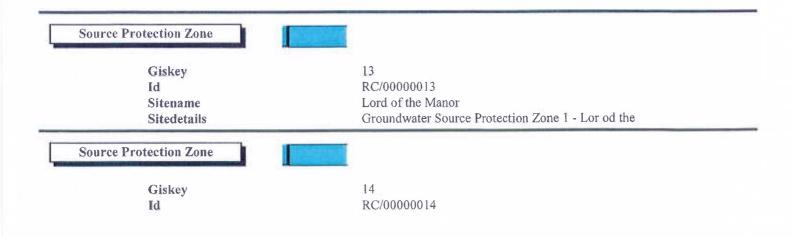
# MVM Contaminated Land - Spatial Analysis

18 November 2015



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Sitename Sitedetails	Lord of the Manor Groundwater Source Protection Zone 2 - Lord of the
Quarry	
Giskey Id Sitename Ownername Sitedetails Actnotes Classid Source_Path_Receptor Significant_Harm Registered Special_Status Sprnotes	17 CL/00000017 Initially Used as a Quarry. (1877,1898) Initially Used as a Quarry. (1877,1898) (s103100045 C009 No No No No No
Source Protection Zone	
Giskey Id Sitename Sitedetails	20 RC/0000020
Source Protection Zone	
Giskey Id Sitename Sitedetails	21 RC/0000021 Thanet SPZ
Quarry	
Giskey Id Sitename Ownername Sitedetails Actnotes Classid Source_Path_Receptor Significant_Harm Registered Special_Status Sprnotes	54 CL/00000054 Initially used as a Quarry and later filled with unknov Initially used as a Quarry and later filled with unknov C009 No No No No
Hospital	
Giskey Id Sitename Ownername Sitedetails Actnotes Classid Source_Path_Receptor Significant_Harm Registered Special_Status Sprnotes	102 CL/0000102 Fever Hospital (1898) Fever Hospital (1898) (s168100007308) C006 No No No No

	102
Giskey	193
Id	CL/00000193
Sitename	Minster Laundry (Tanks) (1908, 1938, 1961)
Ownername Sitedetails	Minster Laundry (Tanks) (1908,1938,1961) (s16710
Actnotes	Willister Laundry (Talks) (1906,1996,1991) (310/10
Classid	C016
Source_Path_Receptor	No
Significant_Harm	No
Registered	No
Special_Status	No
Sprnotes	
Road Haulage	
Giskey	262
Id	CL/00000262
Sitename	Road Haulage
Ownername	<u> </u>
Sitedetails	Road Haulage (1976) (\$155100019252)
Actnotes	
Classid	C039
Source_Path_Receptor	No
Significant_Harm	No
Registered Special_Status	No No
Sprnotes	140
Cemetery	
Giskey	263 CL/00000263
ld Sitename	CE/00000203 Cemetary
Ownername	Centerary
Sitedetails	Cemetary (1908,1938,1961,1976) (s168100007303)
Actnotes	
Classid	C010
Source_Path_Receptor	No
Significant_Harm	No
Registered	No
Special_Status Sprnotes	No
Vehicle Repair	
Giskey	264
Id	CL/00000264
Sitename	Motor Vehicle - Repair, Maintenance
Ownername	
Sitedetails	Motor Vehicle - Repair, Maintenance (1976) (\$1191)
Actnotes	
Classid	C040
Source_Path_Receptor	No
Significant_Harm	No
Registered	No
Special_Status	No
Sprnotes	

Giskey	385
Id	CL/00000385
Sitename	Great West Autos Ltd
Ownername	
Sitedetails	Former Highway Depot. TS Ref PET482. 1 Tank. Fi
Actnotes	
Classid	C041
Source_Path_Receptor	No
Significant_Harm	No
Registered	No
Special_Status	No
Sprnotes	
Petrol Tank License (Expired)	
Giskey	389
Id	CL/0000389
Sitename	Cleve Court Farm
Ownername	
Sitedetails	L.S. Sayer & Son. TS Ref. E115. 1 x 500g. Installed
Actnotes	
Classid	C041
Source_Path_Receptor	No
Significant_Harm	No
Registered	No
Special_Status	No
Sprnotes	
Petroleum Tank (Not PFS)	
Giskey	482
Id	
	CL/00000482
Sitename	
Sitename Ownername	CL/00000482 Wilson & Wilson Ltd
Sitename Ownername Sitedetails	CL/00000482
Sitename Ownername Sitedetails Actnotes	CL/00000482 Wilson & Wilson Ltd 1 x 1000g. installed 1951. Removed from site to Ric
Sitename Ownername Sitedetails Actnotes Classid	CL/00000482 Wilson & Wilson Ltd 1 x 1000g. installed 1951. Removed from site to Ric C051
Sitename Ownername Sitedetails Actnotes Classid Source_Path_Receptor	CL/00000482 Wilson & Wilson Ltd 1 x 1000g. installed 1951. Removed from site to Ric C051 No
Sitename Ownername Sitedetails Actnotes Classid Source_Path_Receptor Significant_Harm	CL/00000482 Wilson & Wilson Ltd 1 x 1000g. installed 1951. Removed from site to Ric C051 No No
Sitename Ownername Sitedetails Actnotes Classid Source_Path_Receptor Significant_Harm Registered	CL/00000482 Wilson & Wilson Ltd 1 x 1000g. installed 1951. Removed from site to Ric C051 No No No
Sitename Ownername Sitedetails Actnotes Classid Source_Path_Receptor Significant_Harm	CL/00000482 Wilson & Wilson Ltd 1 x 1000g. installed 1951. Removed from site to Ric C051 No No
Sitename Ownername Sitedetails Actnotes Classid Source_Path_Receptor Significant_Harm Registered Special_Status	CL/00000482 Wilson & Wilson Ltd 1 x 1000g. installed 1951. Removed from site to Ric C051 No No No
Sitename Ownername Sitedetails Actnotes Classid Source_Path_Receptor Significant_Harm Registered Special_Status Sprnotes	CL/00000482 Wilson & Wilson Ltd 1 x 1000g. installed 1951. Removed from site to Ric C051 No No No No
Sitename Ownername Sitedetails Actnotes Classid Source_Path_Receptor Significant_Harm Registered Special_Status Sprnotes Military Use	CL/00000482 Wilson & Wilson Ltd 1 x 1000g. installed 1951. Removed from site to Ric C051 No No No No S74
Sitename Ownername Sitedetails Actnotes Classid Source_Path_Receptor Significant_Harm Registered Special_Status Sprnotes Military Use	CL/00000482 Wilson & Wilson Ltd 1 x 1000g. installed 1951. Removed from site to Ric C051 No No No No S74 CL/00000574
Sitename Ownername Sitedetails Actnotes Classid Source_Path_Receptor Significant_Harm Registered Special_Status Sprnotes Military Use	CL/00000482 Wilson & Wilson Ltd 1 x 1000g. installed 1951. Removed from site to Ric C051 No No No No S74 CL/00000574 Manston Airport
Sitename Ownername Sitedetails Actnotes Classid Source_Path_Receptor Significant_Harm Registered Special_Status Sprnotes Military Use Giskey Id Sitename Ownername	CL/00000482 Wilson & Wilson Ltd 1 x 1000g. installed 1951. Removed from site to Ric C051 No No No No No S74 CL/00000574 Manston Airport Alistair Robertson
Sitename Ownername Sitedetails Actnotes Classid Source_Path_Receptor Significant_Harm Registered Special_Status Sprnotes Military Use	CL/00000482 Wilson & Wilson Ltd 1 x 1000g. installed 1951. Removed from site to Ric C051 No No No No S74 CL/00000574 Manston Airport
Sitename Ownername Sitedetails Actnotes Classid Source_Path_Receptor Significant_Harm Registered Special_Status Sprnotes Military Use Giskey Id Sitename Ownername Sitedetails Actnotes	CL/00000482 Wilson & Wilson Ltd 1 x 1000g. installed 1951. Removed from site to Ric. C051 No No No No S74 CL/00000574 Manston Airport Alistair Robertson Former RAF Base. Currently Commercial Airport.
Sitename Ownername Sitedetails Actnotes Classid Source_Path_Receptor Significant_Harm Registered Special_Status Sprnotes Military Use Giskey Id Sitename Ownername Sitedetails Actnotes Classid	CL/00000482 Wilson & Wilson Ltd 1 x 1000g. installed 1951. Removed from site to Ric C051 No No No No No S74 CL/00000574 Manston Airport Alistair Robertson Former RAF Base. Currently Commercial Airport. C001
Sitename Ownername Sitedetails Actnotes Classid Source_Path_Receptor Significant_Harm Registered Special_Status Sprnotes Military Use Giskey Id Sitename Ownername Sitedetails Actnotes Classid Source_Path_Receptor	CL/00000482 Wilson & Wilson Ltd 1 x 1000g. installed 1951. Removed from site to Ric. C051 No No No No No S74 CL/00000574 Manston Airport Alistair Robertson Former RAF Base. Currently Commercial Airport. C001 No
Sitename Ownername Sitedetails Actnotes Classid Source_Path_Receptor Significant_Harm Registered Special_Status Sprnotes Military Use Giskey Id Sitename Ownername Sitedetails Actnotes Classid Source_Path_Receptor Significant_Harm	CL/00000482 Wilson & Wilson Ltd 1 x 1000g. installed 1951. Removed from site to Ric C051 No No No No S74 CL/00000574 Manston Airport Alistair Robertson Former RAF Base. Currently Commercial Airport. C001 No No
Sitename Ownername Sitedetails Actnotes Classid Source_Path_Receptor Significant_Harm Registered Special_Status Sprnotes Military Use Giskey Id Sitename Ownername Sitedetails Actnotes Classid Source_Path_Receptor Significant_Harm Registered	CL/00000482 Wilson & Wilson Ltd 1 x 1000g. installed 1951. Removed from site to Ric C051 No No No No S74 CL/00000574 Manston Airport Alistair Robertson Former RAF Base. Currently Commercial Airport. C001 No No No No No
Sitename Ownername Sitedetails Actnotes Classid Source_Path_Receptor Significant_Harm Registered Special_Status Sprnotes Military Use Giskey Id Sitename Ownername Sitedetails Actnotes Classid Source_Path_Receptor Significant_Harm	CL/00000482 Wilson & Wilson Ltd 1 x 1000g. installed 1951. Removed from site to Ric C051 No No No No S74 CL/00000574 Manston Airport Alistair Robertson Former RAF Base. Currently Commercial Airport. C001 No No
Sitename Ownername Sitedetails Actnotes Classid Source_Path_Receptor Significant_Harm Registered Special_Status Sprnotes Military Use Giskey Id Sitename Ownername Sitedetails Actnotes Classid Source_Path_Receptor Significant_Harm Registered Special_Status	CL/00000482 Wilson & Wilson Ltd 1 x 1000g. installed 1951. Removed from site to Ric C051 No No No No S74 CL/00000574 Manston Airport Alistair Robertson Former RAF Base. Currently Commercial Airport. C001 No No No No No
Sitename Ownername Sitedetails Actnotes Classid Source_Path_Receptor Significant_Harm Registered Special_Status Sprnotes Military Use Giskey Id Sitename Ownername Sitedetails Actnotes Classid Source_Path_Receptor Significant_Harm Registered Special_Status Sprnotes	CL/00000482 Wilson & Wilson Ltd 1 x 1000g. installed 1951. Removed from site to Ric C051 No No No No S74 CL/00000574 Manston Airport Alistair Robertson Former RAF Base. Currently Commercial Airport. C001 No No No No No
Sitename Ownername Sitedetails Actnotes Classid Source_Path_Receptor Significant_Harm Registered Special_Status Sprnotes Military Use Giskey Id Sitename Ownername Sitedetails Actnotes Classid Source_Path_Receptor Significant_Harm Registered Special_Status Sprnotes Bulk Fuel Storage	CL/00000482 Wilson & Wilson Ltd 1 x 1000g. installed 1951. Removed from site to Ric. C051 No No No No S74 CL/00000574 Manston Airport Alistair Robertson Former RAF Base. Currently Commercial Airport. C001 No No No No No No
Sitename Ownername Sitedetails Actnotes Classid Source_Path_Receptor Significant_Harm Registered Special_Status Sprnotes Military Use Giskey Id Sitename Ownername Sitedetails Actnotes Classid Source_Path_Receptor Significant_Harm Registered Special_Status Sprnotes	CL/00000482 Wilson & Wilson Ltd 1 x 1000g. installed 1951. Removed from site to Ric C051 No No No No S74 CL/00000574 Manston Airport Alistair Robertson Former RAF Base. Currently Commercial Airport. C001 No No No No No

Ownername		
Sitedetails		
Actnotes		
Classid	C053	
Source_Path_Receptor	No	
Significant_Harm	No	
Registered	No	
Special Status	No	
Sprnotes		

### Road Haulage

I

Giskey
Id
Sitename
Ownername
Sitedetails
Actnotes
Classid
Source_Path_Receptor
Significant_Harm
Registered
Special_Status
Sprnotes

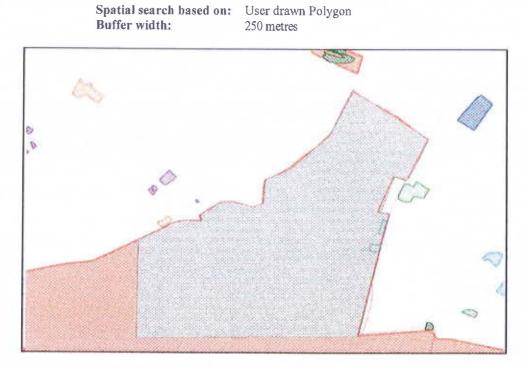
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689 CL/00000689 Manston Express Transport I File - 01843822822

C039 No No No

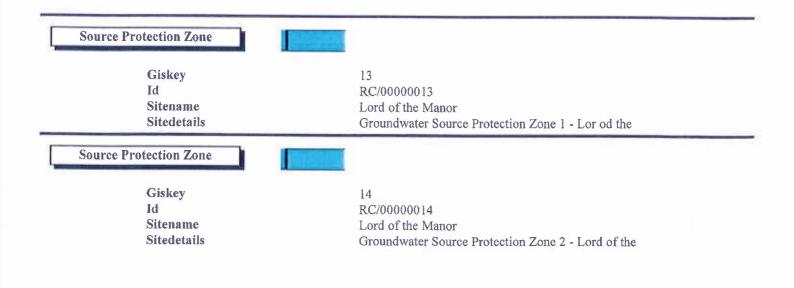
# MVM Contaminated Land - Spatial Analysis

18 November 2015



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	ource Protection Zone	
	Giskey	21
	Id	RC/0000021
	Sitename	Thanet SPZ
_	Sitedetails	
The local division of	Filled Ground	
	Giskey	131
	Id	CL/00000131
	Sitename	RAF
	Ownername	
	Sitedetails	Unknown Filled Ground (1938) (s561100027662)
	Actnotes Classid	2011
		C011
	Source_Path_Receptor	No
	Significant_Harm Registered	No No
	Special_Status	No
	Sprnotes	110
	Filled Ground	
	Giskey	132
	Id	CL/00000132
	Sitename	RAF
	Ownername	
	Sitedetails	Unknown Filled Ground (1938) (s561100027663)
	Actnotes	
	Classid	COIL
	Source_Path_Receptor	No
	Significant_Harm	No
	Registered	No
	Special_Status	No
	Sprnotes	
		 XXXX
	Sprnotes Quarry	133
[	Sprnotes	133 CL/00000133
	Sprnotes Quarry Giskey Id	CL/00000133
[	Sprnotes Quarry Giskey	
[	Sprnotes Quarry Giskey Id Sitename Ownername Sitedetails	CL/00000133
	Sprnotes Quarry Giskey Id Sitename Ownername Sitedetails Actnotes	CL/00000133 The Dump Quarrying of Sand & Clay (1938) (s103100048566)
	Sprnotes Quarry Giskey Id Sitename Ownername Sitedetails Actnotes Classid	CL/00000133 The Dump Quarrying of Sand & Clay (1938) (s103100048566) C009
	Sprnotes Quarry Giskey Id Sitename Ownername Sitedetails Actnotes Classid Source_Path_Receptor	CL/00000133 The Dump Quarrying of Sand & Clay (1938) (s103100048566) C009 No
	Sprnotes Quarry Giskey Id Sitename Ownername Sitedetails Actnotes Classid Source_Path_Receptor Significant_Harm	CL/00000133 The Dump Quarrying of Sand & Clay (1938) (s103100048566) C009 No No
	Sprnotes Quarry Giskey Id Sitename Ownername Sitedetails Actnotes Classid Source_Path_Receptor Significant_Harm Registered	CL/00000133 The Dump Quarrying of Sand & Clay (1938) (\$103100048566) C009 No No No
	Sprnotes Quarry Giskey Id Sitename Ownername Sitedetails Actnotes Classid Source_Path_Receptor Significant_Harm	CL/00000133 The Dump Quarrying of Sand & Clay (1938) (s103100048566) C009 No No
	Quarry         Giskey         Id         Sitename         Ownername         Sitedetails         Actnotes         Classid         Source_Path_Receptor         Significant_Harm         Registered         Special_Status	CL/00000133 The Dump Quarrying of Sand & Clay (1938) (\$103100048566) C009 No No No
	Quarry         Giskey         Id         Sitename         Ownername         Sitedetails         Actnotes         Classid         Source_Path_Receptor         Significant_Harm         Registered         Special_Status         Sprnotes	CL/00000133 The Dump Quarrying of Sand & Clay (1938) (s103100048566) C009 No No No No No
	Quarry         Giskey         Id         Sitename         Ownername         Sitedetails         Actnotes         Classid         Source_Path_Receptor         Significant_Harm         Registered         Special_Status         Sprnotes         Quarry         Giskey	CL/00000133 The Dump Quarrying of Sand & Clay (1938) (s103100048566) C009 No No No No No No No
	Quarry         Quarry         Giskey         Id         Sitename         Ownername         Sitedetails         Actnotes         Classid         Source_Path_Receptor         Significant_Harm         Registered         Special_Status         Sprnotes         Quarry         Giskey         Id	CL/00000133 The Dump Quarrying of Sand & Clay (1938) (s103100048566) C009 No No No No No No No No No
	Quarry         Giskey         Id         Sitename         Ownername         Sitedetails         Actnotes         Classid         Source_Path_Receptor         Significant_Harm         Registered         Special_Status         Sprnotes         Quarry         Giskey	CL/00000133 The Dump Quarrying of Sand & Clay (1938) (s103100048566) C009 No No No No No No No
	Quarry         Giskey         Id         Sitename         Ownername         Sitedetails         Actnotes         Classid         Source_Path_Receptor         Significant_Harm         Registered         Special_Status         Sprnotes         Quarry         Giskey         Id         Sitename	CL/00000133 The Dump Quarrying of Sand & Clay (1938) (s103100048566) C009 No No No No No No No No No
	Sprnotes         Quarry         Giskey         Id         Sitename         Ownername         Sitedetails         Actnotes         Classid         Source_Path_Receptor         Significant_Harm         Registered         Special_Status         Sprnotes         Quarry         Giskey         Id         Sitename         Ownername         Sitedetails         Actnotes	CL/0000133 The Dump Quarrying of Sand & Clay (1938) (s103100048566) C009 No No No No No 2009 No No 2009 No No No 2009 No No No No No No No No No No No No No
	Sprnotes         Quarry         Giskey         Id         Sitename         Ownername         Sitedetails         Actnotes         Classid         Source_Path_Receptor         Significant_Harm         Registered         Special_Status         Sprnotes         Quarry         Giskey         Id         Sitename         Ownername         Sitename         Ownername         Sitedetails	CL/00000133 The Dump Quarrying of Sand & Clay (1938) (s103100048566) C009 No No No No No No No No No No

	Significant_Harm Registered	No No	
	Special_Status Sprnotes	No	
	Filled Ground		
	Giskey	191	
	Id	CL/00000191	
	Sitename	Unknown Filled Ground (1908)	
	Ownername Sitedetails Actnotes	Unknown Filled Ground (1908) (\$561100027660)	
	Classid	C011	
	Source Path Receptor	No	
	Significant_Harm	No	
	Registered	No	
	Special_Status	No	
	Sprnotes		_
	Filled Ground		
	Giskey	192	
	Id	CL/00000192	
	Sitename	Unknown Filled Ground (1908)	
	Ownername		
	Sitedetails	Unknown Filled Ground (1908) (s561100027661)	
	Actnotes Classid	C011	
	Source_Path_Receptor	No	
	Source_rath_Receptor	NO	
	Significant Horm	No	
	Significant_Harm Registered	No	
	Registered	No	
	Registered Special_Status	No	
	Registered Special_Status Sprnotes Brick Works Giskey	No	
	Registered Special_Status Sprnotes Brick Works Giskey Id	No No 194 CL/00000194	
	Registered Special_Status Sprnotes Brick Works Giskey Id Sitename	No No 194	
	Registered Special_Status Sprnotes Brick Works Giskey Id Sitename Ownername	No No 194 CL/00000194 Brick Works	
	Registered Special_Status Sprnotes Brick Works Giskey Id Sitename Ownername Sitedetails	No No 194 CL/00000194	
	Registered Special_Status Sprnotes Brick Works Giskey Id Sitename Ownername Sitedetails Actnotes	No No 194 CL/00000194 Brick Works Brick Works (1908) (s143100007219)	
	Registered Special_Status Sprnotes Brick Works Giskey Id Sitename Ownername Sitedetails Actnotes Classid	No No 194 CL/00000194 Brick Works Brick Works (1908) (s143100007219) C030	
	Registered Special_Status Sprnotes Brick Works Giskey Id Sitename Ownername Sitedetails Actnotes Classid Source_Path_Receptor	No No 194 CL/00000194 Brick Works Brick Works (1908) (s143100007219) C030 No	
	Registered Special_Status Sprnotes Brick Works Giskey Id Sitename Ownername Sitedetails Actnotes Classid Source_Path_Receptor Significant_Harm	No No 194 CL/00000194 Brick Works Brick Works (1908) (s143100007219) C030 No No	
	Registered Special_Status Sprnotes Brick Works Giskey Id Sitename Ownername Sitedetails Actnotes Classid Source_Path_Receptor Significant_Harm Registered	No No 194 CL/00000194 Brick Works Brick Works (1908) (s143100007219) C030 No No No No	
	Registered Special_Status Sprnotes Brick Works Giskey Id Sitename Ownername Sitedetails Actnotes Classid Source_Path_Receptor Significant_Harm	No No 194 CL/00000194 Brick Works Brick Works (1908) (s143100007219) C030 No No	
Petr	Registered Special_Status Sprnotes Brick Works Giskey Id Sitename Ownername Sitedetails Actnotes Classid Source_Path_Receptor Significant_Harm Registered Special_Status	No No 194 CL/00000194 Brick Works Brick Works (1908) (s143100007219) C030 No No No No No No	
Petr	Registered Special_Status Sprnotes Brick Works Giskey Id Sitename Ownername Sitedetails Actnotes Classid Source_Path_Receptor Significant_Harm Registered Special_Status Sprnotes	No No 194 CL/00000194 Brick Works Brick Works (1908) (s143100007219) C030 No No No No No No	
Petr	Registered Special_Status Sprnotes Brick Works Giskey Id Sitename Ownername Sitedetails Actnotes Classid Source_Path_Receptor Significant_Harm Registered Special_Status Sprnotes ol Tank License (Expired) Giskey Id	No           No           No           194           CL/00000194           Brick Works           Brick Works (1908) (s143100007219)           C030           No	
Petr	Registered Special_Status Sprnotes Brick Works Giskey Id Sitename Ownername Sitedetails Actnotes Classid Source_Path_Receptor Significant_Harm Registered Special_Status Sprnotes ol Tank License (Expired) Giskey Id Sitename	No           No           194           CL/00000194           Brick Works           Brick Works (1908) (s143100007219)           C030           No           No	
Petr	Registered Special_Status Sprnotes Brick Works Giskey Id Sitename Ownername Sitedetails Actnotes Classid Source_Path_Receptor Significant_Harm Registered Special_Status Sprnotes OI Tank License (Expired) Giskey Id Sitename Ownername	No           194           CL/00000194           Brick Works           Brick Works (1908) (s143100007219)           C030           No           No           No           No           No           Sof           CL/00000306           Manston Court Garage	
Petr	Registered Special_Status Sprnotes Brick Works Giskey Id Sitename Ownername Sitedetails Actnotes Classid Source_Path_Receptor Significant_Harm Registered Special_Status Sprnotes ol Tank License (Expired) Giskey Id Sitename Ownername Sitedetails	No           No           No           194           CL/00000194           Brick Works           Brick Works (1908) (s143100007219)           C030           No           S06           CL/000000306	
Petr	Registered Special_Status Sprnotes Brick Works Giskey Id Sitename Ownername Sitedetails Actnotes Classid Source_Path_Receptor Significant_Harm Registered Special_Status Sprnotes ol Tank License (Expired) Giskey Id Sitename Ownername Sitedetails Actnotes	No           194           CL/00000194           Brick Works           Brick Works (1908) (s143100007219)           C030           No           Manston Court Garage, Manston ()	
Petr	Registered Special_Status Sprnotes Brick Works Giskey Id Sitename Ownername Sitedetails Actnotes Classid Source_Path_Receptor Significant_Harm Registered Special_Status Sprnotes ol Tank License (Expired) Giskey Id Sitename Ownername Sitedetails Actnotes Classid	No No No 194 CL/00000194 Brick Works Brick Works (1908) (s143100007219) C030 No No No No No No No No No No No No No	
Petr	Registered Special_Status Sprnotes Brick Works Giskey Id Sitename Ownername Sitedetails Actnotes Classid Source_Path_Receptor Significant_Harm Registered Special_Status Sprnotes ol Tank License (Expired) Giskey Id Sitename Ownername Sitedetails Actnotes Classid Source_Path_Receptor	No No No No Dick Works Brick Works (1908) (s143100007219) C030 No No No No No No No No No No No No No	
Petr	Registered Special_Status Sprnotes Brick Works Giskey Id Sitename Ownername Sitedetails Actnotes Classid Source_Path_Receptor Significant_Harm Registered Special_Status Sprnotes ol Tank License (Expired) Giskey Id Sitename Ownername Sitedetails Actnotes Classid	No No No 194 CL/00000194 Brick Works Brick Works (1908) (s143100007219) C030 No No No No No No No No No No No No No	

**Military Use** 

### .....

Giskey	
Id	
Sitename	
Ownername	
Sitedetails	
Actnotes	
Classid	
Source_Path_Receptor	
Significant_Harm	
Registered	
Special_Status	
Sprnotes	

335 CL/00000335 The Dump See Information provided in support TH/02/0897 and C001 No No

#### Petrol Tank License (Expired)

### 

No No

Giskey	375
Id	CL/00000375
Sitename	London Manston Airport
Ownername	
Sitedetails	Converted to Jet Fuel. TS ref 1076. 2 x 27276 Litres
Actnotes	
Classid	C041
Source_Path_Receptor	No
Significant_Harm	No
Registered	No
Special_Status	No
Sprnotes	

#### Petrol Tank (Safe or Removed)

## 1111113.

Giskey	471
Id	CL/0000471
Sitename	Manston Court Farm
Ownername	
Sitedetails	TS Ref:PET1774. 3x500g, 1 tank installed in 1939,
Actnotes	
Classid	C052
Source_Path_Receptor	No
Significant Harm	No
Registered	No
Special_Status	No
Sprnotes	

#### Military Use

10000

Giskey Id Sitename **Ownername** Sitedetails Actnotes Classid Source\_Path\_Receptor Significant\_Harm Registered Special\_Status Sprnotes

#### 574

No

CL/00000574 Manston Airport Alistair Robertson Former RAF Base. Currently Commercial Airport. C001 No No No

Bulk Fuel Storage	
Giskey	591
Id	CL/00000591
Sitename	Former Fuel Depot
Ownername	
Sitedetails	
Actnotes	
Classid	C053
Source_Path_Receptor	No
Significant_Harm	No
Registered	No
Special_Status	No
Sprnotes	

#### **Refuse Disposal**

# 

Giskey Id Sitename Ownername Sitedetails Actnotes Classid Source\_Path\_Receptor Significant\_Harm Registered Special\_Status Sprnotes 649 CL/00000649 Thanet Waste Management L J Ray - 01843821500 Waste Disposal Services

C029

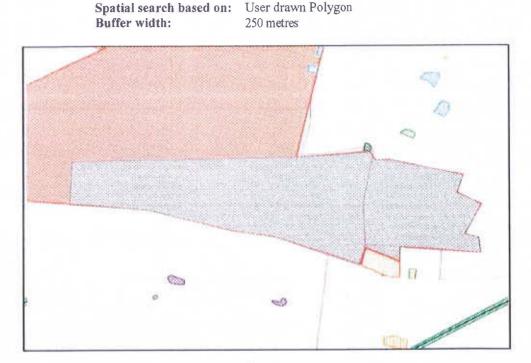
No No

No

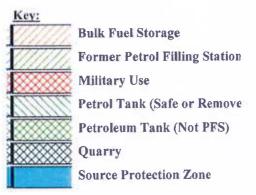
No

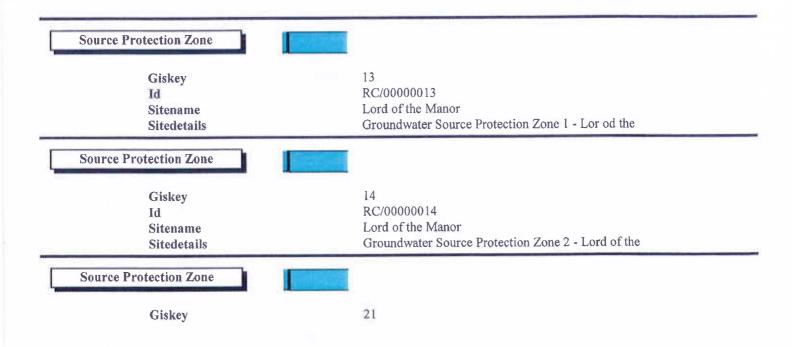
### MVM Contaminated Land - Spatial Analysis

18 November 2015



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Id Sitename Sitedetails	RC/0000021 Thanet SPZ
Quarry	***
Giskey Id Sitename Ownername Sitedetails Actnotes Classid Source_Path_Receptor Significant_Harm Registered Special_Status Sprnotes	144 CL/00000144 Quarrying (1938) Quarrying (1938) (s103100046537) C009 No No No No No
Petrol Tank (Safe or Removed) Giskey Id Sitename Ownername Sitedetails Actnotes Classid	377 CL/00000377 Chapel Farm TS Ref PET 105 TH448. 1137 litres. Cement Slurry C052
Source_Path_Receptor Significant_Harm Registered Special_Status Sprnotes	No No No
Petroleum Tank (Not PFS)	
Giskey Id Sitename Ownername Sitedetails Actnotes Classid Source_Path_Receptor Significant_Harm Registered Special_Status Sprnotes	470 CL/00000470 Kilnwood Homes Ltd 1x500g. Slurry filled in 1997. Verified. Unknown lo C051 No No No No
Bulk Fuel Storage	
Giskey Id Sitename Ownername Sitedetails Actnotes Classid Source_Path_Receptor Significant_Harm Registered Special_Status Sprnotes	568 CL/00000568 Jentex Petroleum Currently and Historically used for fuel storage. C053 No No No No

Military Use	
Giskey	574
Id	CL/0000574
Sitename	Manston Airport
Ownername	Alistair Robertson
Sitedetails	Former RAF Base. Currently Commercial Airport.
Actnotes	
Classid	C001
Source_Path_Receptor	No
Significant_Harm	No
Registered	No
Special_Status	No
Sprnotes	
Former Petrol Filling Station	7777
Giskey	589
Id	CL/00000589
Sitename	Manna Hutte Garage
Ownername	
Sitedetails	
Actnotes	
Classid	C049
Source_Path_Receptor	No
Significant_Harm	No
Registered	No
Special_Status	No
Sprnotes	
Bulk Fuel Storage	
Cicler	652
Giskey Id	CL/00000652
Sitename Ownername	Anthony Jenkins Fuel Oil Ltd A N Jenkins - 01843596431
Sitedetails	Fuel Oil Wholesalers
Actnotes	
Classid	C053
	No
Source_Path_Receptor Significant_Harm	No
	No
Registered	No
Special_Status	
Sprnotes	

