

## **APPENDIX 5**

ARCHAEOLOGICAL MONITORING REPORT  
ON ENVIRONMENTAL TEST PITS  
BARNAGEERAGH, SKERRIES CO. DUBLIN  
15E0548 REPORT  
ARCHAEOLOGY & HERITAGE CONSULTANCY LTD  
AUGUST 2017

ARCHAEOLOGICAL TEST TRENCHING REPORT  
BARNAGEERAGH  
SKERRIES  
CO. DUBLIN (EXTRACT)  
ARCHAEOLOGY & HERITAGE CONSULTANCY LTD.  
APRIL 2005

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**Supplementary archaeological monitoring report  
relating to the proposed development at  
Barnageeragh, Skerries, Co Dublin**

**Environmental test pits**

Planning ref: F16A/0133

License No: 15/E/0548

Prepared by Archaeology and Heritage Consultancy Ltd

for  
**Winsac Ltd**

**August 2017**

# Archaeological monitoring report on environmental test pits Barnageeragh, Skerries Co. Dublin 15E0548

## Summary

*The archaeological monitoring of the excavation of a series of environmental test pits took place on June 2<sup>nd</sup> 2017, due to the presence of the archaeological site DU005:017, a probable prehistoric burial mound.*

*The testing consisted of the machine excavation of a pit 1.5 m wide and 3 m long. The western edge of the pit revealed the in situ presence of probable mound material and possible kerbing associated with the burial mound. Immediately to the east of these kerb stones, the ground was significantly disturbed by the digging, in the relatively recent past, of a sand/gravel quarry, which had been backfilled with modern fill.*

*The results of this small test pit, revealed that the burial mound DU005:017, extends much further to the east and north than had been originally thought, and that the mound may originally have been defined, at least on this north east side, by a line of formal kerb stones.*

## INTRODUCTION:

Following some preliminary ground works to the east of the Sector 4 lands, it became apparent that this area had been subjected to significant quarrying and subsequent back-filling in the recent past. In order to fully investigate the extent of this 'disturbed ground', Mulroy Environmental were contracted to undertake a series of investigative works to ascertain the nature and extent of both the disturbance and the associated fill material.

## MONITORING:

A total of 48 test pit excavations were undertaken across the site (Fig 1), the vast majority of which were located to the east of the archaeological site DU005:017. Two, METP30 and METP33, were excavated to the west and these revealed natural undisturbed subsoil, beneath some 400 mm plough soil.

Nothing of archaeological was recorded in these two trial pits.

One trial pit, MEST1 was opened up across the line of the gravel covered access farm track, which ran round the east side of the archaeological mound. This track was not thought to be an original agricultural feature, and was likely to have been laid down in the course of the pipeline works undertaken by Fingal Co Co in 2004.

The location of this test pit was positioned specifically for archaeological reasons to address the extent to which the disturbed ground associated with the quarrying extended to the west, possibly encroaching on the burial mound DU005:017.

Excavation of the west end of the trench uncovered a compact stone and sandy loam soil which sloped quite steeply down to the east (Plate 1). At the base of this slope were uncovered a number of large rounded boulders, apparently forming a line running north-south across the western end of the cutting (Plate 2). The ground immediately to the east of these boulders was clearly disturbed to a depth of at least 2 m, and certainly deeper (Plate 3). The boulders and the associated compact stone and sandy loam soil were both overlain by fill material, which in turn was overlain by a geotextile mat which formed the foundation to the gravel trackway (Plate 4).

## DISCUSSION:

It is clear from the examination of MEST1 that the deposits which formed the west end of the trench were undisturbed. It was not however certain that the slope uncovered, was natural or manmade. The fact that the burial mound DU005:017, was located immediately to the west of the test pit, might suggest that the slope uncovered was that of the burial mound itself, and the line of boulders uncovered at the base of the slope, were possible evidence for formal kerbing around the mound. However, it is also possible that the slope was a product of more recent dumping of soil, with the line of boulders, merely a by product of larger stones naturally accumulating at the base of a slope. Only further investigation can throw light on this.

What can however be said is that the western end of MEST1 represents the western limit of ground disturbance in this area, and with it the very strong likelihood that the burial mound DU005:017, still survives, possibly largely intact.

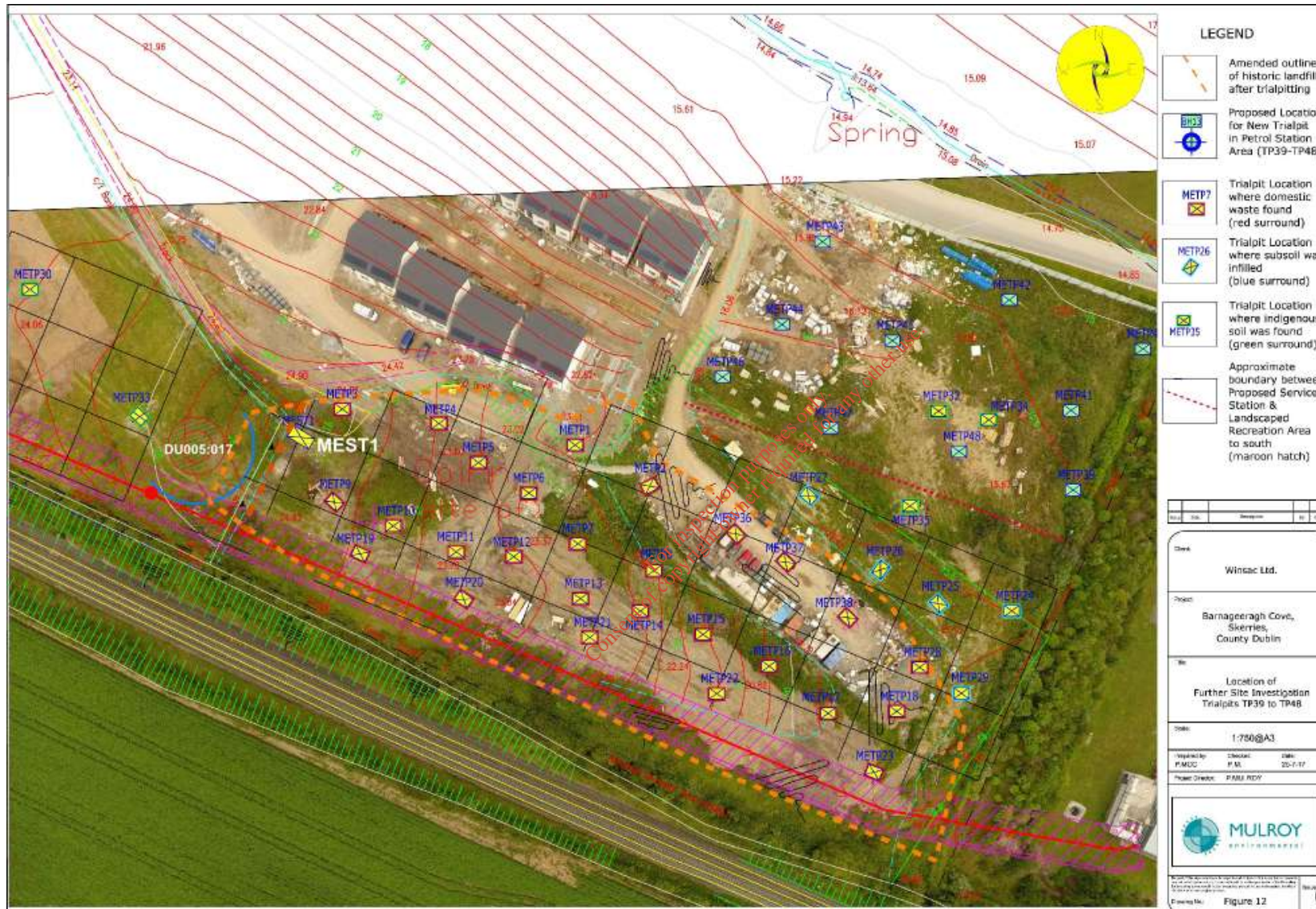


Fig 1. Location of MEST1 in relation to the area of disturbed ground and the burial mound DU005:017



Plate 1. The west end of the trench from the east, showing the possible in situ remains of the burial mound DU005:017 (note the large boulders at the base of the slope)



Plate 2. South facing section showing the line of the possible slope of DU005:017 and the possible line of kerb stones at the base.



Plate 3. South facing section, showing the position of the possible kerb stones, overlain by modern fill material.



Plate 4. South facing section showing the modern fill, overlain by a geotextile membrane in turn overlain by the remains of the gravel track.



Archaeological Test  
Trenching Report  
Barnageeragh,  
Skerries,  
Co. Dublin

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*Report by*  
Patricia Lynch  
& Stephen Doyle

*Client*  
Winsac Limited

April 2005

Trench 8 was located parallel to Trench 6 and perpendicular to Trench 7, was orientated NE-SW and measured 50m in length. The sod measured 14cms in depth and overlay the topsoil that measured 36cms in depth. This in turn overlay a subsoil of mid grey-brown sand and gravel.

No features of archaeological significance were noted along the length of Trench 8.

#### **Trench 9**

0 – 10cm	Sod
10 – 50cm	Topsoil
50cm+	Subsoil

Trench 9 was located perpendicular to Trench 7, was orientated NE-SW and measured 55m in length. The sod measured 10cms in depth and overlay the topsoil that measured 40cms in depth. This in turn overlay a subsoil of mid grey-brown sand and gravel.

No features of archaeological significance were noted along the length of Trench 9.

#### **Trench 10**

0 – 12cm	Sod
12 – 50cm	Topsoil
60cm+	Subsoil

Trench 10 was located parallel to the southern boundary of Field 12 and lane way, was orientated approximately NW-SE and measured 168m in length. The sod measured 12cms in depth and overlay the topsoil that measured 38cm in depth. This in turn overlay a subsoil of mixed mid grey/brown sands and gravels. A flint fragment was recovered from the topsoil upcast at the northern end of the trench. An archaeological feature, **F10A**, was identified at the southern end of the Trench 10. **F10A** is a sub-oval shaped subsoil cut containing a charcoal enriched sandy soil, measuring 40cm x 60cm.

#### **Trench 11**

0 – 10cm	Sod
10 – 45cm	Topsoil
45cms+	Subsoil

Trench 11 was located parallel to the northern boundary of Field 12 which consisted of trees and a stream, and perpendicular to Trench 12. The trench was orientated NW-SE and measured 70m in length. The topsoil and sod measured 45cm in depth and overlay, heavy mid yellow-brown clay/ marl like subsoil.

No features of archaeological significance were noted along the length of Trench 11.

#### **Trench 12**

0 – 10cm	Sod
10 – 40cm	Topsoil
60cm+	Subsoil

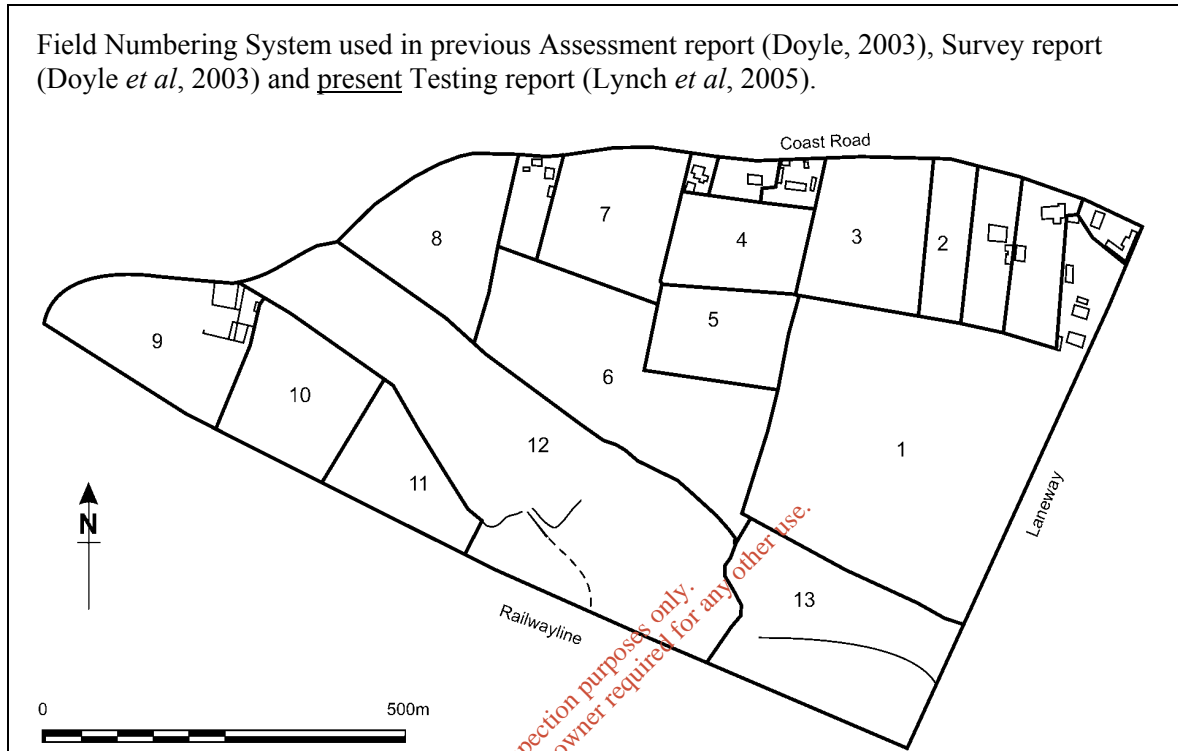
Trench 12 was located perpendicular to Trench 11, was orientated NE-SW and measured 38m in length. The sod measured 10cms in depth and overlay the topsoil that measured 30cms in depth. This in turn overlay a subsoil of mid brown-grey sand and gravel. Six flint fragments were recovered from the topsoil upcast. No features of archaeological significance were noted along the length of Trench 12.

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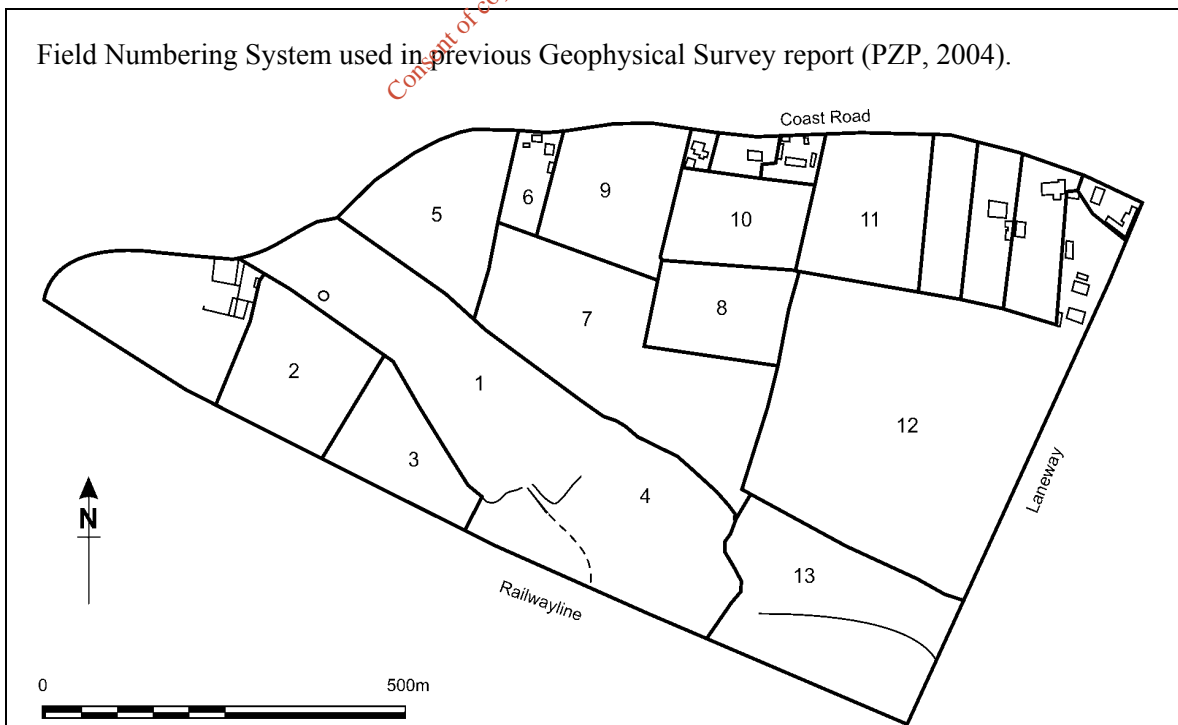
## Appendix 1

N.B. It should be noted that the field numbering system used in Geophysical Survey (PZP, 2004) differs entirely from that used in the two previous Assessment and Survey reports (Doyle, 2000; Doyle *et al*, 2003).

Field Numbering System used in previous Assessment report (Doyle, 2003), Survey report (Doyle *et al*, 2003) and present Testing report (Lynch *et al*, 2005).



Field Numbering System used in previous Geophysical Survey report (PZP, 2004).



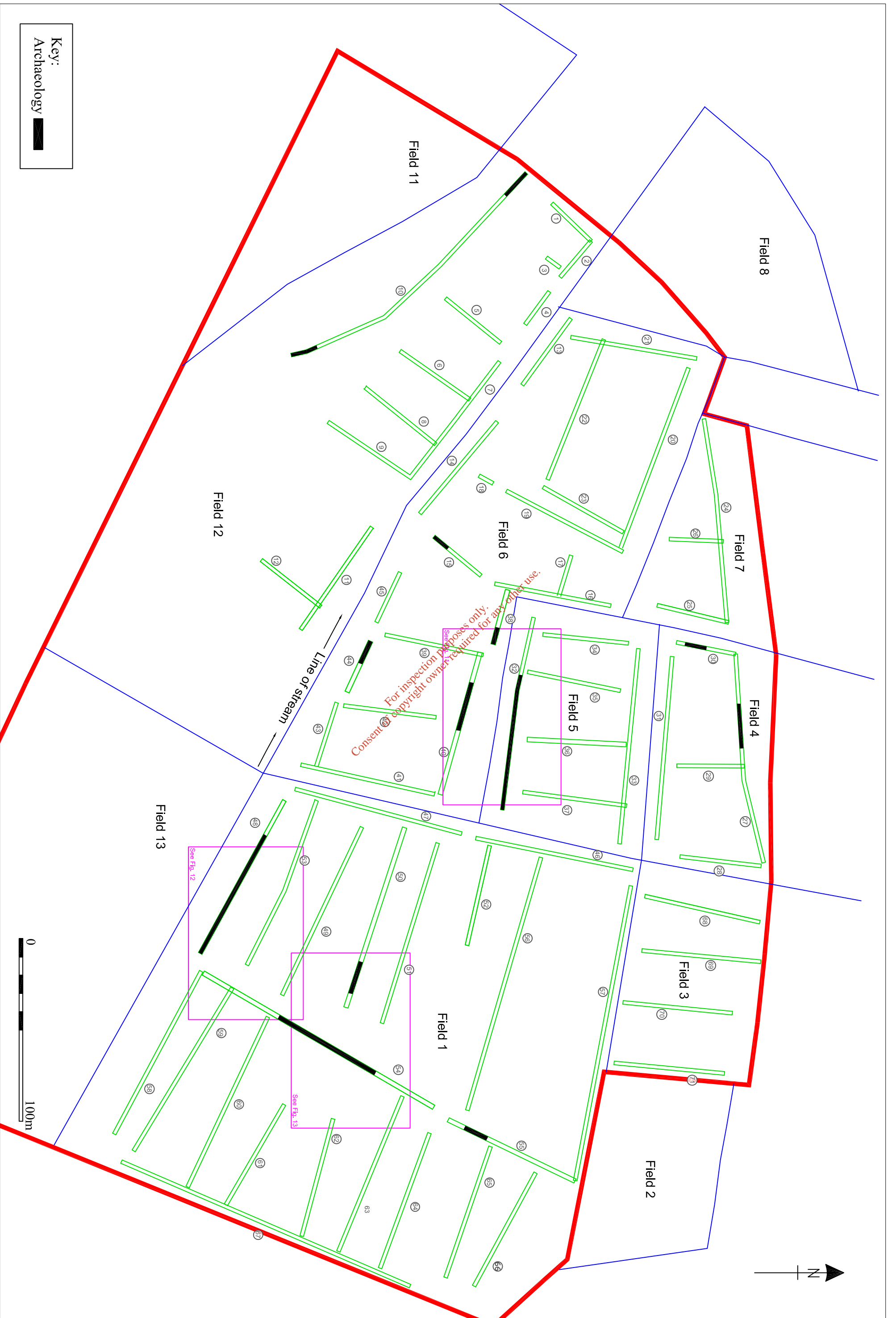


Fig. 9 Plan showing test trench layout, field numbers and field boundaries.



**Plate 40** Field 12a. Trench 11. North-west facing.

## APPENDIX 6

### TRIALPIT LOGS








TP1 – TP50

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TRIALPIT CONSTRUCTION	SAMPLE		SOIL VAPOUR (ppm)	GROUNDWATER	DEPTH (m)	GEOLOGY	TRIALPIT NUMBER: TP01		PAGE 1 OF 1	
	NUMBER	TYPE					EXCAVATION DATE: 02/06/17		METHOD: TRACKED HYMAC	
							CONTRACTOR: Winsac Ltd		TRIALPIT DIMENSION: 2m x 3m	
							LOGGED BY: PMcC		GRID REF.: E323183 N260851	
							CHECKED BY: PM		ELEVATION: 23.11m AOD	
						DESCRIPTION	COMMENTS			
					0			0		
					0.5			0.5		
					1.0	very dark brown sandy SILT/CLAY some gravel & cobbles		1.0		
					1.5	waste included glass bottles, plastic bottles, plastics, cloths/fabrics, timber, red brick & blocks	No evidence of VOC/Hydrocarbon contamination	1.5		
					2.0			2.0		
					2.5			2.5		
					3.0	more pronounced concrete waste identified between 2.3m - 3.0m		3.0		
					3.5	light brown fine SAND occasional gravel	No evidence of VOC/Hydrocarbon contamination	3.5		
					4.0			4.0		
					4.5			4.5		
					5.0	Terminated at 3.5m- Due to limit of excavator reach		5.0		


<u>LOCATION / NOTES:</u>    	<u>LEGEND</u>  Disturbed Sample  Undisturbed Sample  Headspace Analysis  Down Borehole Analysis  Groundwater Table  Perched Water Table	<b>TRIALPIT LOG</b>	
		JOB TITLE	Skerries, Phase II Site Investigation
		LOCATION	Barnageeragh Cove, Skerries
		CLIENT	Winsac Ltd.
			

TRIALPIT CONSTRUCTION	SAMPLE		SOIL VAPOUR (ppm)	GROUNDWATER	DEPTH (m)	GEOLOGY	TRIALPIT NUMBER: TP02		PAGE 1 OF 1	
	NUMBER	TYPE					EXCAVATION DATE: 02/06/17	METHOD: TRACKED HYMAC		
							CONTRACTOR: Winsac Ltd	TRIALPIT DIMENSION: 2m x 3m		
							LOGGED BY: PMcC	GRID REF.: E323201 N260846		
							CHECKED BY: PM	ELEVATION: approx 22.60 m AOD		
							DESCRIPTION	COMMENTS		
SO-TP02-01			*		0					0
					0.5					0.5
					1.0					1.0
					1.5		dark brown/very dark brown SILT/CLAY some gravel	Potential Hydrocarbon odour		1.5
					2.0		waste included a lot of rags, glass bottles, plastics broken glass, pieces of metal, red brick, very large slabs from 1.0m - 2.5m	PID reading - 0 ppm		2.0
					2.5					2.5
					3.0					3.0
					3.5					3.5
					4.0		large tree trunk identified at 3.0m			4.0
					4.5					4.5
					5.0		Terminated at 4.0m- Due to excavator reach			5.0

<u>LOCATION / NOTES:</u> newspaper dated 1975 found in TP	<u>LEGEND</u>  Disturbed Sample  Undisturbed Sample  Headspace Analysis  Down Borehole Analysis  Groundwater Table  Perched Water Table	<b>TRIALPIT LOG</b>	
		JOB TITLE	<b>Skerries, Phase II Site Investigation</b>
		LOCATION	<b>Barnageeragh Cove, Skerries</b>
		CLIENT	<b>Winsac Ltd.</b>
			

TRIALPIT CONSTRUCTION	SAMPLE		SOIL VAPOUR (ppm)	GROUNDWATER	DEPTH (m)	GEOLOGY	TRIALPIT NUMBER: TP03		PAGE 1 OF 1	
	NUMBER	TYPE					EXCAVATION DATE: 01/06/17		METHOD: TRACKED HYMAC	
							CONTRACTOR: Winsac Ltd		TRIALPIT DIMENSION: 2m x 3m	
							LOGGED BY: PMcC		GRID REF.: E323135 N260862	
							CHECKED BY: PM		ELEVATION: approx.24.90m AOD	
							DESCRIPTION	COMMENTS		
SO-TP03-01							0	<p style="text-align: center;">mix of red/brown sandy SILT/CLAY, dark red/orange SILT/CLAY &amp; very dark brown/black SILT/CLAY some gravel some sub-angular &amp; sub-rounded cobbles</p> <p style="text-align: center;">waste included ash, glass, ceramics, bottles, jars plastics, black pipe &amp; 1 ash tray</p>	<p style="text-align: center;">No evidence of VOC/Hydrocarbon contamination</p>	0
							5.0			4.2m
							4.2	Terminated at 4.2m- Due to excavator reach		4.2
							4.5			4.5
							5.0			5.0

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<u>LOCATION / NOTES:</u>	<u>LEGEND</u>	<b>TRIALPIT LOG</b>
	<ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> Disturbed Sample</li> <li><input type="checkbox"/> Undisturbed Sample</li> <li>* Headspace Analysis</li> <li>† Down Borehole Analysis</li> <li>▼ Groundwater Table</li> <li>▽ Perched Water Table</li> </ul>	JOB TITLE <b>Skerries, Phase II Site Investigation</b> LOCATION <b>Barnageeragh Cove, Skerries</b> CLIENT <b>Winsac Ltd.</b>
		

TRIALPIT CONSTRUCTION	SAMPLE		SOIL VAPOUR (ppm)	GROUNDWATER	DEPTH (m)	GEOLOGY	TRIALPIT NUMBER: TP04		PAGE 1 OF 1		
	NUMBER	TYPE					EXCAVATION DATE: 01/06/17		METHOD: TRACKED HYMAC		
							CONTRACTOR: Winsac Ltd		TRIALPIT DIMENSION: 2m x 3m		
							LOGGED BY: PMcC		GRID REF.: E323153 N260856		
							CHECKED BY: PM		ELEVATION: approx.23.92 m AOD		
						DESCRIPTION	COMMENTS				
						0	brown/dark brown sandy SILT/CLAY some gravel some glass, glass bottles, ceramics & 1 clay pipe on northern face	No evidence of VOC/Hydrocarbon contamination	0		
						0.5			0.5		
						1.0			mix of red/brown sandy SILT/CLAY, dark red/orange SILT/CLAY & very dark brown/black SILT/CLAY some gravel some sub angular & sub-rounded cobbles	No evidence of VOC/Hydrocarbon contamination	1.0
						1.5					1.5
						2.0	waste included broken glass, glass bottles, ceramics ash & some metal	No evidence of VOC/Hydrocarbon contamination	2.0		
						2.5			2.5		
						3.0	very dark brown sandy SILT/CLAY a lot of ash identified some glass & ceramics	No evidence of VOC/Hydrocarbon contamination	3.0		
						3.5			3.5		
						4.0	Terminated at 4.4m- Due to excavator reach		4.0		
						4.5			4.5		
						5.0			5.0		

LOCATION / NOTES:

LEGEND

- Disturbed Sample
- Undisturbed Sample
- \* Headspace Analysis
- † Down Borehole Analysis
- ▼ Groundwater Table
- ▽ Perched Water Table

TRIALPIT LOG

JOB TITLE **Skerries, Phase II  
Site Investigation**

LOCATION **Barnageeragh Cove, Skerries**







CLIENT **Winsac Ltd.**



TRIALPIT CONSTRUCTION	SAMPLE		SOIL VAPOUR (ppm)	GROUNDWATER	DEPTH (m)	GEOLOGY	TRIALPIT NUMBER: TP05		PAGE 1 OF 1	
	NUMBER	TYPE					EXCAVATION DATE: 01/06/17	METHOD: TRACKED HYMAC		
							CONTRACTOR: Winsac Ltd	TRIALPIT DIMENSION: 2m x 3m		
							LOGGED BY: PMcC	GRID REF.: E323164 N260850		
							CHECKED BY: PM	ELEVATION: approx.23.37m AOD		
							DESCRIPTION	COMMENTS		
					0		firm/stiff dark brown/dark grey sandy gravelly SILT/CLAY	No evidence of VOC/Hydrocarbon contamination	0	
					0.5		some glass & ceramics		0.5	
					1.0		light brown sandy gravelly SILT/CLAY angular cobbles		1.0	
					1.5		mix of red/brown sandy SILT/CLAY, dark red/orange SILT/CLAY & very dark brown/black SILT/CLAY some gravel some sub-angular & sub-rounded cobbles	No evidence of VOC/Hydrocarbon contamination	1.5	
					2.0		some broken glass & ceramics		2.0	
					2.5				2.5	
					3.0		dark red sandy SILT/CLAY some gravel & sub-rounded cobbles very small amount ceramics & broken glass	No evidence of VOC/Hydrocarbon contamination	3.0	
					3.5				3.5	
					4.0		dark red sandy SILT/CLAY some gravel & sub-rounded cobbles	No evidence of VOC/Hydrocarbon contamination	4.0	
					4.5		Terminated at 4.1m- due to subsidence		4.5	
					5.0				5.0	

LOCATION / NOTES:

LEGEND

-  Disturbed Sample
-  Undisturbed Sample
-  Headspace Analysis
-  Down Borehole Analysis
-  Groundwater Table
-  Perched Water Table

TRIALPIT LOG

JOB TITLE **Skerries, Phase II Site Investigation**

LOCATION **Barnageeragh Cove, Skerries**







CLIENT **Winsac Ltd.**



TRIALPIT CONSTRUCTION	SAMPLE		SOIL VAPOUR (ppm)	GROUNDWATER	DEPTH (m)	GEOLOGY	TRIALPIT NUMBER: TP06		PAGE 1 OF 1		
	NUMBER	TYPE					EXCAVATION DATE: 31/05/17	METHOD: TRACKED HYMAC			
							CONTRACTOR: Winsac Ltd	TRIALPIT DIMENSION: 2m x 3m			
							LOGGED BY: PMcC	GRID REF.: E323175 N260843			
							CHECKED BY: PM	ELEVATION: approx.23.20m AOD			
						DESCRIPTION		COMMENTS			
						0				0	
						0.5		dark brown/very dark brown sandy CLAY/SILT some gravel very small amount of plastics		No evidence of VOC/Hydrocarbon contamination	0.5
						1.0					1.0
						1.5		brown/grey very sandy CLAY/SILT some gravel no waste some angular & sub-angular cobbles identified		No evidence of VOC/Hydrocarbon contamination	1.5
						2.0		very dark brown peaty SILT/CLAY		No evidence of VOC/Hydrocarbon contamination	2.0
						2.5					2.5
						3.0		red silty SAND a lot of ash, glass bottles, broken glass ceramics & some red brick		No evidence of VOC/Hydrocarbon contamination	3.0
						3.5					3.5
						4.0					4.0
						4.5		Terminated at 4.3m - Due to excavator reach			4.5
						5.0					5.0

LOCATION / NOTES:

LEGEND

-  Disturbed Sample
-  Undisturbed Sample
-  Headspace Analysis
-  Down Borehole Analysis
-  Groundwater Table
-  Perched Water Table

TRIALPIT LOG

JOB TITLE **Skerries, Phase II  
Site Investigation**

LOCATION **Barnageeragh Cove, Skerries**

CLIENT **Winsac Ltd.**



TRIALPIT CONSTRUCTION	SAMPLE		SOIL VAPOUR (ppm)	GROUNDWATER	DEPTH (m)	GEOLOGY	TRIALPIT NUMBER: TP07		PAGE 1 OF 1	
	NUMBER	TYPE					EXCAVATION DATE: 31/05/17	METHOD: TRACKED HYMAC		
							CONTRACTOR: Winsac Ltd	TRIALPIT DIMENSION: 2m x 3m		
							LOGGED BY: PMcC	GRID REF.: E323186 N 260833		
							CHECKED BY: PM	ELEVATION: approx.23.50 m AOD		
							DESCRIPTION	COMMENTS		
					0				0	
					0.5		dark brown sandy CLAY/SILT (some gravel and sub-angular cobbles)	No evidence of VOC/Hydrocarbon contamination	0.5	
					1.0				1.0	
					1.5		light brown SILTY SAND (some gravel, some glass bottles, some timber, some bricks)	No evidence of VOC/Hydrocarbon contamination	1.5	
					2.0		Mostly Plastic and Timber with black staining, one shoe	Hydrocarbon Odour, PID sample taken	2.0	
					2.5				2.5	
					3.0		Very dark brown black peaty SILT\CLAY some gravel and sub-rounded cobbles throughout		3.0	
					3.5		some pockets of brown/grey gravelly CLAY from 2.0m - 3.0m	No evidence of VOC/Hydrocarbon contamination	3.5	
					4.0		a lot of broken glass, ceramics, plastic & glass bottles		4.0	
					4.5		some dairy product cartoons, carpet/material, red brick & ash		4.5	
					4.6		Terminated at 4.6m - Due to excavator reach		4.6	
					5.0				5.0	

\* 13.4ppm







SO-TP06-01

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LOCATION / NOTES:

PID Reading of 13.4ppm from sample taken from 1.6m - 2.0m bgl




LEGEND

-  Disturbed Sample
-  Undisturbed Sample
-  Headspace Analysis
-  Down Borehole Analysis
-  Groundwater Table
-  Perched Water Table

**TRIALPIT LOG**

JOB TITLE	<b>Skerries, Phase II Site Investigation</b>
LOCATION	<b>Barnageeragh Cove, Skerries</b>
CLIENT	<b>Winsac Ltd.</b>










TRIALPIT CONSTRUCTION	SAMPLE		SOIL VAPOUR (ppm)	GROUNDWATER	DEPTH (m)	GEOLOGY	TRIALPIT NUMBER: TP08		PAGE 1 OF 1		
	NUMBER	TYPE					EXCAVATION DATE: 31/05/17		METHOD: TRACKED HYMAC		
							CONTRACTOR: Winsac Ltd		TRIALPIT DIMENSION: 2m x 3m		
							LOGGED BY: PMcC		GRID REF.: E323202 N260827		
							CHECKED BY: PM		ELEVATION: approx.22.90 m AOD		
DESCRIPTION		COMMENTS									
					0					0	
					0.5					0.5	
					1.0					1.0	
					1.5					1.5	
	SO-TP08		* 6.3ppm		2.0					2.0	
					2.5					2.5	
					3.0					3.0	
					3.5					3.5	
					4.0					4.0	
					4.5					4.5	
					5.0					5.0	
<b>LOCATION / NOTES:</b> PID reading of 6.3 ppm from soil sample taken at 1.8m bgl							<b>LEGEND</b> <input checked="" type="checkbox"/> Disturbed Sample <input type="checkbox"/> Undisturbed Sample * Headspace Analysis † Down Borehole Analysis  Groundwater Table  Perched Water Table		<b>TRIALPIT LOG</b> JOB TITLE <b>Skerries, Phase II Site Investigation</b> LOCATION <b>Barnageeragh Cove, Skerries</b> CLIENT <b>Winsac Ltd.</b>		
											



TRIALPIT CONSTRUCTION	SAMPLE		SOIL VAPOUR (ppm)	GROUND WATER	DEPTH (m)	GEOLOGY	TRIALPIT NUMBER: TP09		PAGE 1 OF 1	
	NUMBER	TYPE					EXCAVATION DATE: 01/06/17		METHOD: TRACKED HYMAC	
							CONTRACTOR: Winsac Ltd		TRIALPIT DIMENSION: 2m x 3m	
							LOGGED BY: PMcC		GRID REF.: E323131 N260842	
							CHECKED BY: PM		ELEVATION: approx.24.65m AOD	

DESCRIPTION	COMMENTS		
0	dark brown sandy gravelly SILT/CLAY (TOPSOIL)	No evidence of VOC/Hydrocarbon contamination	0
0.5	mix of red/brown sandy SILT/CLAY & dark red/orange SILT/CLAY some gravel	No evidence of VOC/Hydrocarbon contamination	0.5
1.0	ash identified between 0.3m - 2.2m material may have been burnt		1.0
1.5	waste included broken glass, ceramics, glass bottles & pieces of metal		1.5
2.0			2.0
2.5	dark brown silty gravelly SAND sub-angular & sub-rounded cobbles	No evidence of VOC/Hydrocarbon contamination no waste	2.5
3.0			3.0
3.5			3.5
4.0	Terminated at 3.8m - Due to sufficient depth		4.0
4.5			4.5
5.0			5.0

LOCATION / NOTES:  	<b>LEGEND</b>  Disturbed Sample  Undisturbed Sample  Headspace Analysis  Down Borehole Analysis  Groundwater Table  Perched Water Table	<b>TRIALPIT LOG</b>	
		JOB TITLE	<b>Skerries, Phase II Site Investigation</b>
		LOCATION	<b>Barnageeragh Cove, Skerries</b>
		CLIENT	<b>Winsac Ltd.</b>
			








TRIALPIT CONSTRUCTION	SAMPLE		SOIL VAPOUR (ppm)	GROUND WATER	DEPTH (m)	GEOLOGY	TRIALPIT NUMBER: TP10		PAGE 1 OF 1
	NUMBER	TYPE					EXCAVATION DATE: 01/06/17	METHOD: TRACKED HYMAC	
							CONTRACTOR: Winsac Ltd	TRIALPIT DIMENSION: 2m x 3m	
							LOGGED BY: PMcC	GRID REF.: E323146 N260837	
CHECKED BY: PM		ELEVATION: approx.23.94m AOD							

		DESCRIPTION	COMMENTS	
		dark brown sandy gravelly SILT/CLAY (TOPSOIL)	No evidence of VOC/Hydrocarbon contamination	0
		brown/dark brown gravelly SILT/CLAY	No evidence of VOC/Hydrocarbon contamination no waste	0.5
		mix of red/brown sandy SILT/CLAY & dark red/orange SILT/CLAY & very dark brown/black SILT/CLAY some gravel some sub-angular & sub-rounded cobbles some ash identified between 1.0m - 2.6m waste included broken glass, ceramics, glass bottles & pieces of metal	No evidence of VOC/Hydrocarbon contamination	1.0
		very dark brown sandy SILT/CLAY some sub-angular & sub-rounded cobbles pockets of cleaner material identified waste included broken glass & ceramics	No evidence of VOC/Hydrocarbon contamination	3.0
		Terminated at 4.5m - Due to excavator reach		4.5

LOCATION / NOTES:	<b>LEGEND</b> Disturbed Sample Undisturbed Sample Headspace Analysis Down Borehole Analysis Groundwater Table Perched Water Table	<b>TRIALPIT LOG</b>	
		JOB TITLE	<b>Skerries, Phase II Site Investigation</b>
		LOCATION	<b>Barnageeragh Cove, Skerries</b>
		CLIENT	<b>Winsac Ltd.</b>

TRIALPIT CONSTRUCTION	SAMPLE		SOIL VAPOUR (ppm)	GROUND WATER	DEPTH (m)	GEOLOGY	TRIALPIT NUMBER: TP11		PAGE 1 OF 1		
	NUMBER	TYPE					EXCAVATION DATE: 01/06/17	METHOD: TRACKED HYMAC			
							CONTRACTOR: Winsac Ltd	TRIALPIT DIMENSION: 2m x 3m			
							LOGGED BY: PMcC	GRID REF.: E323156 N260831			
							CHECKED BY: PM	ELEVATION: approx.23.78m AOD			







		DESCRIPTION	COMMENTS	
				0
		brown/dark brown sandy gravelly SILT/CLAY frequent sub-angular boulders	No evidence of VOC/Hydrocarbon contamination no waste	0.5
		dark brown/dark grey sandy gravelly SILT/CLAY small amount of waste included ceramics, glass & plastics	No evidence of VOC/Hydrocarbon contamination	1.5
		mix of red/brown sandy SILT/CLAY & dark red/orange SILT/CLAY & very dark brown/black SILT/CLAY some gravel some sub-angular & sub-rounded cobbles some ash identified waste included broken glass, ceramics & wire	No evidence of VOC/Hydrocarbon contamination	3.0
		Terminated at 4.4m - Due to excavator reach		4.5
				5.0

LOCATION / NOTES:	<b>LEGEND</b>  Disturbed Sample  Undisturbed Sample  Headspace Analysis  Down Borehole Analysis  Groundwater Table  Perched Water Table	<b>TRIALPIT LOG</b>	
		JOB TITLE	<b>Skerries, Phase II Site Investigation</b>
		LOCATION	<b>Barnageeragh Cove, Skerries</b>
		CLIENT	<b>Winsac Ltd.</b>
			

TRIALPIT CONSTRUCTION	SAMPLE		SOIL VAPOUR (ppm)	GROUNDWATER	DEPTH (m)	GEOLOGY	TRIALPIT NUMBER: TP12		PAGE 1 OF 1	
	NUMBER	TYPE					EXCAVATION DATE: 31/05/17	METHOD: TRACKED HYMAC		
							CONTRACTOR: Winsac Ltd	TRIALPIT DIMENSION: 2m x 3m		
							LOGGED BY: PMcC	GRID REF.: E323172 N260822		
							CHECKED BY: PM	ELEVATION: approx.23.37m AOD		
						DESCRIPTION	COMMENTS			
					0				0	
					0.5					
					1.0	very stiff dark grey gravelly CLAY/SILT, (some sub-rounded and sub-angular cobbles)	No evidence of VOC/Hydrocarbon contamination		1.0	
					1.5				1.5	
	SO-TP12-01				2.0	brown/grey very sandy CLAY/SILT, some gravel, some broken glass & plastics, some angular & sub-angular cobbles identified	No evidence of VOC/Hydrocarbon contamination		2.0	
					2.5				2.5	
					3.0	mix of redy brown sandy SILT\CLAY and very dark brown peaty SILT/CLAY (with ceramic, broken glasses, bottles and one spoon)	No evidence of VOC/Hydrocarbon contamination		3.0	
					3.5	mix of redy brown sandy SILT\CLAY and very dark brown SILT/CLAY	No evidence of VOC/Hydrocarbon contamination		3.5	
	SO-TP12-02				4.0				4.0	
					4.5	brown sandy SILT\CLAY (some gravel and some ceramic and red brick, but less than above)	No evidence of VOC/Hydrocarbon contamination		4.5	
					5.0	Terminated at 4.6m - Due to excavator reach				

LOCATION / NOTES:

LEGEND

-  Disturbed Sample
-  Undisturbed Sample
-  Headspace Analysis
-  Down Borehole Analysis
-  Groundwater Table
-  Perched Water Table

TRIALPIT LOG

JOB TITLE **Skerries, Phase II Site Investigation**

LOCATION **Barnageeragh Cove, Skerries**

CLIENT **Winsac Ltd.**









TRIALPIT CONSTRUCTION	SAMPLE		SOIL VAPOUR (ppm)	GROUNDWATER	DEPTH (m)	GEOLOGY	TRIALPIT NUMBER: TP13		PAGE 1 OF 1	
	NUMBER	TYPE					EXCAVATION DATE: 31/05/17		METHOD: TRACKED HYMAC	
							CONTRACTOR: Winsac Ltd		TRIALPIT DIMENSION: 2m x 3m	
							LOGGED BY: PMcC		GRID REF.: E323186 N260821	
							CHECKED BY: PM		ELEVATION: approx.23.90m AOD	
							DESCRIPTION	COMMENTS		
					0		Light brown gravelly SAND	No evidence of VOC/Hydrocarbon contamination	0	
					0.5		Mixture of material: dark grey gravelly CLAY/ SILT & brown/grey very sandy CLAY/SILT  small amount of plastic, glass and material/felt	No evidence of VOC/Hydrocarbon contamination	0.5	
					1.0				1.0	
					1.5		dark grey gravelly sandy SILT/CLAY		1.5	
					2.0		layer of black plastic wrap at 1.5m	No evidence of VOC/Hydrocarbon contamination	2.0	
					2.5				2.5	
					3.0		brown grey gravelly sandy SILT\CLAY	No evidence of VOC/Hydrocarbon contamination	3.0	
					3.5		dark brown/black peaty SILT/CLAY	No evidence of VOC/Hydrocarbon contamination	3.5	
					4.0		many angular & sub angular cobbles		4.0	
					4.5		Terminated at 4m - Due to excavator reach		4.5	
					5.0				5.0	

**LOCATION / NOTES:**

Mixture of waste from 1.5m - 4.0m including books, oil can, plastics, shoes, lightbulb, glass, ceramics, timber, pipe, cloths.

Metal chiropodist sign at 2.5m

**LEGEND**

-  Disturbed Sample
-  Undisturbed Sample
-  Headspace Analysis
-  Down Borehole Analysis
-  Groundwater Table
-  Perched Water Table

**TRIALPIT LOG**

JOB TITLE	<b>Skerries, Phase II Site Investigation</b>
LOCATION	<b>Barnageeragh Cove, Skerries</b>
CLIENT	<b>Winsac Ltd.</b>



TRIALPIT CONSTRUCTION	SAMPLE		SOIL VAPOUR (ppm)	GROUNDWATER	DEPTH (m)	GEOLOGY	TRIALPIT NUMBER: TP14		PAGE 1 OF 1	
	NUMBER	TYPE					EXCAVATION DATE: 31/05/17		METHOD: TRACKED HYMAC	
							CONTRACTOR: Winsac Ltd		TRIALPIT DIMENSION: 2m x 3m	
	LOGGED BY: PMcC						GRID REF.: E323199 N260818			
	CHECKED BY: PM						ELEVATION: approx.23m AOD			

DESCRIPTION	COMMENTS	
		0
<p>brown sandy gravelly SILT/CLAY (some subrounded cobbles)</p>	No evidence of VOC/Hydrocarbon contamination	0.5
<p>dark brown, black peaty gravelly SILT/CLAY lots of plastics identified</p>	No evidence of VOC/Hydrocarbon contamination	1.0
<p>stiff brown grey sandy gravelly SILT/CLAY, some sub rounded cobbles, waste identified included plastics, bottles, washing up liquid bottles</p>	No evidence of VOC/Hydrocarbon contamination	2.0
<p>mix of stiff brown grey sandy gravelly SILT/CLAY, some sub rounded cobbles, &amp; dark brown/black gravelly SILT/CLAY some sub angular boulders at 3.5m</p>	Hydrocarbon odour identified at 3.5m	3.0
<p>waste identified included timber, plastics, glass, skin cream containers</p>		3.5
		4.0
<p>Terminated at 4.4m - Due to excavator reach</p>		4.5
		5.0

<p><b>LOCATION / NOTES:</b></p> <p>PID reading of 4.5 ppm from soil sample taken at 3.5m</p>	<p><b>LEGEND</b></p> <ul style="list-style-type: none"> <li> Disturbed Sample</li> <li> Undisturbed Sample</li> <li> Headspace Analysis</li> <li> Down Borehole Analysis</li> <li> Groundwater Table</li> <li> Perched Water Table</li> </ul>	<b>TRIALPIT LOG</b>	
		<p><b>JOB TITLE</b> Skerries, Phase II Site Investigation</p> <p><b>LOCATION</b> Barnageeragh Cove, Skerries</p> <p><b>CLIENT</b> Winsac Ltd.</p>	









TRIALPIT CONSTRUCTION	SAMPLE		SOIL VAPOUR (ppm)	GROUNDWATER	DEPTH (m)	GEOLOGY	TRIALPIT NUMBER: TP15		PAGE 1 OF 1	
	NUMBER	TYPE					EXCAVATION DATE: 31/05/17		METHOD: TRACKED HYMAC	
							CONTRACTOR: Winsac Ltd		TRIALPIT DIMENSION: 2m x 3m	
							LOGGED BY: PMcC		GRID REF.: E323213 N260812	
							CHECKED BY: PM		ELEVATION: approx.21.15m AOD	
							DESCRIPTION	COMMENTS		
					0		brown sandy gravelly CLAY/SILT (sub-rounded cobbles)	No evidence of VOC/Hydrocarbon contamination	0	
					0.5		firm dark brown, dark grey gravelly CLAY/SILT	No evidence of VOC/Hydrocarbon contamination	0.5	
					1.0		dark brown peaty CLAY/SILT	No evidence of VOC/Hydrocarbon contamination	1.0	
					1.5		(lots of plastic and clothes, washing up and oil bottles)	No evidence of VOC/Hydrocarbon contamination	1.5	
					2.0		brown/grey sandy gravelly SILT/CLAY	No evidence of VOC/Hydrocarbon contamination	2.0	
					2.5		dark brown black CLAY/SILT	No evidence of VOC/Hydrocarbon contamination	2.5	
					3.0		mix of dark brown black CLAY/SILT & brown/grey sandy gravelly CLAY/SILT waste identified from 1.9m - 4.1m included plastics, plastic bottles, cardboard, timber, glass bottles, material/felt, shoes, red brick	Hydrocarbon odour noted at 3.2m	3.0	
					3.5				3.5	
					4.0				4.0	
					4.5		Terminated at 4.3m - Due to excavator reach		4.5	
					5.0				5.0	

LOCATION / NOTES:

PID reading of 2.3ppm detected from soil sample taken at 3.2m

LEGEND

-  Disturbed Sample
-  Undisturbed Sample
-  Headspace Analysis
-  Down Borehole Analysis
-  Groundwater Table
-  Perched Water Table

**TRIALPIT LOG**

JOB TITLE **Skerries, Phase II Site Investigation**








LOCATION **Barnageeragh Cove, Skerries**

CLIENT **Winsac Ltd.**



TRIALPIT CONSTRUCTION	SAMPLE		SOIL VAPOUR (ppm)	GROUND WATER	DEPTH (m)	GEOLOGY	TRIALPIT NUMBER: TP16		PAGE 1 OF 1
	NUMBER	TYPE					EXCAVATION DATE: 31/05/17	METHOD: TRACKED HYMAC	
							CONTRACTOR: Winsac Ltd	TRIALPIT DIMENSION: 2m x 3m	
							LOGGED BY: PMcC	GRID REF.: E323227 N260806	
CHECKED BY: PM		ELEVATION: approx 23.15m AOD.							








		DESCRIPTION	COMMENTS	
				0
		brown/dark brown silty very gravelly SAND some sub-rounded & sub-angular cobbles	No evidence of VOC/Hydrocarbon contamination  no waste	0.5
		dark brown sandy gravelly CLAY/SILT	No evidence of VOC/Hydrocarbon contamination	2.0
		very dark brown/black & dark grey very sandy SILT/CLAY some gravel		2.5
		waste identified from 2.4m - 4.6m included blocks, concrete, metal, glass, ceramic, timber, plastics, glass & plastic bottles, some tyres, cloth, shoes & rope	No evidence of VOC/Hydrocarbon contamination	3.5
		black SILT/CLAY some gravel	No evidence of VOC/Hydrocarbon contamination	4.5
		Terminated at 4.6m - Due to excavator reach		
				5.0

LOCATION / NOTES:	<b>LEGEND</b>  Disturbed Sample  Undisturbed Sample  Headspace Analysis  Down Borehole Analysis  Groundwater Table  Perched Water Table	<b>TRIALPIT LOG</b>	
		JOB TITLE	<b>Skerries, Phase II Site Investigation</b>
		LOCATION	<b>Barnageeragh Cove, Skerries</b>
		CLIENT	<b>Winsac Ltd.</b>
			




TRIALPIT CONSTRUCTION	SAMPLE		SOIL VAPOUR (ppm)	GROUND WATER	DEPTH (m)	GEOLOGY	TRIALPIT NUMBER: TP17		PAGE 1 OF 1		
	NUMBER	TYPE					EXCAVATION DATE: 31/05/17	METHOD: TRACKED HYMAC			
							CONTRACTOR: Winsac Ltd	TRIALPIT DIMENSION: 2m x 3m			
							LOGGED BY: PMcC	GRID REF.: E323240 N260796			
		CHECKED BY: PM	ELEVATION: approx.19.90m AOD								

						DESCRIPTION	COMMENTS	
					0			0
					0.5	brown/dark brown gravelly silty SAND some sub-rounded, angular & sub-angular cobbles	No evidence of VOC/Hydrocarbon contamination  no waste	0.5
				1.0				1.0
				1.5				1.5
					2.0	firm/stiff dark grey sandy gravelly CLAY/SILT very small amount of broken glass & plastics  2inch plastic pipe running towards sea identified at 2.0m	No evidence of VOC/Hydrocarbon contamination	2.0
				2.5				2.5
					3.0	very dark brown/black/dark grey SILT/CLAY some gravel  waste identified from 2.5m - 4.1m included pieces of metal, glass, ceramic, timber, plastics, glass & plastic bottles, rubber rings, cloths & syringe (no needle)	No evidence of VOC/Hydrocarbon contamination	3.0
				3.5				3.5
				4.0				4.0
					4.5	Terminated at 4.1m - Due to excavator reach		4.5
					5.0			5.0

LOCATION / NOTES:  	<b>LEGEND</b>  Disturbed Sample  Undisturbed Sample  Headspace Analysis  Down Borehole Analysis  Groundwater Table  Perched Water Table		<b>TRIALPIT LOG</b> JOB TITLE <b>Skerries, Phase II Site Investigation</b> LOCATION <b>Barnageeragh Cove, Skerries</b> CLIENT <b>Winsac Ltd.</b>	
				








TRIALPIT CONSTRUCTION	SAMPLE		SOIL VAPOUR (ppm)	GROUNDWATER	DEPTH (m)	GEOLOGY	TRIALPIT NUMBER: TP18		PAGE 1 OF 1
							EXCAVATION DATE: 02/06/17	METHOD: TRACKED HYMAC	
	CONTRACTOR: Winsac Ltd	TRIALPIT DIMENSION: 2m x 3m							
	LOGGED BY: PMcC	GRID REF.: E323255 N260796							
	CHECKED BY: PM	ELEVATION: approx. 17.50m AOD							

						DESCRIPTION	COMMENTS	
				0				0
				0.5				0.5
				1.0				1.0
				1.5		brown sandy gravelly SILT/CLAY		1.5
				2.0		waste throughout including a lot of plastic a tire, some glass bottles, pieces of metal, clothes/material concrete, plastic pipe & roots/braches	No evidence of VOC/Hydrocarbon contamination	2.0
				2.5				2.5
				3.0				3.0
				3.5				3.5
				4.0				4.0
				4.5		Terminated at 4.1m - Due to excavator reach		4.5
				5.0				5.0

<u>LOCATION / NOTES:</u>    	<u>LEGEND</u> <input checked="" type="checkbox"/> Disturbed Sample <input type="checkbox"/> Undisturbed Sample * Headspace Analysis † Down Borehole Analysis ▼ Groundwater Table ▽ Perched Water Table	<b>TRIALPIT LOG</b>	
		JOB TITLE	<b>Skerries, Phase II Site Investigation</b>
		LOCATION	<b>Barnageeragh Cove, Skerries</b>
		CLIENT	<b>Winsac Ltd.</b>
			








TRIALPIT CONSTRUCTION	SAMPLE		SOIL VAPOUR (ppm)	GROUND WATER	DEPTH (m)	GEOLOGY	TRIALPIT NUMBER: TP19		PAGE 1 OF 1		
	NUMBER	TYPE					EXCAVATION DATE: 01/06/17	METHOD: TRACKED HYMAC			
							CONTRACTOR: Winsac Ltd	TRIALPIT DIMENSION: 2m x 3m			
							LOGGED BY: PMcC	GRID REF.: E323139 N260830			
		CHECKED BY: PM	ELEVATION: approx.24.30m AOD								

						DESCRIPTION		COMMENTS	
				0					0
				0.5		dark brown sandy gravelly SILT/CLAY		No evidence of VOC/Hydrocarbon contamination no waste	0.5
				1.0		red/red brown sandy SILT/CLAY some gravel		No evidence of VOC/Hydrocarbon contamination	1.0
				1.5		some clinker & ash identified material may have been burnt			1.5
				2.0		waste included glass, plastics, metal sign, spring/car parts & ceramics			2.0
				2.5					2.5
				3.0					3.0
				3.5		dark brown silty gravelly SAND sub-angular & sub-rounded cobbles		No evidence of VOC/Hydrocarbon contamination no waste	3.5
				4.0		Terminated at 4.0m - Due to excavator reach			4.0
				4.5					4.5
				5.0					5.0

LOCATION / NOTES:	<b>LEGEND</b>  Disturbed Sample  Undisturbed Sample  Headspace Analysis  Down Borehole Analysis  Groundwater Table  Perched Water Table	<b>TRIALPIT LOG</b>	
		JOB TITLE	<b>Skerries, Phase II Site Investigation</b>
		LOCATION	<b>Barnageeragh Cove, Skerries</b>
		CLIENT	<b>Winsac Ltd.</b>
			








TRIALPIT CONSTRUCTION	SAMPLE		SOIL VAPOUR (ppm)	GROUND WATER	DEPTH (m)	GEOLOGY	TRIALPIT NUMBER: TP20		PAGE 1 OF 1	
	NUMBER	TYPE					EXCAVATION DATE: 01/06/17	METHOD: TRACKED HYMAC		
							CONTRACTOR: Winsac Ltd	TRIALPIT DIMENSION: 2m x 3m		
							LOGGED BY: PMcC	GRID REF.: E323159 N260821		
							CHECKED BY: PM	ELEVATION: approx.23.82m AOD		

DESCRIPTION	COMMENTS	
		0
brown/dark brown sandy gravelly SILT/CLAY	No evidence of VOC/Hydrocarbon contamination no waste	0.5
firm/stiff dark brown/dark grey sandy gravelly SILT/CLAY some pieces of broken glass & ceramics		1.0
brown/dark brown gravelly very sandy SILT/CLAY angular & sub-angular cobbles  very small amount of plastics, broken glass, bottles, pieces of metal & one old drum (metal)	No evidence of VOC/Hydrocarbon contamination	2.0
red/brown silty SAND some gravel sub-angular & sub-rounded cobbles  substantial amount of broken glass & ceramics	No evidence of VOC/Hydrocarbon contamination	3.5
dark brown very sandy SILT/CLAY some gravel angular & sub-angular cobbles	No evidence of VOC/Hydrocarbon contamination	4.0
Terminated at 4.3m - Due to excavator reach		4.5
		5.0

<u>LOCATION / NOTES:</u>  	<u>LEGEND</u>  Disturbed Sample  Undisturbed Sample  Headspace Analysis  Down Borehole Analysis  Groundwater Table  Perched Water Table	<b>TRIALPIT LOG</b>	
		JOB TITLE	<b>Skerries, Phase II Site Investigation</b>
		LOCATION	<b>Barnageeragh Cove, Skerries</b>
		CLIENT	<b>Winsac Ltd.</b>
			








TRIALPIT CONSTRUCTION	SAMPLE		SOIL VAPOUR (ppm)	GROUND WATER	DEPTH (m)	GEOLOGY	TRIALPIT NUMBER: TP21		PAGE 1 OF 1	
	NUMBER	TYPE					EXCAVATION DATE: 01/06/17		METHOD: TRACKED HYMAC	
							CONTRACTOR: Winsac Ltd		TRIALPIT DIMENSION: 2m x 3m	
							LOGGED BY: PMcC		GRID REF.: E323188 N260812	
CHECKED BY: PM		ELEVATION: Approx.23.38m AOD								

DESCRIPTION	COMMENTS	
		0
brown/dark brown sandy gravelly SILT/CLAY some cobbles	No evidence of VOC/Hydrocarbon contamination no waste	0.5
firm/stiff dark brown/dark grey sandy gravelly SILT/CLAY small amount of plastics & ceramics	No evidence of VOC/Hydrocarbon contamination	1.0
very dark brown/black sandy SILT/CLAY some gravel  waste identified from 1.3m - 4.0m included concrete, timber, red brick, glass, ceramic, plastics, glass & plastic bottles, rubber rings, cloths, metal & 1 bone  construction and demolition waste (i.e. Concrete, tiles and timber) identified from 3.7m - 4.0m	potential hydrocarbon odour noted during excavation of trialpit from 1.3m - 4.0m	1.5 2.0 2.5 3.0
Terminated at 4.0m - Due to excavator reach		4.0
		4.5
		5.0

LOCATION / NOTES:	<b>LEGEND</b>  Disturbed Sample  Undisturbed Sample  Headspace Analysis  Down Borehole Analysis  Groundwater Table  Perched Water Table	<b>TRIALPIT LOG</b>	
		JOB TITLE	<b>Skerries, Phase II Site Investigation</b>
		LOCATION	<b>Barnageeragh Cove, Skerries</b>
		CLIENT	<b>Winsac Ltd.</b>
			








TRIALPIT CONSTRUCTION	SAMPLE		SOIL VAPOUR (ppm)	GROUND WATER	DEPTH (m)	GEOLOGY	TRIALPIT NUMBER: TP22		PAGE 1 OF 1	
	NUMBER	TYPE					EXCAVATION DATE: 01/06/17		METHOD: TRACKED HYMAC	
							CONTRACTOR: Winsac Ltd		TRIALPIT DIMENSION: 2m x 3m	
							LOGGED BY: PMcC		GRID REF.: E323213 N260800	
							CHECKED BY: PM		ELEVATION: approx.21.50m AOD	

DESCRIPTION	COMMENTS	
0 - 0.5m brown silty gravelly SAND some sub-rounded, angular & sub-angular cobbles	No evidence of VOC/Hydrocarbon contamination no waste	0 - 0.5
0.5 - 1.5m firm/stiff brown/grey sandy SILT/CLAY some gravel	No evidence of VOC/Hydrocarbon contamination waste started at 1.3m	0.5 - 1.5
1.5 - 4.2m very dark brown/black sandy SILT/CLAY some gravel waste identified from 1.3m - 4.2m included concrete, timber, red brick, glass, ceramic, plastics, glass & plastic bottles, rubber rings, cloths & wire	No evidence of VOC/Hydrocarbon contamination	1.5 - 4.2
4.2 - 4.5m Terminated at 4.2m - Due to excavator reach		4.2 - 4.5

LOCATION / NOTES:  	<b>LEGEND</b>  Disturbed Sample  Undisturbed Sample  Headspace Analysis  Down Borehole Analysis  Groundwater Table  Perched Water Table	<b>TRIALPIT LOG</b>	
		JOB TITLE	<b>Skerries, Phase II Site Investigation</b>
		LOCATION	<b>Barnageeragh Cove, Skerries</b>
		CLIENT	<b>Winsac Ltd.</b>
			


TRIALPIT CONSTRUCTION	SAMPLE		SOIL VAPOUR (ppm)	GROUNDWATER	DEPTH (m)	GEOLOGY	TRIALPIT NUMBER: TP23		PAGE 1 OF 1
							EXCAVATION DATE: 02/06/17	METHOD: TRACKED HYMAC	
	CONTRACTOR: Winsac Ltd						TRIALPIT DIMENSION: 2m x 3m		
	LOGGED BY: PMcC						GRID REF.: E323247 N260784		
	CHECKED BY: PM						ELEVATION: approx. 16.80m AOD		

DESCRIPTION	COMMENTS
<p>0</p> <p>0.5</p> <p>1.0</p> <p>1.5</p> <p>2.0</p> <p>2.5</p> <p>3.0</p> <p>3.5</p> <p>4.0</p> <p>4.5</p> <p>5.0</p>	<p>0</p> <p>0.5</p> <p>1.0</p> <p>1.5</p> <p>2.0</p> <p>2.5</p> <p>3.0</p> <p>3.5</p> <p>4.0</p> <p>4.5</p> <p>5.0</p>
<p>brown/dark brown sandy very gravelly SILT/CLAY some angular, sub-angular &amp; sub-rounded cobbles</p> <p>some broken glass, glass bottles, ceramic, 1 tool brush &amp; piece of metal identified</p>	<p>No evidence of VOC/Hydrocarbon contamination</p>
<p>very dark grey stiff gravelly SILT/CLAY a lot of plastic &amp; broken glass identified some shoes, plastic bottles &amp; cloth also identified between 3.5m - 4.0m</p>	<p>No evidence of VOC/Hydrocarbon contamination</p>
<p>Terminated at 4.0 - Due to excavator reach</p>	

LOCATION / NOTES:	<b>LEGEND</b>  Disturbed Sample  Undisturbed Sample  Headspace Analysis  Down Borehole Analysis  Groundwater Table  Perched Water Table	<b>TRIALPIT LOG</b>	
		JOB TITLE	<b>Skerries, Phase II Site Investigation</b>
		LOCATION	<b>Barnageeragh Cove, Skerries</b>
		CLIENT	<b>Winsac Ltd.</b>
			


TRIALPIT CONSTRUCTION	SAMPLE		SOIL VAPOUR (ppm)	GROUNDWATER	DEPTH (m)	GEOLOGY	TRIALPIT NUMBER: TP24		PAGE 1 OF 1	
	NUMBER	TYPE					EXCAVATION DATE: 02/06/17		METHOD: TRACKED HYMAC	
							CONTRACTOR: Winsac Ltd		TRIALPIT DIMENSION: 2m x 3m	
							LOGGED BY: PMcC		GRID REF.: E323280 N260818	
							CHECKED BY: PM		ELEVATION: approx. 16m AOD	

DESCRIPTION	COMMENTS
0	0
0.5	0.5
1.0	1.0
1.5	1.5
2.0	2.0
2.5	2.5
3.0	3.0
3.5	3.5
4.0	4.0
4.5	4.5
5.0	5.0

LOCATION / NOTES:	<b>LEGEND</b>	<b>TRIALPIT LOG</b>	
	<input checked="" type="checkbox"/> Disturbed Sample	JOB TITLE	<b>Skerries, Phase II Site Investigation</b>
	<input type="checkbox"/> Undisturbed Sample	LOCATION	<b>Barnageeragh Cove, Skerries</b>
	* Headspace Analysis	CLIENT	<b>Winsac Ltd.</b>
	† Down Borehole Analysis		
▼ Groundwater Table			
▽ Perched Water Table			



TRIALPIT CONSTRUCTION	SAMPLE		SOIL VAPOUR (ppm)	GROUNDWATER	DEPTH (m)	GEOLOGY	TRIALPIT NUMBER: TP25		PAGE 1 OF 1		
	NUMBER	TYPE					EXCAVATION DATE: 02/06/17		METHOD: TRACKED HYMAC		
							CONTRACTOR: Winsac Ltd		TRIALPIT DIMENSION: 2m x 3m		
	LOGGED BY: PMcC						GRID REF.: E323263 N260816				
	CHECKED BY: PM						ELEVATION: approx. 15.20m AOD				
								DESCRIPTION		COMMENTS	
								brown sandy gravelly SILT/CLAY (FILL)		No evidence of VOC/Hydrocarbon contamination  no waste	
								dark brown/dark grey firm sandy gravelly SILT/CLAY  some angular & sub-angular cobbles  buried roots identified at 2.2m		No evidence of VOC/Hydrocarbon contamination	
								Terminated at 3.6 - Due to sufficient depth			

<u>LOCATION / NOTES:</u>	<u>LEGEND</u>		<b>TRIALPIT LOG</b>	
	<input checked="" type="checkbox"/> Disturbed Sample	<input type="checkbox"/> Undisturbed Sample	JOB TITLE <b>Skerries, Phase II Site Investigation</b>	
	* Headspace Analysis	† Down Borehole Analysis	LOCATION <b>Barnageeragh Cove, Skerries</b>	
	▼ Groundwater Table	▽ Perched Water Table	CLIENT <b>Winsac Ltd.</b>	
				

TRIALPIT CONSTRUCTION	SAMPLE		SOIL VAPOUR (ppm)	GROUNDWATER	DEPTH (m)	GEOLOGY	TRIALPIT NUMBER: TP26		PAGE 1 OF 1	
	NUMBER	TYPE					EXCAVATION DATE: 02/06/17		METHOD: TRACKED HYMAC	
							CONTRACTOR: Winsac Ltd		TRIALPIT DIMENSION: 2m x 3m	
							LOGGED BY: PMcC		GRID REF.: E323250 N260828	
							CHECKED BY: PM		ELEVATION: approx. 15.50m AOD	
							DESCRIPTION	COMMENTS		
				0					0	
				0.5			brown sandy gravelly SILT/CLAY (FILL)	No evidence of VOC/Hydrocarbon contamination	0.5	
				1.0			1 timber post & 1 piece of aeroboard	no domestic waste	1.0	
				1.5					1.5	
				2.0			dark brown/dark grey firm sandy gravelly SILT/CLAY	No evidence of VOC/Hydrocarbon contamination	2.0	
				2.5			some angular & sub-angular cobbles		2.5	
				3.0			some buried root identified at 2.0m		3.0	
				3.5					3.5	
				4.0			Terminated at 3.5- Due to sufficient depth		4.0	
				4.5					4.5	
				5.0					5.0	

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LOCATION / NOTES:

no sample

LEGEND

- Disturbed Sample
- Undisturbed Sample
- \* Headspace Analysis
- † Down Borehole Analysis
- ▼ Groundwater Table
- ▽ Perched Water Table

**TRIALPIT LOG**

JOB TITLE **Skerries, Phase II Site Investigation**

LOCATION **Barnageeragh Cove, Skerries**

CLIENT **Winsac Ltd.**



TRIALPIT CONSTRUCTION	SAMPLE		SOIL VAPOUR (ppm)	GROUNDWATER	DEPTH (m)	GEOLOGY	TRIALPIT NUMBER: TP27		PAGE 1 OF 1		
	NUMBER	TYPE					EXCAVATION DATE: 02/06/17		METHOD: TRACKED HYMAC		
							CONTRACTOR: Winsac Ltd		TRIALPIT DIMENSION: 2m x 3m		
							LOGGED BY: PMcC		GRID REF.: E323234 N260843		
							CHECKED BY: PM		ELEVATION: approx. 15.60m AOD		
						DESCRIPTION		COMMENTS			
SO-TP27-01						0	brown sandy gravelly SILT/CLAY (FILL)		No evidence of VOC/Hydrocarbon contamination no waste		0
						0.5					0.5
						1.0	dark brown/dark grey firm/stiff gravelly SILT/CLAY some angular & sub-angular cobbles 1 piece of re-bar identified at 2.0m		No evidence of VOC/Hydrocarbon contamination		1.0
						1.5					1.5
2.0	2.0										
2.5	Terminated at 3.5 - Due to sufficient depth				2.5						
3.0					3.0						
3.5	Terminated at 3.5 - Due to sufficient depth				3.5						
4.0					4.0						
4.5	Terminated at 3.5 - Due to sufficient depth				4.5						
5.0					5.0						

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LOCATION / NOTES:

LEGEND

- Disturbed Sample
- Undisturbed Sample
- \* Headspace Analysis
- † Down Borehole Analysis
- ▼ Groundwater Table
- ▽ Perched Water Table

**TRIALPIT LOG**

JOB TITLE	<b>Skerries, Phase II Site Investigation</b>
LOCATION	<b>Barnageeragh Cove, Skerries</b>
CLIENT	<b>Winsac Ltd.</b>



TRIALPIT CONSTRUCTION	SAMPLE		SOIL VAPOUR (ppm)	GROUNDWATER	DEPTH (m)	GEOLOGY	TRIALPIT NUMBER: TP28		PAGE 1 OF 1	
	NUMBER	TYPE					EXCAVATION DATE: 02/06/17	METHOD: TRACKED HYMAC		
							CONTRACTOR: Winsac Ltd	TRIALPIT DIMENSION: 2m x 3m		
							LOGGED BY: PMcC	GRID REF.: E323256 N260806		
							CHECKED BY: PM	ELEVATION: approx. 15.25m AOD		
							DESCRIPTION	COMMENTS		
					0		GRAVEL some plastic waste	No evidence of VOC/Hydrocarbon contamination	0	
					0.5			No evidence of VOC/Hydrocarbon contamination	0.5	
					1.0		brown sandy gravelly SILT/CLAY	no waste except pocket of plastic waste in corner of TP	1.0	
					1.5				1.5	
					2.0				2.0	
					2.5				2.5	
					3.0		very dark brown sandy SILT/CLAY some gravel predominately C&D waste - concrete, timber, metal, plastic & pipes & plastics, shoes, material & plastic bottles also identified between 2.2m - 4.0m	No evidence of VOC/Hydrocarbon contamination	3.0	
					3.5				3.5	
					4.0		Terminated at 4.0 - Due to excavator reach		4.0	
					4.5				4.5	
					5.0				5.0	
LOCATION / NOTES:						LEGEND		TRIALPIT LOG		
						<ul style="list-style-type: none"> <li> Disturbed Sample</li> <li> Undisturbed Sample</li> <li> Headspace Analysis</li> <li> Down Borehole Analysis</li> <li> Groundwater Table</li> <li> Perched Water Table</li> </ul>		JOB TITLE <b>Skerries, Phase II Site Investigation</b>		
								LOCATION <b>Barnageeragh Cove, Skerries</b>		
								CLIENT <b>Winsac Ltd.</b>		

TRIALPIT CONSTRUCTION	SAMPLE		SOIL VAPOUR (ppm)	GROUNDWATER	DEPTH (m)	GEOLOGY	TRIALPIT NUMBER: TP29		PAGE 1 OF 1
							EXCAVATION DATE: 02/06/17	METHOD: TRACKED HYMAC	
	CONTRACTOR: Winsac Ltd	TRIALPIT DIMENSION: 2m x 3m							
	LOGGED BY: PMcC	GRID REF.: E323266 N260800							
	CHECKED BY: PM	ELEVATION: approx. 15.20m AOD							

DESCRIPTION	COMMENTS
0	0
0.5	0.5
1.0	1.0
1.5	1.5
2.0	2.0
2.5	2.5
3.0	3.0
3.5	3.5
4.0	4.0
4.5	4.5
5.0	5.0

SO-TP29-01

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brown sandy gravelly SILT/CLAY

No evidence of VOC/Hydrocarbon contamination  
no waste

Very dark brown sandy SILT/CLAY  
some gravel

No evidence of VOC/Hydrocarbon contamination

1 piece of aeroboard & 1 plastic sheeting  
identified at 3.0m

buried roots/branches found at 4.0m

Terminated at 4.2 - Due to excavator reach

LOCATION / NOTES:

LEGEND

- Disturbed Sample
- Undisturbed Sample
- \* Headspace Analysis
- † Down Borehole Analysis
- ▼ Groundwater Table
- ▽ Perched Water Table

**TRIALPIT LOG**

JOB TITLE	<b>Skerries, Phase II Site Investigation</b>
LOCATION	<b>Barnageeragh Cove, Skerries</b>
CLIENT	<b>Winsac Ltd.</b>



TRIALPIT CONSTRUCTION	SAMPLE		SOIL VAPOUR (ppm)	GROUNDWATER	DEPTH (m)	GEOLOGY	TRIALPIT NUMBER: TP30		PAGE 1 OF 1	
	NUMBER	TYPE					EXCAVATION DATE: 01/06/17		METHOD: TRACKED HYMAC	
							CONTRACTOR: Winsac Ltd		TRIALPIT DIMENSION: 2m x 3m	
							LOGGED BY: PMcC		GRID REF.: E323067 N260888	
							CHECKED BY: PM		ELEVATION: approx.24.16m AOD	
							DESCRIPTION	COMMENTS		
					0				0	
					0.5		brown/dark brown sandy gravelly SILT/CLAY some angular & sub-angular cobbles	No evidence of VOC/Hydrocarbon contamination	0.5	
					1.0				1.0	
					1.5				1.5	
					2.0		brown/dark brown courser gravelly SAND some sub-angular & sub-rounded cobbles	No evidence of VOC/Hydrocarbon contamination	2.0	
					2.5				2.5	
					3.0				3.0	
					3.5				3.5	
					4.0				4.0	
					4.5				4.5	
					5.0		Terminated at 2.2m- Due to sufficient depth		5.0	

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LOCATION / NOTES:

no waste  
no sample

LEGEND

- Disturbed Sample
- Undisturbed Sample
- \* Headspace Analysis
- † Down Borehole Analysis
- ▼ Groundwater Table
- ▽ Perched Water Table

**TRIALPIT LOG**

JOB TITLE **Skerries, Phase II Site Investigation**








LOCATION **Barnageeragh Cove, Skerries**

CLIENT **Winsac Ltd.**



TRIALPIT CONSTRUCTION	SAMPLE		SOIL VAPOUR (ppm)	GROUNDWATER	DEPTH (m)	GEOLOGY	TRIALPIT NUMBER: TP31		PAGE 1 OF 1
							EXCAVATION DATE: 02/06/17	METHOD: TRACKED HYMAC	
	CONTRACTOR: Winsac Ltd	TRIALPIT DIMENSION: 2m x 3m							
	LOGGED BY: PMcC	GRID REF.: E323265 N260791							
	CHECKED BY: PM	ELEVATION: approx. 16.30m AOD							

DESCRIPTION	COMMENTS
brown sandy gravelly SILT/CLAY  some buried tree roots / branches from 0m - 1.9m	No evidence of VOC/Hydrocarbon contamination
dark brown sandy SILT/CLAY  some plastic waste	No evidence of VOC/Hydrocarbon contamination
rounded, sub-rounded & angular GRAVEL & COBBLES	very hard to dig
Terminated at 3.9 - Due to obstruction	

LOCATION / NOTES:	<b>LEGEND</b>  Disturbed Sample  Undisturbed Sample  Headspace Analysis  Down Borehole Analysis  Groundwater Table  Perched Water Table	<b>TRIALPIT LOG</b>	
		JOB TITLE	<b>Skerries, Phase II Site Investigation</b>
	LOCATION	<b>Barnageeragh Cove, Skerries</b>	
	CLIENT	<b>Winsac Ltd.</b>	
			

TRIALPIT CONSTRUCTION	SAMPLE		SOIL VAPOUR (ppm)	GROUNDWATER	DEPTH (m)	GEOLOGY	TRIALPIT NUMBER: TP32		PAGE 1 OF 1	
	NUMBER	TYPE					EXCAVATION DATE: 02/06/17		METHOD: TRACKED HYMAC	
							CONTRACTOR: Winsac Ltd		TRIALPIT DIMENSION: 2m x 3m	
							LOGGED BY: PMcC		GRID REF.: E323264 N260861	
							CHECKED BY: PM		ELEVATION: approx. 15.60m AOD	
							DESCRIPTION	COMMENTS		
					0				0	
					0.5		brown sandy gravelly gravelly SILT/CLAY	No evidence of VOC/Hydrocarbon contamination no waste	0.5	
					1.0		dark brown very gravelly SAND sub-rounded & rounded cobbles	No evidence of VOC/Hydrocarbon contamination	1.0	
					1.5		dark brown very gravelly SAND larger sub-angular, sub-rounded & rounded cobbles	No evidence of VOC/Hydrocarbon contamination	1.5	
					2.0		Terminated at 2.0m - Due to sufficient depth		2.0	
					2.5				2.5	
					3.0				3.0	
					3.5				3.5	
					4.0				4.0	
					4.5				4.5	
					5.0				5.0	

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LOCATION / NOTES:

no sample

LEGEND

- Disturbed Sample
- Undisturbed Sample
- \* Headspace Analysis
- † Down Borehole Analysis
- ▼ Groundwater Table
- ▽ Perched Water Table

**TRIALPIT LOG**

JOB TITLE **Skerries, Phase II Site Investigation**

LOCATION **Barnageeragh Cove, Skerries**

CLIENT **Winsac Ltd.**





TRIALPIT CONSTRUCTION	SAMPLE		SOIL VAPOUR (ppm)	GROUNDWATER	DEPTH (m)	GEOLOGY	TRIALPIT NUMBER: TP33		PAGE 1 OF 1	
	NUMBER	TYPE					EXCAVATION DATE: 01/06/17		METHOD: TRACKED HYMAC	
							CONTRACTOR: Winsac Ltd		TRIALPIT DIMENSION: 2m x 3m	
							LOGGED BY: PMcC		GRID REF.: E323087 N260860	
							CHECKED BY: PM		ELEVATION: approx.24.80m AOD	
						DESCRIPTION	COMMENTS			
SO-TP33-01						0	brown/dark brown sandy gravelly SILT/CLAY some angular & sub-angular cobbles	No evidence of VOC/Hydrocarbon contamination	0	
						0.5	light brown/brown fine SAND very occasional gravel	No evidence of VOC/Hydrocarbon contamination	0.5	
						1.5	brown/dark brown courser gravelly SAND some sub-angular & sub-rounded cobbles	No evidence of VOC/Hydrocarbon contamination	1.5	
						2.5	Terminated at 2.5m- Due to sufficient depth		2.5	
						3.0			3.0	
						3.5			3.5	
						4.0			4.0	
						4.5			4.5	
						5.0			5.0	

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LOCATION / NOTES:

no waste

LEGEND

- Disturbed Sample
- Undisturbed Sample
- \* Headspace Analysis
- † Down Borehole Analysis
- ▼ Groundwater Table
- ▽ Perched Water Table

**TRIALPIT LOG**

JOB TITLE **Skerries, Phase II Site Investigation**

LOCATION **Barnageeragh Cove, Skerries**

CLIENT **Winsac Ltd.**



TRIALPIT CONSTRUCTION	SAMPLE		SOIL VAPOUR (ppm)	GROUNDWATER	DEPTH (m)	GEOLOGY	TRIALPIT NUMBER: TP34		PAGE 1 OF 1	
	NUMBER	TYPE					EXCAVATION DATE: 02/06/17		METHOD: TRACKED HYMAC	
							CONTRACTOR: Winsac Ltd		TRIALPIT DIMENSION: 2m x 3m	
							LOGGED BY: PMcC		GRID REF.: E323275 N260860	
							CHECKED BY: PM		ELEVATION: approx. 15.85m AOD	
							DESCRIPTION	COMMENTS		
					0		brown sandy gravelly gravelly SILT/CLAY	No evidence of VOC/Hydrocarbon contamination	0	
					0.5		light brown/brown SAND occasional gravel		0.5	
					1.0		dark brown SAND occasional gravel	No evidence of VOC/Hydrocarbon contamination	1.0	
					1.5		orange/brown SAND some gravel		1.5	
					2.0		dark brown SAND some gravel sub-angular & sub-rounded cobbles	No evidence of VOC/Hydrocarbon contamination	2.0	
					2.1		Terminated at 2.1m Due to sufficient depth		2.1	
					2.5				2.5	
					3.0				3.0	
					3.5				3.5	
					4.0				4.0	
					4.5				4.5	
					5.0				5.0	

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LOCATION / NOTES:

no sample

LEGEND

- Disturbed Sample
- Undisturbed Sample
- \* Headspace Analysis
- † Down Borehole Analysis
- ▼ Groundwater Table
- ▽ Perched Water Table

**TRIALPIT LOG**

JOB TITLE **Skerries, Phase II Site Investigation**


LOCATION **Barnageeragh Cove, Skerries**












CLIENT **Winsac Ltd.**



TRIALPIT CONSTRUCTION	SAMPLE		SOIL VAPOUR (ppm)	GROUNDWATER	DEPTH (m)	GEOLOGY	TRIALPIT NUMBER: TP35		PAGE 1 OF 1	
	NUMBER	TYPE					EXCAVATION DATE: 02/06/17		METHOD: TRACKED HYMAC	
							CONTRACTOR: Winsac Ltd		TRIALPIT DIMENSION: 2m x 3m	
							LOGGED BY: PMcC		GRID REF.: E323258 N260841	
							CHECKED BY: PM		ELEVATION: approx. 15.58m AOD	
							DESCRIPTION		COMMENTS	
					0		dark brown TOPSOIL	No evidence of VOC/Hydrocarbon contamination	0	
					0.5		dark grey sandy very gravelly CLAY/SILT	No evidence of VOC/Hydrocarbon contamination	0.5	
					1.0		dark brown sandy gravelly CLAY/SILT	No evidence of VOC/Hydrocarbon contamination	1.0	
					1.5		dark brown sandy gravelly CLAY/SILT	No evidence of VOC/Hydrocarbon contamination	1.5	
					2.0		dark brown sandy gravelly CLAY/SILT	No evidence of VOC/Hydrocarbon contamination	2.0	
					2.5		soft dark brown sandy gravelly CLAY/SILT	No evidence of VOC/Hydrocarbon contamination	2.5	
					3.0		clayey very sandy GRAVEL frequent rounded, sub-rounded & sub-angular cobbles	No evidence of VOC/Hydrocarbon contamination	3.0	
					3.0		Terminated at 3.0m - Due to ingress of water	No evidence of VOC/Hydrocarbon contamination	3.0	
					3.5				3.5	
					4.0				4.0	
					4.5				4.5	
					5.0				5.0	







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<u>LOCATION / NOTES:</u>	<u>LEGEND</u>	<b>TRIALPIT LOG</b>	
	☒ Disturbed Sample	JOB TITLE	<b>Skerries, Phase II Site Investigation</b>
	■ Undisturbed Sample	LOCATION	<b>Barnageeragh Cove, Skerries</b>
	* Headspace Analysis	CLIENT	<b>Winsac Ltd.</b>
	† Down Borehole Analysis		
▼ Groundwater Table			
▽ Perched Water Table			

TRIALPIT CONSTRUCTION	SAMPLE		SOIL VAPOUR (ppm)	GROUNDWATER	DEPTH (m)	GEOLOGY	TRIALPIT NUMBER: TP36		PAGE 1 OF 1	
	NUMBER	TYPE					EXCAVATION DATE: 04/07/17	METHOD: TRACKED HYMAC		
							CONTRACTOR: Winsac Ltd	TRIALPIT DIMENSION: 1m x 3m		
							LOGGED BY: PMcC & PR	GRID REF.: E 323218 N 260836		
							CHECKED BY: PM	ELEVATION: approx. 18.2m AOD		
							DESCRIPTION	COMMENTS		
					0		light brown sandy GRAVEL with occasional rounded & sub-rounded cobbles	No evidence of VOC/Hydrocarbon contamination	0	
					0.5		dark brown sandy SILT/CLAY (MADE GROUND) with occasional gravel & pockets of brown sand	No evidence of VOC/Hydrocarbon contamination	0.5	
					1.0		Pieces of plastics, metal, felt, broken glass, ceramics and glass bottles identified from 0.2m - 3.2m	No evidence of VOC/Hydrocarbon contamination	1.0	
					1.5			No evidence of VOC/Hydrocarbon contamination	1.5	
					2.0			No evidence of VOC/Hydrocarbon contamination	2.0	
					2.5			No evidence of VOC/Hydrocarbon contamination	2.5	
					3.0		dark brown sandy SILT/CLAY with pockets of dark grey / black gravelly CLAY some plastics identified	No evidence of VOC/Hydrocarbon contamination	3.0	
					3.5		Terminated at 3.2m - Due to obstruction at base of trial pit		3.5	
					4.0				4.0	
					4.5				4.5	
					5.0				5.0	

LOCATION / NOTES:

LEGEND

-  Disturbed Sample
-  Undisturbed Sample
-  Headspace Analysis
-  Down Borehole Analysis
-  Groundwater Table
-  Perched Water Table

TRIALPIT LOG

JOB TITLE **Skerries, Phase II Site Investigation**

LOCATION **Barnageeragh Cove, Skerries**

CLIENT **Winsac Ltd.**



TRIALPIT CONSTRUCTION	SAMPLE		SOIL VAPOUR (ppm)	GROUNDWATER	DEPTH (m)	GEOLOGY	TRIALPIT NUMBER: TP37		PAGE 1 OF 1	
	NUMBER	TYPE					EXCAVATION DATE: 04/07/17		METHOD: TRACKED HYMAC	
							CONTRACTOR: Winsac Ltd		TRIALPIT DIMENSION: 1m x 3m	
							LOGGED BY: PMcC & PR		GRID REF.: E323230 N260825	
							CHECKED BY: PM		ELEVATION: approx. 17.10m	
						DESCRIPTION	COMMENTS			
SO-TP37-01						0	light brown sandy GRAVEL with occasional rounded & sub-rounded cobbles	No evidence of VOC/Hydrocarbon contamination	0	
						0.5			0.5	
						1.0			1.0	
						1.5	dark brown sandy SILT/CLAY (MADE GROUND) with occasional sub-angular gravel & cobbles	No evidence of VOC/Hydrocarbon contamination	1.5	
						2.0			2.0	
						2.5	Pieces of plastic, metal, broken glass, ceramics, toys, felt, wire, timber, some bricks and glass bottles identified		2.5	
						3.0			3.0	
						3.5			3.5	
						4.0	Terminated at 3.7m - Due to limit of excavator reach		4.0	
						4.5			4.5	
						5.0			5.0	

LOCATION / NOTES:

LEGEND

- Disturbed Sample
- Undisturbed Sample
- \* Headspace Analysis
- † Down Borehole Analysis
- ▼ Groundwater Table
- ▽ Perched Water Table

TRIALPIT LOG

JOB TITLE **Skerries, Phase II Site Investigation**

LOCATION **Barnageeragh Cove, Skerries**

CLIENT **Winsac Ltd.**



TRIALPIT CONSTRUCTION	SAMPLE		SOIL VAPOUR (ppm)	GROUNDWATER	DEPTH (m)	GEOLOGY	TRIALPIT NUMBER: TP38		PAGE 1 OF 1		
	NUMBER	TYPE					EXCAVATION DATE: 04/07/17		METHOD: TRACKED HYMAC		
							CONTRACTOR: Winsac Ltd		TRIALPIT DIMENSION: 1m x 3m		
							LOGGED BY: PMcC & PR		GRID REF.: E323243 N 260813		
							CHECKED BY: PM		ELEVATION: approx. 17.22m AOD		
						DESCRIPTION		COMMENTS			
SO-TP38-01								light brown sandy GRAVEL with occasional rounded & sub-rounded cobbles		No evidence of VOC/Hydrocarbon contamination	0
								dark brown / very dark brown sandy SILT/CLAY (MADE GROUND)  with occasional sub-angular gravel & cobbles		No evidence of VOC/Hydrocarbon contamination	0.5
								Pieces of plastic, metal, broken glass, felt, timber, ash and glass bottles identified  Tyre & wheel rim identified at 3.0m			1.0
								Terminated at 3.6m - Due to obstruction at trial pit base			1.5
									2.0		
									2.5		
									3.0		
									3.5		
									4.0		
									4.5		
									5.0		

LOCATION / NOTES:	<u>LEGEND</u>		<b>TRIALPIT LOG</b>	
		Disturbed Sample	JOB TITLE <b>Skerries, Phase II Site Investigation</b>	
		Undisturbed Sample	LOCATION <b>Barnageeragh Cove, Skerries</b>	
		Headspace Analysis	CLIENT <b>Winsac Ltd.</b>	
		Down Borehole Analysis		
	Groundwater Table			
	Perched Water Table			


TRIALPIT CONSTRUCTION	SAMPLE		SOIL VAPOUR (ppm)	GROUNDWATER	DEPTH (m)	GEOLOGY	TRIALPIT NUMBER: TP39		PAGE 1 OF 1	
	NUMBER	TYPE					EXCAVATION DATE: 11/08/17		METHOD: TRACKED HYMAC	
							CONTRACTOR: Winsac Ltd		TRIALPIT DIMENSION: 1m x 3m	
							LOGGED BY: PMcC & PR		GRID REF.: E323290.12 N260840.9223	
							CHECKED BY: PM		ELEVATION: approx. 15.74 m AOD	
						DESCRIPTION		COMMENTS		
						0			<p>No evidence of VOC/Hydrocarbon contamination</p> <p>No evidence of VOC/Hydrocarbon contamination</p> <p>No evidence of VOC/Hydrocarbon contamination</p> <p>No evidence of VOC/Hydrocarbon contamination</p> <p>No evidence of VOC/Hydrocarbon contamination</p>	<p>0</p> <p>0.5</p> <p>1.0</p> <p>1.5</p> <p>2.0</p> <p>2.5</p> <p>3.0</p> <p>3.5</p> <p>4.0</p> <p>4.5</p> <p>5.0</p>
						0.5				
						1.0				
						1.5				
						2.0				
						2.5				
						3.0				
						3.5				
						4.0				
						4.5				
						5.0				

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<p><u>LOCATION / NOTES:</u></p> <p>Groundwater ingress observed at 2.1m</p> <p>No domestic waste evident in trialpit</p>	<p><u>LEGEND</u></p> <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> Disturbed Sample</li> <li><input type="checkbox"/> Undisturbed Sample</li> <li>* Headspace Analysis</li> <li>† Down Borehole Analysis</li> <li>▼ Groundwater Table</li> <li>▽ Perched Water Table</li> </ul>	<b>TRIALPIT LOG</b>	
		JOB TITLE	<b>Skerries, Phase II Site Investigation</b>
		LOCATION	<b>Barnageeragh Cove, Skerries</b>
		CLIENT	<b>Winsac Ltd.</b>

TRIALPIT CONSTRUCTION	SAMPLE		SOIL VAPOUR (ppm)	GROUNDWATER	DEPTH (m)	GEOLOGY	TRIALPIT NUMBER: TP40		PAGE 1 OF 1	
	NUMBER	TYPE					EXCAVATION DATE: 11/08/17		METHOD: TRACKED HYMAC	
							CONTRACTOR: Winsac Ltd		TRIALPIT DIMENSION: 1m x 3m	
							LOGGED BY: PMcC & PR		GRID REF.: E323306.2736 N260889.807	
							CHECKED BY: PM		ELEVATION: Approx. 15.50 m AOD	
						DESCRIPTION		COMMENTS		
						0		brown silty gravelly SAND	No evidence of VOC/Hydrocarbon contamination	0
						0.5				0.5
						1.0		rounded GRAVEL / PEBBLES		1.0
						1.5		soft/firm brown/grey/orange gravelly sandy CLAY	No evidence of VOC/Hydrocarbon contamination	1.5
						2.0		angular COBBLES (SHALE)	No evidence of VOC/Hydrocarbon contamination	2.0
						2.5		Terminated at 2.2m - Sufficient to determine the depth to indigenous ground		2.5
						3.0				3.0
						3.5				3.5
						4.0				4.0
						4.5				4.5
						5.0				5.0

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<u>LOCATION / NOTES:</u>          	<u>LEGEND</u>	<b>TRIALPIT LOG</b>	
	<input checked="" type="checkbox"/> Disturbed Sample	JOB TITLE <b>Skerries, Phase II Site Investigation</b>	
	<input type="checkbox"/> Undisturbed Sample	LOCATION <b>Barnageeragh Cove, Skerries</b>	
	* Headspace Analysis	CLIENT <b>Winsac Ltd.</b>	
	† Down Borehole Analysis		
▼ Groundwater Table			
▽ Perched Water Table			



TRIALPIT CONSTRUCTION	SAMPLE		SOIL VAPOUR (ppm)	GROUNDWATER	DEPTH (m)	GEOLOGY	TRIALPIT NUMBER: TP41		PAGE 1 OF 1	
	NUMBER	TYPE					EXCAVATION DATE: 11/08/17	METHOD: TRACKED HYMAC		
							CONTRACTOR: Winsac Ltd	TRIALPIT DIMENSION: 1m x 3m		
							LOGGED BY: PMcC & PR	GRID REF.: E323290.8556 N260864.55		
							CHECKED BY: PM	ELEVATION: approx. 15.69 m AOD		
						DESCRIPTION	COMMENTS			
					0	Brown gravelly SILT/CLAY	No evidence of VOC/Hydrocarbon contamination	0		
					0.5	Orange brown gravelly SAND	No evidence of VOC/Hydrocarbon contamination	0.5		
					1.0	grey fine SAND	No evidence of VOC/Hydrocarbon contamination	1.0		
					1.5	dark brown/grey gravelly very sandy SILT some COBBLES	No evidence of VOC/Hydrocarbon contamination	1.5		
					2.0			2.0		
					2.5	soft dark brown/grey gravelly CLAY/SILT	No evidence of VOC/Hydrocarbon contamination	2.5		
					3.0	Terminated at 2.9m - Sufficient to determine the depth to indigenous ground		3.0		
					3.5			3.5		
					4.0			4.0		
					4.5			4.5		
					5.0			5.0		

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LOCATION / NOTES:

LEGEND

- Disturbed Sample
- Undisturbed Sample
- \* Headspace Analysis
- † Down Borehole Analysis
- ▼ Groundwater Table
- ▽ Perched Water Table

**TRIALPIT LOG**




JOB TITLE **Skerries, Phase II Site Investigation**








LOCATION **Barnageeragh Cove, Skerries**

CLIENT **Winsac Ltd.**










TRIALPIT CONSTRUCTION	SAMPLE		SOIL VAPOUR (ppm)	GROUNDWATER	DEPTH (m)	GEOLOGY	TRIALPIT NUMBER: TP42		PAGE 1 OF 1	
	NUMBER	TYPE					EXCAVATION DATE: 11/08/17		METHOD: TRACKED HYMAC	
							CONTRACTOR: Winsac Ltd		TRIALPIT DIMENSION: 1m x 3m	
							LOGGED BY: PMcC & PR		GRID REF.: E323276 N260897	
							CHECKED BY: PM		ELEVATION: approx. 15.26m AOD	

DESCRIPTION	COMMENTS
 <p>brown gravelly SILT/CLAY</p>	No evidence of VOC/Hydrocarbon contamination
 <p>brown/grey/orange soft/firm gravelly sandy CLAY with lenses of SAND</p>	No evidence of VOC/Hydrocarbon contamination
 <p>angular COBBLES (SHALE)</p>	No evidence of VOC/Hydrocarbon contamination
<p>Terminated at 2.4m - Sufficient to determine the depth to indigenous ground</p>	

<u>LOCATION / NOTES:</u>  	<u>LEGEND</u>  Disturbed Sample  Undisturbed Sample  Headspace Analysis  Down Borehole Analysis  Groundwater Table  Perched Water Table	<b>TRIALPIT LOG</b>	
		JOB TITLE <b>Skerries, Phase II Site Investigation</b>	
		LOCATION <b>Barnageeragh Cove, Skerries</b>	
		CLIENT <b>Winsac Ltd.</b>	
			

TRIALPIT CONSTRUCTION	SAMPLE		SOIL VAPOUR (ppm)	GROUNDWATER	DEPTH (m)	GEOLOGY	TRIALPIT NUMBER: TP43		PAGE 1 OF 1	
	NUMBER	TYPE					EXCAVATION DATE: 11/08/17	METHOD: TRACKED HYMAC		
							CONTRACTOR: Winsac Ltd	TRIALPIT DIMENSION: 1m x 3m		
							LOGGED BY: PMcC & PR	GRID REF.: E323234.948 N260915.1179		
							CHECKED BY: PM	ELEVATION: Approx. 15.24 m AOD		
							DESCRIPTION	COMMENTS		
				0			brown sandy gravelly SILT (MADE GROUND) some construction and demolition waste (concrete and timber)	No evidence of VOC/Hydrocarbon contamination	0	
				0.5			brown gravelly fine SAND	No evidence of VOC/Hydrocarbon contamination	0.5	
				1.0			orangy brown gravelly SAND	No evidence of VOC/Hydrocarbon contamination	1.0	
				1.5			brown gravelly fine SAND	No evidence of VOC/Hydrocarbon contamination	1.5	
				2.0			soft dark brown gravelly CLAY/SILT	No evidence of VOC/Hydrocarbon contamination	2.0	
				2.5			firm dark brown gravelly CLAY	No evidence of VOC/Hydrocarbon contamination	2.5	
				3.0			Terminated at 2.6m - Sufficient to determine the depth to indigenous ground		3.0	
				3.5					3.5	
				4.0					4.0	
				4.5					4.5	
				5.0					5.0	

<p><u>LOCATION / NOTES:</u></p> <p>Groundwater seepage at base of trialpit after trialpit was left open for approx. 45 minutes</p>	<p><u>LEGEND</u></p> <ul style="list-style-type: none"> <li> Disturbed Sample</li> <li> Undisturbed Sample</li> <li> Headspace Analysis</li> <li> Down Borehole Analysis</li> <li> Groundwater Table</li> <li> Perched Water Table</li> </ul>	<b>TRIALPIT LOG</b>	
		JOB TITLE	<b>Skerries, Phase II Site Investigation</b>
		LOCATION	<b>Barnageeragh Cove, Skerries</b>
		CLIENT	<b>Winsac Ltd.</b>
			

TRIALPIT CONSTRUCTION	SAMPLE		SOIL VAPOUR (ppm)	GROUNDWATER	DEPTH (m)	GEOLOGY	TRIALPIT NUMBER: TP44		PAGE 1 OF 1	
	NUMBER	TYPE					EXCAVATION DATE: 11/08/17	METHOD: TRACKED HYMAC		
							CONTRACTOR: Winsac Ltd	TRIALPIT DIMENSION: 1m x 3m		
							LOGGED BY: PMcC & PR	GRID REF.: E323238.11 N260887.09		
							CHECKED BY: PM	ELEVATION: Approx. 15.55 m AOD		
							DESCRIPTION	COMMENTS		
					0		brown gravelly SILT/CLAY	No evidence of VOC/Hydrocarbon contamination	0	
					0.5		orangy brown sandy CLAY	No evidence of VOC/Hydrocarbon contamination	0.5	
					1.0		dark brown gravelly fine SAND (some angular, sub-angular, subrounded and rounded cobbles)	No evidence of VOC/Hydrocarbon contamination	1.0	
					1.5				1.5	
					2.0				2.0	
					2.5		soft dark brown gravelly CLAY	No evidence of VOC/Hydrocarbon contamination	2.5	
					3.0		Terminated at 2.8m - Sufficient to determine the depth to indigenous ground		3.0	
					3.5				3.5	
					4.0				4.0	
					4.5				4.5	
					5.0				5.0	

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LOCATION / NOTES:

LEGEND

- Disturbed Sample
- Undisturbed Sample
- Headspace Analysis
- Down Borehole Analysis
- Groundwater Table
- Perched Water Table

**TRIALPIT LOG**

JOB TITLE **Skerries, Phase II Site Investigation**

LOCATION **Barnageeragh Cove, Skerries**

CLIENT **Winsac Ltd.**



TRIALPIT CONSTRUCTION	SAMPLE		SOIL VAPOUR (ppm)	GROUNDWATER	DEPTH (m)	GEOLOGY	TRIALPIT NUMBER: TP45		PAGE 1 OF 1	
	NUMBER	TYPE					EXCAVATION DATE: 11/08/17		METHOD: TRACKED HYMAC	
							CONTRACTOR: Winsac Ltd		TRIALPIT DIMENSION: 1m x 3m	
							LOGGED BY: PMcC & PR		GRID REF.: E323263.206 N260877.54	
							CHECKED BY: PM		ELEVATION: approx. 15.60 m AOD	
							DESCRIPTION	COMMENTS		
					0		Brown gravelly SILT/CLAY	No evidence of VOC/Hydrocarbon contamination	0	
					0.5		orangy brown silty SAND	No evidence of VOC/Hydrocarbon contamination	0.5	
					1.0		dark brown/grey gravelly fine SAND (some cobbles)	No evidence of VOC/Hydrocarbon contamination	1.0	
					1.5		black coarse SAND		1.5	
					2.0		soft brown gravelly CLAY/SILT		2.0	
					2.5				2.5	
					3.0		Terminated at 2.9m - Sufficient to determine the depth to indigenous ground		3.0	
					3.5				3.5	
					4.0				4.0	
					4.5				4.5	
					5.0				5.0	

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LOCATION / NOTES:

LEGEND

- Disturbed Sample
- Undisturbed Sample
- Headspace Analysis
- Down Borehole Analysis
- Groundwater Table
- Perched Water Table

**TRIALPIT LOG**

JOB TITLE **Skerries, Phase II Site Investigation**

LOCATION **Barnageeragh Cove, Skerries**







CLIENT **Winsac Ltd.**



TRIALPIT CONSTRUCTION	SAMPLE		SOIL VAPOUR (ppm)	GROUNDWATER	DEPTH (m)	GEOLOGY	TRIALPIT NUMBER: TP46		PAGE 1 OF 1	
	NUMBER	TYPE					EXCAVATION DATE: 11/08/17		METHOD: TRACKED HYMAC	
							CONTRACTOR: Winsac Ltd		TRIALPIT DIMENSION: 1m x 3m	
							LOGGED BY: PMcC & PR		GRID REF.: E323223.3048 N260887.69	
							CHECKED BY: PM		ELEVATION: Approx. 16.17 MAOD	
							DESCRIPTION	COMMENTS		
					0				0	
					0.5		brown gravelly SILT/CLAY	No evidence of VOC/Hydrocarbon contamination	0.5	
					1.0		redy brown very gravelly SAND (medium -coarse) (some angular, subangular, rounded and subrounded cobbles)	No evidence of VOC/Hydrocarbon contamination	1.0	
					1.5				1.5	
					2.0		dark brown gravelly sandy SILT/CLAY (some cobbles)	No evidence of VOC/Hydrocarbon contamination	2.0	
					2.5		stiff very stiff grey gravelly CLAY		2.5	
					3.0		Terminated at 2.6m - Sufficient to determine the depth to indigenous ground		3.0	
					3.5				3.5	
					4.0				4.0	
					4.5				4.5	
					5.0				5.0	

LOCATION / NOTES:

LEGEND

-  Disturbed Sample
-  Undisturbed Sample
-  Headspace Analysis
-  Down Borehole Analysis
-  Groundwater Table
-  Perched Water Table

TRIALPIT LOG

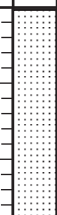

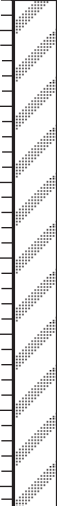

JOB TITLE **Skerries, Phase II Site Investigation**

LOCATION **Barnageeragh Cove, Skerries**


CLIENT **Winsac Ltd.**



TRIALPIT CONSTRUCTION	SAMPLE		SOIL VAPOUR (ppm)	GROUNDWATER	DEPTH (m)	GEOLOGY	TRIALPIT NUMBER: TP47		PAGE 1 OF 1
							EXCAVATION DATE: 11/08/17	METHOD: TRACKED HYMAC	
	CONTRACTOR: Winsac Ltd						TRIALPIT DIMENSION: 1m x 3m		
	LOGGED BY: PMcC & PR						GRID REF.: E323249.37 N260866.47		
	CHECKED BY: PM						ELEVATION: approx.15.96 m AOD		








DESCRIPTION	COMMENTS
0  brown gravelly SILT/CLAY (very small amount of plastics)	No evidence of VOC/Hydrocarbon contamination
0.5  reddy brown very gravelly SAND (medium - coarse) frequent cobbles	No evidence of VOC/Hydrocarbon contamination
1.0  dark brown gravelly SAND (medium) (some rounded and subrounded cobbles)	No evidence of VOC/Hydrocarbon contamination
2.0  stiff grey gravelly CLAY	No evidence of VOC/Hydrocarbon contamination
2.5 Terminated at 2.8m - Sufficient to determine the depth to indigenous ground	

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<u>LOCATION / NOTES:</u>	<u>LEGEND</u>	<b>TRIALPIT LOG</b>	
		JOB TITLE	<b>Skerries, Phase II Site Investigation</b>
		LOCATION	<b>Barnageeragh Cove, Skerries</b>
		CLIENT	<b>Winsac Ltd.</b>
			

TRIALPIT CONSTRUCTION	SAMPLE		SOIL VAPOUR (ppm)	GROUNDWATER	DEPTH (m)	GEOLOGY	TRIALPIT NUMBER: TP48		PAGE 1 OF 1	
	NUMBER	TYPE					EXCAVATION DATE: 11/08/17		METHOD: TRACKED HYMAC	
							CONTRACTOR: Winsac Ltd		TRIALPIT DIMENSION: 1m x 3m	
							LOGGED BY: PMcC & PR		GRID REF.: E323272.789 N260848.25	
							CHECKED BY: PM		ELEVATION: Approx. 15.84 m AOD	

							DESCRIPTION	COMMENTS	
				0	0	0			0
				0.5	0.5	0.5	brown gravelly SILT/CLAY	No evidence of VOC/Hydrocarbon contamination	0.5
				1.0	1.0	1.0			1.0
	SO-TP48-01	X		1.5	1.5	1.5			1.5
				2.0	2.0	2.0	very soft/soft grey gravelly SILT/CLAY	Faint hydrocarbon odour observed	2.0
				2.5	2.5	2.5	grey very sandy GRAVEL and COBBLES (round and subround)	No evidence of VOC/Hydrocarbon contamination	2.5
				3.0	3.0	3.0	Terminated at 2.8m - Sufficient to determine the depth to indigenous ground		3.0
				3.5	3.5	3.5			3.5
				4.0	4.0	4.0			4.0
				4.5	4.5	4.5			4.5
				5.0	5.0	5.0			5.0

<p><u>LOCATION / NOTES:</u></p> <p>Heavy subsidence of trialpit walls after 1.7m</p> <p>Took soil sample SO-TP48-01 from 1.7m - 2.4m to confirm the presence or absence of hydrocarbons</p> <p>Groundwater ingress noted at 2.4m</p>	<p><u>LEGEND</u></p> <ul style="list-style-type: none"> <li> Disturbed Sample</li> <li> Undisturbed Sample</li> <li> Headspace Analysis</li> <li> Down Borehole Analysis</li> <li> Groundwater Table</li> <li> Perched Water Table</li> </ul>	<p style="text-align: center;"><b>TRIALPIT LOG</b></p> <table border="1" style="width: 100%;"> <tr> <td style="width: 30%;">JOB TITLE</td> <td style="text-align: center;"><b>Skerries, Phase II Site Investigation</b></td> </tr> <tr> <td>LOCATION</td> <td style="text-align: center;"><b>Barnageeragh Cove, Skerries</b></td> </tr> <tr> <td>CLIENT</td> <td style="text-align: center;"><b>Winsac Ltd.</b></td> </tr> </table> <p style="text-align: right;"></p>	JOB TITLE	<b>Skerries, Phase II Site Investigation</b>	LOCATION	<b>Barnageeragh Cove, Skerries</b>	CLIENT	<b>Winsac Ltd.</b>
JOB TITLE	<b>Skerries, Phase II Site Investigation</b>							
LOCATION	<b>Barnageeragh Cove, Skerries</b>							
CLIENT	<b>Winsac Ltd.</b>							



TRIALPIT CONSTRUCTION	SAMPLE		SOIL VAPOUR (ppm)	GROUNDWATER	DEPTH (m)	GEOLOGY	TRIALPIT NUMBER: TP49		PAGE 1 OF 1	
	NUMBER	TYPE					EXCAVATION DATE: 01/06/18		METHOD: TRACKED HYMAC	
							CONTRACTOR: Winsac Ltd		TRIALPIT DIMENSION: 1m x 3m	
							LOGGED BY: PMcC		GRID REF.: E323137.99 N260825.05	
							CHECKED BY: PM		ELEVATION: Approx. 24.30m AOD	
						DESCRIPTION	COMMENTS			
SO-TP49-01						0	brown sandy v. gravelly SILT	No evidence of VOC/Hydrocarbon contamination	0	
						0.5	grey gravelly SILT/CLAY		0.5	
						1.0	dark brown gravelly SILT/CLAY small quantity of timber, plastics and C&D waste identified from 0.2m - 1.6m	No evidence of VOC/Hydrocarbon contamination	1.0	
						1.5	Terminated at 1.6m - Sufficient depth to achieve sample		1.5	
						2.0			2.0	
						2.5			2.5	
						3.0			3.0	
						3.5			3.5	
						4.0			4.0	
						4.5			4.5	
						5.0			5.0	

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**LOCATION / NOTES:**

Took soil sample SO-TP49-01 from 0.2m - 1.6m bgl to analyze for parameters including ammonia, nitrate & nitrite in aid in the development of the Detailed Quantitative Risk Assessment (ConSim)

**LEGEND**

- Disturbed Sample
- Undisturbed Sample
- \* Headspace Analysis
- † Down Borehole Analysis
- ▼ Groundwater Table
- ▽ Perched Water Table

**TRIALPIT LOG**

JOB TITLE **Skerries, Phase II Site Investigation**

LOCATION **Barnageeragh Cove, Skerries**

CLIENT **Winsac Ltd.**



TRIALPIT CONSTRUCTION	SAMPLE		SOIL VAPOUR (ppm)	GROUNDWATER	DEPTH (m)	GEOLOGY	TRIALPIT NUMBER: TP50		PAGE 1 OF 1	
	NUMBER	TYPE					EXCAVATION DATE: 01/06/16		METHOD: TRACKED HYMAC	
							CONTRACTOR: Winsac Ltd		TRIALPIT DIMENSION: 1m x 3m	
							LOGGED BY: PMcC		GRID REF.: E323137.49 N260830.89	
							CHECKED BY: PM		ELEVATION: Approx. 24.30m AOD	
							DESCRIPTION	COMMENTS		
					0		brown sandy gravelly SILT/CLAY small amount of plastics from 0.2m - 0.3m bgl	No evidence of VOC/Hydrocarbon contamination	0	
					0.5		brown grey fine SAND	No evidence of VOC/Hydrocarbon contamination	0.5	
					1.0		black CLAY/SILT	No evidence of VOC/Hydrocarbon contamination	1.0	
					1.5		orange/red sandy CLAY/SILT	No evidence of VOC/Hydrocarbon contamination	1.5	
					2.0		Terminated at 1.6m - Sufficient depth to achieve sample		2.0	
					2.5				2.5	
					3.0				3.0	
					3.5				3.5	
					4.0				4.0	
					4.5				4.5	
					5.0				5.0	

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<b>LOCATION / NOTES:</b>  Soil sample taken from 1.1m - 1.6m and analysed for parameters including ammonia, nitrate & nitrite to aid in the development of the Detailed Quantitative Risk Assessment (ConSim)	<b>LEGEND</b>  <input checked="" type="checkbox"/> Disturbed Sample <input type="checkbox"/> Undisturbed Sample * Headspace Analysis Down Borehole Analysis Groundwater Table Perched Water Table	<b>TRIALPIT LOG</b>	
		JOB TITLE	<b>Skerries, Phase II Site Investigation</b>
		LOCATION	<b>Barnageeragh Cove, Skerries</b>
		CLIENT	<b>Winsac Ltd.</b>

## APPENDIX 7

### TRIALPIT PHOTO LOGS

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**Plate A7.1 Photograph of soil profile from TP1**



**Plate A7.2 Photograph of dated newspaper identified in TP2**



Plate A7.3 Plate A7.1 Photograph of soil profile from TP3



Plate A7.4 Photograph of stockpile of excavated soil and waste from TP5



**Plate A7.5 Photograph of hydrocarbon staining on trialpit wall (TP7)**



**Plate A7.6 Photograph of soil profile from TP8**



**Plate A7.7 Photograph of material excavated from TP13**



**Plate A7.8 Photograph of material excavated from TP17**





**Plate A7.9 Photograph of material excavated from TP21**



**Plate A7.10 Photograph of soil profile from TP24**



**Plate A7.11 Photograph of soil profile from TP28**



**Plate A7.12 Photograph of soil profile from TP33**



Plate A7.13 Photograph of soil profile from TP36



Plate A7.14 Photograph of glass bottle excavated from TP36



**Plate A7.15 Photograph of soil profile from TP40**



**Plate A7.16 Photograph of soil profile from TP43 with made ground at the top of the trialpit and groundwater ingress at base**



**Plate A7.17 Photograph of soil profile from TP47**



**Plate A7.18 Photograph of soil profile from TP48 showing subsidence and groundwater ingress**

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