



GEOLOGICAL SURVEY OF GREAT BRITAIN  
RECORD OF SHAFT OR BORE FOR MINERALS

Name of Shaft or Bore given by Geological Survey:

LONDON-YORKSHIRE

598

Name and Number given by owner:

MOTORWAY

For whom made

Town or Village

County

Exact site

Attach a tracing from a map, or a sketch-map, if possible.

Purpose for which made

Ground Level at shaft relative to O.D.

If not ground level give O.D. of beginning of shaft bore

Made by

Date of sinking

Information from

Date received

Examined by

(For Survey use only)

6-inch Map Registered No.

SK46NE 77

Nat. Grid Reference

1" N.S. Map No.

1" O.S. Map No.

Confidential or not

SPECIMEN NUMBERS AND ADDITIONAL NOTES

(For Survey use only)  
GEOLOGICAL CLASSIFICATION

DESCRIPTION OF STRATA

THICKNESS

DEPTH

Ft

in.

Ft

in.

for samples.

v. red.

Opencast Backfill

Clay, brown, sandy, with sandstone fragments.

Coal.

Sandstone, grey, slightly silty.

3

0

8

0

13

0

15

0

Sandstone, grey, fine grained, with sparse carbonaceous micaceous partings.

Mudstone, grey, silty, in part very broken.

Mudstone, dark grey, carbonaceous, fine sand broken.

Coal.

Sandstone, silty, can fragment.

Plat fragments and thin stone nodules.

Siltstone, grey, with carbonaceous micaceous partings.

1

0

15

0

19

3

35

9

39

3

0

9

40

0

0

3

4

9

45

0

Base of Hole.



SK 46 NE 12  
RECORD OF BOREHOLE NO. 508A

Ground level : 316.8ft. above O.D. Newlyn (2.4.65)

Dia. of boring : 8X (18in. core) to 45ft.

Type of boring : Shell and Auger and  
Rotary Core Drilling

Lining tubes : 8in. to 17ft.  
8X (28in.) to 18ft.

Daily Progress	Core Recovery or Samples		Change of Strata		Description of Strata 4527 6532		
	Depth	Percentage or Type	Legend	Depth			O.D. Level
	2'0" - 3'6" 3'6" - 4'6" 4'6"	U(4) D D		2'0"	314.8	TOPSOIL	RECENT ALLUVIUM
	6'0" - 7'6" 7'6" - 8'6" 8'6"	U(4) D D		6'0"	310.8	Stiff friable mottled brown sandy and silty CLAY	
22.3.63	11'6" - 13'0" 13'0"	U(4) BD		11'6"	305.3	Very soft grey silty CLAY	
	13'0" - 17'0" 17'0"	BD		13'0"	303.8	Soft grey organic silty CLAY with pockets of peat	
23.3.63	17'0" - 18'0" 18'0"	BD		17'0"	299.8	Dark grey laminated SANDSTONE	COAL MEASURES
	18'0" - 19'0" 19'0"	100%		19'0"	297.8	Pale grey fine shaly SANDSTONE	
2.4.63	25'0"	43%					
	26'0" - 27'0" 27'0"	100%		27'0"	279.8	Broken grey SHALE, soapy near base	
3.4.63	40'0" - 40'9" 40'9"	50% 70%		40'9"	276.1	COAL	
4.4.63	45'0"	60%		45'0"	271.8	Gray sandy SHALE	
<p><b>Key to type of sample :</b> U (4) — 4 in. dia. undisturbed sample. U (1 1/2) — 1 1/2 in. dia. " " D — disturbed sample. " BD — bulk disturbed sample. W — water sample. S ( ) — standard penetration test. C ( ) — dynamic cone penetration test. No. in brackets gives No. of blows/12 in. penetration.</p> <p><b>Remarks : (Observations on ground-water, etc.)</b> No ground-water was encountered during boring.</p>							
MINISTRY OF TRANSPORT LONDON-YORKSHIRE MOTORWAY TROWELL TO BARLBOROUGH SECTION						Soils No : 3/3547 FIG. 229	



SK 46 NE 1  
RECORD OF BOREHOLE NO. 4598B

Ground level: 314.4ft. above O.D. Newlyn (24.7.63)

Dia. of boring: 8in.

Type of boring: Post-hole Auger

Lining tubes: Not used

Daily Progress	Core Recovery or Samples		Change of Strata			Description of Strata	
	Depth	Percentage or Type	Legend	Depth	O.D. Level		
29.5.63	1'6" - 3'0"	U(4) D		1'0"	313.4	TOPSOIL	RECENT ALLUVIUM
	3'0"					Firm mottled grey and brown slightly sandy silty CLAY	
	5'0"	D		5'6"	308.9		
	6'6" - 8'0"	U(4)		8'0"	306.4	Very soft grey silty CLAY with pockets of grey clayey peat	
	9'0"	D		10'0"	304.4	Dark brown clayey PEAT	
	9'0"	BD		12'0"	302.4	Very soft grey silty CLAY	
	10'6" - 12'0"	U(4) D		12'6"	301.9	COAL	COAL MEASURES
Key to type of sample: U (4) — 4 in. dia. undisturbed sample. U (1½) — 1½ in. dia. " " D — disturbed sample. BD — bulk disturbed sample. W — water sample. S ( ) — standard penetration test. C ( ) — dynamic cone penetration test. No. in brackets gives No. of blows/12 in. penetration.			Remarks: (Observations on ground-water, etc.)  Ground-water was first encountered at depth of 12ft. below ground level and rose to depth of 4ft. within 15 minutes. Sample of ground-water taken.				
MINISTRY OF TRANSPORT LONDON-YORKSHIRE MOTORWAY  TROWELL TO BARLBOROUGH SECTION						Soils No.: 3/3547  FIG. 230	



RECORD OF BOREHOLE NO. H598B/1

Ground level : 314.4ft. above O.D. Newlyn (24.7.63)

Dia. of boring : 6 in.

Type of boring: Post-hole Auger

Lining tubes: ..... Not used

Daily Progress	Core Recovery or Samples		Change of Strata			Description of Strata	
	Depth	Percentage or type	Legend	Depth	O.D. Level		
2.7.63				3'0"	311.4	TOPSOIL	RECENT ALLUVIUM
	3'0" - 7'0"	BD		7'0"	307.4	Soft grey silty CLAY	
	7'0" - 9'6"	BD		9'6"	304.9	PEAT	
	9'6"	D		11'0"	303.4	Soft grey silty CLAY	
<p><b>Key to type of sample :</b></p> <p>U (4) — 4 in. dia. undisturbed sample.  U (1½) — 1½ in. dia. " "  D — disturbed sample.  BD — bulk disturbed sample.  W — water sample.  S ( ) — standard penetration test.  C ( ) — dynamic cone penetration test.</p> <p>No. in brackets gives  No. of blows/12 in. penetration.</p> <p><b>Remarks : (Observations on ground-water, etc.)</b></p> <p>Ground-water was first encountered at depth of 3ft. below ground level.</p>							
<p>MINISTRY OF TRANSPORT  LONDON-YORKSHIRE MOTORWAY  TROWELL TO BARLBOROUGH SECTION</p>						<p>Soils No :  3/3547</p> <p>FIG. 231</p>	

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CENTRAL LABORATORY
HAY





**SK 46 NE 1**  
**RECORD OF BOREHOLE NO. H598B/2**

Ground level : 314.4ft. above O.D. Newlyn (24.7.63)

Dia. of boring : 8in.

Type of boring : Post-hole Auger

Lining tubes : Not used

Daily Progress	Core Recovery or Samples		Change of Strata			Description of Strata	
	Depth	Percentage or Type	Legend	Depth	O.D. Level		
2.7.63	1'0" - 3'0"	BD		1'0"	312.4	TOPSOIL	FULL RECENT ALLUVIUM
				3'0"	311.4	SANDSTONE fragments (presumed fill)	
	3'0" - 8'0"	BD				Soft grey silty CLAY	
	8'0" - 10'0"	BD		10'0"	304.4	PEAT	
	10'0" - 11'0"	BD		11'0"	309.4	Soft grey-brown very silty CLAY with some fine sand	




**RECORD OF BOREHOLE NO. H598B/3**

Ground level : 314.6ft. above O.D. Newlyn (24.7.63)

Dia. of boring : 8in.

Type of boring : Post-hole Auger

Lining tubes : Not used

Daily Progress	Core Recovery or Samples		Change of Strata			Description of Strata	
	Depth	Percentage or Type	Legend	Depth	O.D. Level		
3.7.63	1'0" - 3'0"	BD		1'0"	313.6	TOPSOIL	FULL RECENT ALLUVIUM
				3'0"	311.6	SANDSTONE fragments (presumed fill)	
						Soft grey CLAY	
	10'6"	D		10'6"	304.6	Shaly COAL	
				10'6"	302.1		

**Key to type of sample :**

U (4) — 4 in. dia. undisturbed sample.  
U (1 1/2) — 1 1/2 in. dia. " "  
D — disturbed sample. "  
BD — bulk disturbed sample.  
W — water sample.  
S { } — standard penetration test.  
C { } — dynamic cone penetration test.

No. in brackets gives  
No. of blows/12 in. penetration.

**Remarks : (Observations on ground-water, etc.)**

B.H.'s H598B/2 and H598B/3

Ground-water was first encountered at depth of 9ft. below ground level.

MINISTRY OF TRANSPORT  
LONDON-YORKSHIRE MOTORWAY  
TROWELL TO BARLBOROUGH SECTION

Soils No:  
S/3587

**FIG. 202**

## GEOLOGICAL SURVEY OF GREAT BRITAIN

## RECORD OF SHAFT OR BORE FOR MINERALS

Name of Shaft or Bore given by Geological Survey:

LONDON-YORKSHIRE

598 C

*(For Survey use only)*

6-inch Map Registered No.

SK46 NE 77

**Nat. Grid Reference**

**For whom made**

**Town or Village.**

**County.**

**Exact site.**

Attach a tracing from a map, or a sketch-map, if possible.

1" N.S. Map  
No.

1° O.S. Map  
No.

**Confidential**  
or not

Purpose for which made.

Ground Level at shaft bore relative to O.D.

If not ground level give O.D. of beginning of shaft bore.

**Made by**

Date of sinking.....1963

Information from Jer Sample

Date received 1963

Examined by D.N. Frost.

## SPECIMEN NUMBERS AND ADDITIONAL NOTES

[illegible]





SK46 NE  
RECORD OF BOREHOLE NO. 598C

Ground level : 312.1ft. above O.D. Newlyn [24.7.63.] Dia. of boring : 8in.

Type of boring : Shell and Auger Lining tubes : 8in. to 15ft.

Daily Progress	Core Recovery or Samples		Change of Strata			Description of Strata	
	Depth	Percentage or Type	Legend	Depth	O.D. Level		
				1'0"	311.1	TOPSOIL	
	1'6" - 3'0"	U(4) D		3'0"	309.1	Yellow slightly clayey SAND	
	3'0" - 5'0"	BD D					
	5'0" - 6'6"						
	6'6" - 8'0"	U(4) D		9'0"	303.1	Soft to firm grey-brown slightly organic clayey SILT	
	8'0" - 9'0"	D					
	9'0" - 11'0"	BD					
	11'6" - 13'0"	U(4) D		14'6"	297.6	Firm mottled grey and brown sandy CLAY with fragments of sandstone	
	13'0" - 15'0"	BD D					
	15'0" - 16'6"						
	16'6" - 18'0"	U(4) D		18'0"	294.1	Stiff to very stiff fissured grey shaly silty CLAY	
	18'0" - 19'0"	BD					
	19'0" - 22'0"	BD		22'0"	290.1	COAL	
	22'6" - 24'0"	U(4) D					
	24'0" - 26'0"	D					
	26'0" - 27'6"	BD		27'6"	284.6	Weathered grey SHALE	
	27'6" - 29'0"						
	29'0" - 31'5.63"	BD D					
	31'5.63"			36'0"	276.1	Weathered grey shaly SANDSTONE	

**Key to type of sample:**

U (4) — 4 in. dia. undisturbed sample.  
U (1 1/2) — 1 1/2 in. dia. " "  
D — disturbed sample. " "  
BD — bulk disturbed sample.  
W — water sample.  
S { } — standard penetration test.  
C { } — dynamic cone penetration test.  
No. in brackets gives  
No. of blows/12 in. penetration.

**Remarks: (Observations on ground-water, etc.)**

Ground-water was first encountered at depth of 10ft. and rose to 1ft. depth in 15 minutes. Sample of ground-water taken.

MINISTRY OF TRANSPORT  
LONDON-YORKSHIRE MOTORWAY  
TROWELL TO BARLBOROUGH SECTION

Solis No :  
8/5947

FIG-233

## GEOLOGICAL SURVEY OF GREAT BRITAIN

## RECORD OF SHAFT OR BORE FOR MINERALS

Name of Shaft or Bore given by Geological Survey:

Name of Shaft or Bore given by Geological Survey

528 I

Name and Number given by owner

**TWO TORWAY**

For whom made

Town or Village..

County.

Exact site.

Attach a tracing from a map, or a sketch-map, if possible.

Purpose for which made.

Ground Level at shaft bore relative to O.D. .... If not ground level give O.D. of beginning of shaft bore

If not ground level give O.D. of beginning of shaft here.

Made by

Date of sinking.....1963

Information from Far Sample Cont.

Date received 19.2

Examined by D.V. Frost. C.G. Bradley

## SPECIMEN NUMBERS AND ADDITIONAL NOTES

(For Survey use only) GEOLOGICAL CLASSIFICATION	DESCRIPTION OF STRATA	THICKNESS		DEPTH	
		Ft	in.	Ft	in.
for Sample.	Clay, brown, sandy, with sandstone fragments.			3	0
	Sandstone.			5	0
	Clay, brown, sandy, with sandstone fragments.			8	0
	Sandstone.			10	0
	Sandstone.			15	0
	Open cast Bactell (Washing from Dried and Water-lane corals) Contains 70% light, not crushed Sandstone and mudstone grains.			30	0
				39	0
	Mudstone, gray, silty.				
	Core fragmentary (Open cast Bactell).				
	Sandstone, gray, fine grained medium.				
	Contains fairly common plant material.				
	Carbonaceous micaceous partings.	16	6	55	6
	Mudstone, gray, silty.	0	6	56	0

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SK 46 NE 1  
RECORD OF BOREHOLE NO. H598D

Ground level : 322.8ft. above O.D. Newlyn (24.7.63)

Dia. of boring : 8in.

Type of boring : Post-hole Auger

Lining tubes : Not used

Daily Progress	Core Recovery - or Samples		Change of Strata			Description of Strata
	Depth	Percentage or Type	Legend	Depth	O.D. Level	
1.7.63	2'0" - 4'0"	BD		2'0"	320.8	TOPSOIL
				4'0"	318.8	Grey-brown silty CLAY
	4'0" - 10'0"	BD				Grey slightly organic clayey SILT
	10'0" - 12'6"	BD		10'0"	312.8	Grey clayey SILT with traces of shaly coal
				12'6"	310.3	

Key to type of sample :

U (4) - 4 in. dia. undisturbed sample.  
U (1½) - 1½ in. dia. " "  
D - disturbed sample.  
BD - bulk disturbed sample.  
W - water sample.  
S ( ) - standard penetration test.  
C ( ) - dynamic cone penetration test.  
No. in brackets gives  
No. of blows/12 in. penetration.

Remarks : (Observations on ground-water, etc.)

Ground-water was first encountered at depth of 3ft. below ground level.

MINISTRY OF TRANSPORT  
LONDON-YORKSHIRE MOTORWAY  
TROWELL TO BARLBOROUGH SECTION

Soils No :  
3/9547

FIG. 234

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SK 46 NE 1  
RECORD OF BOREHOLE NO. 5980/II

Ground level : 322.8ft. above O.D. Newlyn (24.7.63.) Dia. of boring : 1 1/2 in. (2 1/2 in. core)  
Type of boring : Rotary Core Drilling Lining tubes : H (Min.) to 40ft.

Daily Progress	Core Recovery or Samples		Change of Strata			Description of Strata	
	Depth	Percentage or Type	Legend	Depth	O.D. Level		
	0'0"					FILL (broken sandstone, shale and mudstone with sandy clay and silt)	FILL
28.6.63.	30'0"						
	39'0"			39'0"	283.8		
29.6.63.	41'0"					Weathered and broken grey MUDSTONE (Probable Fill)	FILL?
	49'0"	39%		46'0"	276.8		
	54'6"	100%		54'6"	268.3	Green fine SANDSTONE, laminated at top, with incipient and open vertical fissures and becoming muddy with depth	COAL MEASURES
1.7.63.	56'0"	67%		56'0"	266.8		
						Vertically fissured grey MUDSTONE	
Key to type of sample :			Remarks : (Observations on ground-water, etc.)				
U (4) — 4 in. dia. undisturbed sample. U (1 1/2) — 1 1/2 in. dia. " " D — disturbed sample. BD — bulk disturbed sample. W — water sample. S ( ) — standard penetration test. C ( ) — dynamic cone penetration test. No. in brackets gives No. of blows/12 in. penetration.			Ground-water was first encountered at depth of 13ft. below ground level.				
MINISTRY OF TRANSPORT LONDON-YORKSHIRE MOTORWAY TROWELL TO BARLBOROUGH SECTION						Soils No : S/3547	FIG.236

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HAYES



SK 46 NE 1  
RECORD OF BOREHOLE NO. H598E

Ground level : 314.4ft. above O.D. Newlyn (24.7.63)

Dia. of boring : 8in.

Type of boring : Post-hole Auger

Lining tubes : Not used

Daily Progress	Core Recovery or Samples		Change of Strata			Description of Strata SK46NE77	RECENT ALLUVIUM & COAL MEASURES
	Depth	Percentage or Type	Legend	Depth	O.D. Level		
1.7.63	2'0" - 5'0"	BD		2'0"	312.4	TOPSOIL	
				5'0"	309.4	Grey-brown sandy CLAY	
	5'0" - 11'0"	BD				Grey clayey SILT	
	11'0" - 12'0"	BD		11'0"	303.4	Shaly COAL	
	12'0" - 14'0"	BD		12'0"	302.4	Brown sandy CLAY with black shale fragments	
				14'0"	300.4		
<b>Key to type of sample :</b> U (4) — 4 in. dia. undisturbed sample. U (1 1/2) — 1 1/2 in. dia. " " D — disturbed sample. BD — bulk disturbed sample. W — water sample. S ( ) — standard penetration test. C ( ) — dynamic cone penetration test. No. in brackets gives No. of blows/12 in. penetration.			<b>Remarks : (Observations on ground-water, etc.)</b>  Ground-water was first encountered at depth of 3ft. below ground level.				
MINISTRY OF TRANSPORT LONDON-YORKSHIRE MOTORWAY TROWELL TO BARLBOROUGH SECTION						Soils No : 3/3587  FIG.237	

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HAYES





SK46NE1  
RECORD OF BOREHOLE NO. H598F/1

Ground level : 313.5ft. above O.D. Newlyn (24.7.63)

Dia. of boring : 8in.

Type of boring : Post-hole Auger

Lining tubes : Not used

Daily Progress	Core Recovery of Samples		Change of Strata			Description of Strata	
	Depth	Percentage or Type	Legend	Depth	O.D. Level		
3.7.63				1'0"	312.5	TOPSOIL	RECENT ALLUVIUM
				3'0"	310.5	Soft brown CLAY	
	3'0" - 7'6"	BD		7'6"	306.0	Soft grey silty CLAY with traces of peat	
	7'6" - 9'0"	BD		9'0"	304.5	PEAT	
	9'0" - 10'0"	BD		10'0"	303.5	Soft grey clayey SILT with some pockets of fine sand, occasional mudstone fragments	

RECORD OF BOREHOLE NO. H598F/2

Ground level : 313.7ft. above O.D. Newlyn (24.7.63)

Dia. of boring : 8in.

Type of boring : Post-hole Auger

Lining tubes : Not used

4.7.63	1'0" - 3'6"	BD		1'0"	312.7	TOPSOIL	RECENT ALLUVIUM
	3'6" - 5'0"	BD		3'6"	310.2	SANDSTONE fragments (presumed fill)	
				5'0"	308.7	Soft grey-brown silty CLAY	
	7'6" - 9'6"	BD		7'6"	306.2	Soft grey CLAY with traces of peat	
	9'6" - 11'0"	BD		9'6"	304.2	PEAT	
				11'0"	302.7	Soft grey clayey SILT	

Key to type of sample :

U (4) — 4 in. dia. undisturbed sample.  
U (1½) — 1½ in. dia. " "  
D — disturbed sample.  
BD — bulk disturbed sample.  
W — water sample.  
S ( ) — standard penetration test.  
C ( ) — dynamic cone penetration test.

No. in brackets gives  
No. of blows/12 in. penetration.

Remarks : (Observations on ground-water, etc.)

B.H.'s H598F/1 and H598F/2

Ground-water was first encountered at depth of 3ft. below ground level.

MINISTRY OF TRANSPORT  
LONDON-YORKSHIRE MOTORWAY  
TROWELL TO BARLBOROUGH SECTION

Soils No:  
S/3587

FIG.23

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SK 46 NE 1  
RECORD OF BOREHOLE NO. H598GV1

Ground level : 313.1ft. above O.D. Newlyn (24.7.63)

Dia. of boring : 8in.

Type of boring : Post-hole Auger

Lining tubes : Not used

Daily Progress	Core Recovery or Samples		Change of Strata			Description of Strata
	Depth	Percentage or Type	Legend	Depth	O.D. Level	
4.7.63	1'0" - 3'0"	BD		1'0"	312.1	TOPSOIL
				3'0"	310.1	Soft brown silty sandy CLAY
	3'0" - 8'0"	BD				Soft grey clayey SILT, with traces of peat
	8'0" - 10'0"	BD		8'0"	305.1	
	10'0" - 11'0"	BD		10'0"	303.1	PEAT
				11'0"	302.1	Soft grey clayey SILT

Key to type of sample :

U (4) — 4 in. dia. undisturbed sample.  
U (1½) — 1½ in. dia. " "  
D — disturbed sample.  
BD — bulk disturbed sample.  
W — water sample.  
S { } — standard penetration test.  
C { } — dynamic cone penetration test.  
No. in brackets gives  
No. of blows/12 in. penetration.

Remarks : (Observations on ground-water, etc.)

Ground-water was first encountered at depth of 3ft. below ground level.

MINISTRY OF TRANSPORT  
LONDON-YORKSHIRE MOTORWAY  
TROWELL TO BARLBOROUGH SECTION

Soils No :  
8/3847

FIG. 23

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SK 46 NE 1 77  
RECORD OF BOREHOLE NO. H5986/2

Ground level : 313.8ft. above O.D. Newlyn (24.7.63)

Dia. of boring : 8in.

Type of boring : Post-hole Auger

Lining tubes : Not used

Daily Progress	Core Recovery or Samples		Change of Strata			Description of Strata	COAL MEASURE
	Depth	Percent age of type	Legend	Depth	O.D. Level		
4.7.63	1'0" - 2'6"	BD		1'6" 2'6"	312.8 311.3	TOPSOIL SANDSTONE	
<b>Key to type of sample :</b> U (4) — 4 in. dia. undisturbed sample. U (14) — 1 1/4 in. dia. " " D — disturbed sample. BD — bulk disturbed sample. W — water sample. S ( ) — standard penetration test. C ( ) — dynamic cone penetration test. No. in brackets gives No. of blows/12 in. penetration.			<b>Remarks : (Observations on ground-water, etc.)</b> No ground-water was encountered during boring.				
MINISTRY OF TRANSPORT LONDON-YORKSHIRE MOTORWAY TROWELL TO BARLBOROUGH SECTION							Soils No : 3/3847  FIG. 240

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HAYES





SK 46 NE 1  
RECORD OF BOREHOLE NO. H598H/1

Ground level : 313.2ft. above O.D. Newlyn (24.7.63)

Dia. of boring : 8in.

Type of boring : Post-hole Auger

Lining tubes : Not used

Daily Progress	Core Recovery or Samples		Change of Strata			Description of Strata	
	Depth	Percentage or Type	Legend	Depth	O.D. Level		
4.7.63	1'0" - 3'0"	BD		1'0"	312.2	TOPSOIL	RECENT ALLUVIUM
				3'0"	310.2	Soft mottled grey and brown clay	
	3'0" - 8'0"	BD				Soft grey and brown CLAY with traces of peat	
				8'0"	305.2	PEAT	
	8'0" - 10'0"	BD		10'0"	303.2	Soft blue-grey CLAY	
				11'0"	302.2	Soft blue-grey CLAY	

RECORD OF BOREHOLE NO. H598H/2

Ground level : 313.7ft. above O.D. Newlyn (24.7.63)

Dia. of boring : 8in. SK 46 NE 77

Type of boring : Post-hole Auger

Lining tubes : Not used

5.7.63	1'0" - 3'0"	BD		1'0"	312.7	TOPSOIL	RECENT ALLUVIUM
				3'0"	310.7	SANDSTONE fragments (presumed fill)	
	3'0" - 5'0"	BD		5'0"	308.7	Brown sandy CLAY	
				9'0"	304.7	Soft grey-brown very silty CLAY with traces of peat	
	9'0" - 10'6"	BD		10'6"	303.2	PEAT	
	10'6" - 13'0"	BD		13'0"	300.7	Soft grey-brown silty sandy CLAY	

Key to type of sample :

U (4) — 4 in. dia. undisturbed sample.  
U (1) — 1 1/2 in. dia. " "  
BD — disturbed sample.  
W — bulk disturbed sample.  
W — water sample.  
S ( ) — standard penetration test.  
C ( ) — dynamic cone penetration test.  
No. in brackets gives  
No. of blows/12 in. penetration.

Remarks : (Observations on ground-water, etc.)

B.H's H598H/1 and H598H/2

Ground-water was first encountered at depth of 3ft. below ground level.

MINISTRY OF TRANSPORT

LONDON-YORKSHIRE MOTORWAY

TROWELL TO BARLBOROUGH SECTION

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FIG. 241

GEORGE WIMPEY & CO., LTD.

CENTRAL LABORATORY

HAYES



RECORD OF BOREHOLE NO. 5980/1

Ground level : 322.8 ft. above O.D. Newlyn (24.7.63.)

Dia. of boring : 8 in. to 19 ft.,  
BX (18 in. core) to 30 ft.

Type of boring : Shell and Auger and  
Rotary Core Drilling

Lining tubes : 8 in. to 19 ft.,  
BX (28 in.) to 22 ft. 6 in.

Daily Progress	Core Recovery or Samples		Change of Strata			Description of Strata
	Depth	Percentage or Type	Legend	Depth	O.D. Level	
				1'0"	321.8	TOPSOIL
	1'6" - 2'0"	U(4) D				FILL (broken sandstone, shale and mudstone with sandy clay and silt)
	2'0" - 5'0"	D BD				
	5'0" - 6'6"	D				
	6'6" - 8'0"	U(4) D				
31.5.63.	8'0" - 10'0"	D BD				
	10'0" - 11'0"	BD				
	11'0" - 11'6"	U(4)				
	11'6" - 15'0"	D BD				
1.6.63.	15'0" - 19'0"	D				
	19'0" - 30'0"	48%				
11.6.63.	30'0"			30'0"	292.8	
<b>Key to type of sample :</b> U (4) — 4 in. dia. undisturbed sample. U (1 1/2) — 1 1/2 in. dia. " " D — disturbed sample. BD — bulk disturbed sample. W — water sample. S ( ) — standard penetration test. C ( ) — dynamic cone penetration test. No. in brackets gives No. of blows/12 in. penetration.			<b>Remarks : (Observations on ground-water, etc.)</b>  Ground-water was first encountered at depth of 13 ft. below ground level during boring. Wash water return was lost below 21 ft. depth. Cavity from 27 ft. 6 in. to 29 ft.			
MINISTRY OF TRANSPORT LONDON-YORKSHIRE MOTORWAY TROWELL TO BARLBOROUGH SECTION						Soils No : S/3547  FIG.235

GEORGE WIMPEY & CO., LTD.

CENTRAL LABORATORY

HAYES



SK 46 NE 1  
RECORD OF BOREHOLE NO. H598J/1

Ground level : 313.2 ft. above O.D. Newlyn (24.7.63)

Dia. of boring : 8 in.

Type of boring : Post-hole Auger

Lining tubes : Not used

Daily Progress	Core Recovery or Samples		Change of Strata			Description of Strata	
	Depth	Percentage or Type	Legend	Depth	O.D. Level		
4.7.63	1'0" - 3'0"	BD		1'0"	312.2	TOPSOIL	RECENT ALLUVIUM
				3'0"	310.2	Soft brown silty CLAY	
	3'0" - 8'0"	BD				Soft grey silty CLAY, with traces of peat	
				8'0"	305.2		
	8'0" - 10'0"	BD		10'0"	303.2	PEAT	

RECORD OF BOREHOLE NO. H598J/2

Ground level : 312.6 ft. above O.D. Newlyn (25.7.63)

Dia. of boring : 8 in.

Type of boring : Post-hole Auger

Lining tubes : Not used

4.7.63	1'0" - 2'6"	BD		1'0"	312.6	TOPSOIL	RECENT ALLUVIUM
				2'6"	311.1	Soft grey-brown silty CLAY with some sand pockets	
	2'6" - 8'0"	BD				Soft grey organic silty CLAY	
				8'0"	305.6		
	8'0" - 10'0"	BD		10'0"	303.6	PEAT	
	10'0" - 12'0"	BD		12'0"	301.6	Soft blue-grey silty sandy CLAY	

Key to type of sample :

U (4) — 4 in. dia. undisturbed sample.  
U (1½) — 1½ in. dia. " "  
D — disturbed sample.  
BD — bulk disturbed sample.  
W — water sample.  
C { } — standard penetration test.  
C { } — dynamic cone penetration test.  
No. in brackets gives  
No. of blows/12 in. penetration.

Remarks : (Observations on ground-water, etc.)

B.H.'s H598J/1 and H598J/2

Ground-water was first encountered at depth of 3 ft. below ground level.

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FIG. 242