

[illegible]

GROUND ENGINEERING Geo-Environmental Specialists 01733 565566			Site: WITANHURST, 41 HIGHGATE WEST HILL, LONDON N6			BOREHOLE BH2		
Samples and In-situ Tests			Date: 27/01/09 to 28/01/09		Hole Size: 150mm dia to 16.50m		Ground Level: 125.50m. O.D.	
Depth m	Type	Blows	(Date) Casing	Incl.	Description of Strata	Legend	Depth m	O.D. Level m
10.50	D14				Medium dense brown, grey and orange brown sandy to very sandy SILT with thin bands of stiff brown and orange brown mottled clay.		10.00	115.50
11.00-11.50	B9 D15 S	N16	10.80					
12.00	D16				(LONDON CLAY FORMATION - CLAYGATE MEMBER)			
12.70-13.20	B10 D17 S	N19	11.50					
13.50	D18				Dense brown and grey very silty fine SAND with occasional partings of grey clay.		13.50	112.00
14.10-14.60	B11 D19 S	N32	13.90					
15.00	D20				(LONDON CLAY FORMATION - CLAYGATE MEMBER)			
15.30-15.80	B12 D21 S	N31	13.90					
16.00	D22							
16.15-16.45	S	N33	13.90		Very stiff, dark grey and orange brown mottled sandy CLAY/SILT. (LONDON CLAY FORMATION)		16.10	109.40
					Borehole completed at 16.00m depth		16.50	109.00
REMARKS								Project No 11681
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KEY			Groundwater Strikes			Groundwater Observations		
N - SPT Blows for 0.3m			Depth m			Depth m		
D - Disturbed Sample			No	Struck	Rose to	Date	Hole	Casing
B - Bulk Sample					Rate			Water
U - Undisturbed Sample					Cased			
V - Vane Shear Test					Sieved			
W - Water Sample						24/02/09	15.00	10.63
S/C - SPT Spoon/Cone						16/03/09	15.00	10.59
c - Level on completion								
w - Level casing withdrawn								
s - Standpipe Level								

GROUND ENGINEERING			Site: WITANHURST, 41 HIGHGATE WEST HILL, LONDON N6				BOREHOLE BH3			
Geo-Environmental Specialists 01733 566566			Date: 29/01/09 to 30/01/09		Hole Size: 150mm dia to 20.00m			Ground Level: 124.50m. O.D.		
Samples and in-situ Tests			(Date)	Incl.	Description of Strata		Legend	Depth m	O.D. Level m	
Depth m	Type	Blows	Casing							
0.00-0.70	B1				MADE GROUND - Soft dark grey and black slightly gravelly, slightly sandy CLAY. Gravel fraction of brick, ash, flint, mortar and quartz. Fibrous roots.					
0.70-1.20	B2				MADE GROUND - Soft brown, orange brown and dark grey mottled CLAY. Gravel fraction of brick, ash, flint, mortar and quartz.			0.70	123.80	
1.20-1.70	B3				MADE GROUND - Firm orange brown and grey brown slightly sandy, gravelly CLAY. Gravel fraction of brick and rounded flint.			1.20	123.30	
1.35-1.65	C	N13								
2.00-2.50	B4									
2.15-2.45	C	N16	1.50							
2.60-2.90	B5							2.60	121.90	
2.90-3.35	U1	30	2.90		Firm orange brown and light grey mottled sandy CLAY/ SILT with thin bands of silty fine sand.					
3.35	D1									
4.00-4.50	B6				(LONDON CLAY FORMATION - CLAYGATE MEMBER)					
4.15-4.45	S	N17	3.00							
4.45	D2									
5.00-5.45	U2	60	4.50		Medium dense light brown silty fine SAND.			5.00	119.50	
5.45	D3									
6.00-6.50	B7				(LONDON CLAY FORMATION - CLAYGATE MEMBER)					
6.15-6.45	S	N24	6.00							
6.45	D4									
7.50-8.00	B8							7.50	117.00	
7.65-7.95	S	N30	7.50		Stiff brown and light grey mottled sandy to very sandy CLAY/SILT.					
7.95	D5				(LONDON CLAY FORMATION - CLAYGATE MEMBER)					
9.00-9.50	B9							9.00	115.50	
9.15-9.45	S	N38	9.00		Dense brown and grey sandy SILT with thin bands of stiff light grey sandy clay.					
9.45	D6				(LONDON CLAY FORMATION - CLAYGATE MEMBER)					
10.00	D7							10.00	114.50	
REMARKS								Project No 11681		
1. Excavating a pit from 0.00m to 1.20m for 1 hour 2. Water added from 5.40m to 8.50m 3. Water added from 9.00m to 13.50m 4. Borehole cased to 15.00m depth 5. Gas monitoring standpipe installed to 14.00m depth								Scale 1:50	Page 1/2	
KEY			Groundwater Strikes				Groundwater Observations			
D - Disturbed Sample B - Bulk Sample U - Undisturbed Sample W - Water Sample S/C - SPT Spoon/Conc W - Water Strike W - Water Rise			N - SPT Blows for 0.3m - Blows for quoted penetration - Vane Shear Test Cohesion () kPa Level on completion Level casing withdrawn Standpipe Level				Depth m No Struck Rose to Rate Cased Sealed Date Hole Casing Water			
			1 17.80 seepage 15.00				29/01/09 9.00 8.00 8.80 30/01/09 9.00 8.00 8.00 30/01/09 20.00 15.00 20.00 16/02/09 14.00 9.39 24/02/09 14.00 9.36			

GROUND ENGINEERING			Site: WITANHURST, 41 HIGHGATE WEST HILL, LONDON N6				BOREHOLE BH3				
Geo-Environmental Specialists 01733 566568			Date: 29/01/09 to 30/01/09		Hole Size: 150mm dia to 20.00m			Ground Level: 124.50m. O.D.			
Samples and in-situ Tests			(Date)	Inst.	Description of Strata		Legend	Depth m	O.D. Level m		
Depth m	Type	Blows	Casing								
10.50-11.00	B10				Stiff light grey, brown and orange brown mottled sandy CLAY/SILT with thin bands of orange brown silty fine sand.			10.00	114.50		
10.65-10.95	S	N25	10.50								
10.95	D8										
11.50	D9										
12.00-12.50	B11				(LONDON CLAY FORMATION - CLAYGATE MEMBER)						
12.15-12.45	S	N26	11.25								
12.45	D10										
13.00	D11										
13.90-14.40	B12				Stiff dark grey sandy CLAY/SILT with occasional light brown silt partings.			13.70	110.80		
14.05-14.35	S	N24	13.50								
14.35	D12										
14.50	D13										
15.10-15.60	B13				(LONDON CLAY FORMATION)						
15.25-15.55	S	N23	15.00								
15.55	D14										
16.00	D15										
16.50-16.95	U3	48	15.00		Stiff, closely fissured, grey brown CLAY with occasional orange brown silty fine sand partings. Fissure planes iron-stained orange brown.			16.00	108.50		
16.95	D16				(LONDON CLAY FORMATION)						
17.80	D17										
18.00-18.45	U4	54	15.00		Stiff dark grey and orange brown mottled slightly sandy CLAY/SILT with occasional thin bands of brown sandy silt.			17.80	106.70		
18.45	D18										
19.00	D19				(LONDON CLAY FORMATION)						
19.50-19.95	U5	50	15.00								
20.00	D20							20.00	104.50		
REMARKS			Borehole completed at 20.00m depth						Project No 11681		
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KEY			Groundwater Strikes				Groundwater Observations				
N - SPT Blows for 0.3m			Depth m				Depth m				
D - Disturbed Sample			No/Struck	Rose to	Rate	Cased	Sealed	Date	Hole	Casing	Water
B - Bulk Sample											
U - Undisturbed Sample											
W - Water Sample											
S/C - SPT Spoon/Cone											
W - Water Strike											
W - Water Rise											
Level on completion											
Level casing withdrawn											
Standpipe Level											
								16/03/09	14.00		9.35

GROUND ENGINEERING Geo-Environmental Specialists 01733 568566			Site: WITANHURST, 41 HIGHGATE WEST HILL, LONDON N6		TRIAL PIT TP1		
Samples and in-situ Tests			Date: 02/02/09	Pit Size: 3.00m L x 1.50m W x 4.00m D.		Ground Level: 125.85m. O.D.	
Depth m	Type	Result	(Date) Water	Description of Strata	Legend	Depth m	O.D. Level m
0.20	D1			MADE GROUND - ASPHALT.		0.05	125.80
0.50	B1			MADE GROUND - Dark grey and black sandy GRAVEL with occasional cobbles. Gravel and cobble fractions of brick, ash, quartzite, asphalt and concrete fragments.		0.35	125.50
1.00	B2			Orange brown and red brown sandy GRAVEL with occasional flint cobbles. Gravel fraction of rounded flint. (BAGSHOT FORMATION)		0.80	125.05
1.50	B3			Firm orange brown, brown and light grey mottled sandy CLAY/ SILT with thin bands of clayey fine sand, laminae of grey clay and occasional medium gravel size ferruginous concretions.			
2.00	B4			(LONDON CLAY FORMATION - CLAYGATE MEMBER)			
2.50	B5						
3.00	B6						
3.50	B7						
4.00	B8					4.00	121.85
				Pit completed at 4.00m depth			

KEY D - Disturbed Sample B - Bulk Sample U - Undisturbed Sample R - Root Sample W - Water Sample J - Jar Sample ∇ - Water Strike ∇ - Water Rise ∇c - Level on completion MP - Mackintosh Probe P() - Hand Penetrometer Cohesion () kPa V - Vane Shear Test Cohesion () kPa	REMARKS 1. Pit dry 2. Pit sidewalls stable 3. Live roots observed to 1.30m depth	Project No 11681 Scale 1:25 Page 1/1
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GROUND ENGINEERING Geo-Environmental Specialists 01733 566566			Site: WITANHURST, 41 HIGHGATE WEST HILL, LONDON N6		TRIAL PIT TP2		
Date: 02/02/09			Pit Size: 4.10m L x 1.50m W x 4.60m D.		Ground Level: 125.25m. O.D.		
Samples and in-situ Tests			(Date)	Description of Strata	Legend	O.D. Level	
Depth m	Type	Result	Water			Depth m	
0.20	D1	(62)		MADE GROUND - ASPHALT.		0.05	125.20
0.40	D2			MADE GROUND - Dark brown and dark grey sandy GRAVEL with occasional cobbles. Gravel and cobble fractions of brick, ash, quartzite, flint and concrete fragments.			
0.60	D3			Firm orange brown, brown and light grey mottled sandy CLAY/SILT with thin bands of clayey fine sand, laminae of grey clay, and occasional medium gravel size ferruginous concretions.		0.50	124.75
0.70	B1						
0.75	V1						
1.00	B2						
1.50	B3			(LONDON CLAY FORMATION - CLAYGATE MEMBER)			
2.00	B4						
2.50	B5						
3.00	B6						
3.50	B7						
4.00	B8			Brown and orange brown clayey fine SAND with occasional grey clay laminae and medium gravel size ferruginous concretions.		3.90	121.35
4.50	B9			(LONDON CLAY FORMATION - CLAYGATE MEMBER)			
				Pit completed at 4.60m depth		4.60	120.65

KEY	REMARKS
D - Disturbed Sample	1. Pit dry
B - Bulk Sample	2. Pit sidewalls stable
U - Undisturbed Sample	3. No live roots observed
R - Root Sample	
W - Water Sample	
J - Jar Sample	
Σ - Water Strike	
Σ - Water Rise	
Σc - Level on completion	
MP - Mackintosh Probe	
P() - Hand Penetrometer	
	Cohesion () kPa
V - Vane Shear Test	
	Cohesion () kPa

Project No 11681	
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GROUND ENGINEERING Geo-Environmental Specialists 01733 566586			Site: WITANHURST, 41 HIGHGATE WEST HILL, LONDON N6		TRIAL PIT TP3	
Date: 02/02/09			Pit Size: 4.00m L x 1.50m W x 4.70m D.		Ground Level: 125.30m. O.D.	
Samples and In-situ Tests			(Date) Water	Description of Strata	Legend	Depth m
Depth m	Type	Result				O.D. Level m
0.30	D1			MADE GROUND - Firm brown slightly gravelly, slightly sandy CLAY. Gravel fraction of brick, flint, ash, asphalt and ceramic.		
0.60	D2			Orange brown slightly gravelly, silty, fine and medium SAND. Gravel fraction of rounded flint. (BAGSHOT FORMATION)		0.45 124.85
0.80	B1			Orange brown and red brown very sandy GRAVEL. Gravel fraction of rounded flint. (BAGSHOT FORMATION)		0.75 124.55
1.00	B2			Firm orange brown, brown and light grey mottled slightly sandy CLAY/SILT with thin bands of clayey fine sand, laminae of grey clay, and occasional medium gravel size ferruginous concretions.		0.85 124.45
1.50	B3					
2.00	B4			(LONDON CLAY FORMATION - CLAYGATE MEMBER)		
2.50	B5					
3.00	B6					
3.50	B7					
4.00	B8			Brown and orange brown silty fine SAND with occasional grey clay laminae and medium gravel size ferruginous concretions. (LONDON CLAY FORMATION - CLAYGATE MEMBER)		3.80 121.50
4.50	B9					
				Pit completed at 4.70m depth		4.70 120.60
KEY D - Disturbed Sample B - Bulk Sample U - Undisturbed Sample R - Root Sample W - Water Sample J - Jar Sample ∑ - Water Strike ∑ - Water Rise ∑c - Level on completion MP - Mackintosh Probe P() - Hand Penetrometer V - Vane Shear Test			REMARKS 1. Pit dry 2. Pit sidewalls stable 3. Live roots observed to 0.40m depth			
			Project No 11681			
			Scale 1:25			
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APPENDIX 4

MONITORING RESULTS

FALLING HEAD PERMEABILITY TEST RESULTS

Groundwater & Gas Monitoring Record

Site: 41 Highgate West Hill, London N6

Report Ref: C11681

Date	Borehole No.	Methane (% v/v)		Carbon Dioxide (% v/v)		Oxygen (% v/v)		CO (ppm)	H ₂ S (ppm)	Flow Rate (l/hr)	Atmospheric Pressure (mb)	Depth to Groundwater (m bgl)	Comments
		Peak	Steady	Peak	Steady	Peak	Steady						
16/02/2009	BH 1	<0.1	<0.1	1.8	1.5	18.6	18.6	<1	<1	<0.1	1006	11.07	
	BH 2	<0.1	<0.1	<0.1	<0.1	20.8	20.8	<1	<1	<0.1	1006	10.64	
	BH 3	<0.1	<0.1	0.4	0.4	20.5	20.5	<1	<1	<0.1	1006	9.39	

Equipment: Gasdata GFM 430 and dipmeter

Groundwater & Gas Monitoring Record

Site: **41 Highgate West Hill, London N6**

Report Ref: **C11681**

Date	Borehole No.	Methane (% v/v)		Carbon Dioxide (% v/v)		Oxygen (% v/v)		CO (ppm)	H ₂ S (ppm)	Flow Rate (l/hr)	Atmospheric Pressure (mb)	Depth to Groundwater (m bgl)	Comments
		Peak	Steady	Peak	Steady	Peak	Steady						
24/02/2009	BH 1	<0.1	<0.1	<0.1	<0.1	20.8	20.8	<1	<1	<0.1	1009	11.03	
	BH 2	<0.1	<0.1	<0.1	<0.1	20.9	20.9	<1	<1	<0.1	1009	10.63	
	BH 3	<0.1	<0.1	<0.1	<0.1	20.9	20.9	<1	<1	<0.1	1009	9.36	

Equipment: Gasdata GFM 430 and dipmeter

Groundwater & Gas Monitoring Record

Site: 41 Highgate West Hill, London N6

Report Ref: C11681

Date	Borehole No.	Methane (% v/v)		Carbon Dioxide (% v/v)		Oxygen (% v/v)		CO (ppm)	H ₂ S (ppm)	Flow Rate (l/hr)	Atmospheric Pressure (mb)	Depth to Groundwater (m bgl)	Comments
		Peak	Steady	Peak	Steady	Peak	Steady						
16/03/2009	BH 1	<0.1	<0.1	1.8	1.5	20.8	20.8	<1	<1	<0.1	1014	11.00	
	BH 2	<0.1	<0.1	<0.1	<0.1	20.9	20.9	<1	<1	<0.1	1014	10.59	
	BH 3	<0.1	<0.1	0.4	0.4	20.9	20.9	<1	<1	<0.1	1014	9.35	

Equipment: Gasdata GFM 430 and dipmeter

C11681

Witanhurst, 41 Highgate West Hill, London N6

Mini Diver Installation Depths

BH1	SN-F0187	10.99	11.22	11.10
BH3	SN-F0110	9.35	13.47	13.0

PROJECT – WITANHURST, 41 HIGHGATE WEST HILL, LONDON N6 – BOREHOLE BH 1

Date/time	Pressure[cm]	Temperature[°C]	Barometric Pressure[mb]	Head of Water[cm]	Water Level Below Ground[m]
01/04/2009 10:18	1026.3	24.47	1020	—	Diver being programmed
01/04/2009 14:18	1030.5	12.96	1020	10.5	11.00
01/04/2009 18:18	1029.5	12.95	1020	9.5	11.01
01/04/2009 22:18	1030.4	12.94	1020	10.4	11.00
02/04/2009 02:18	1030.1	12.94	1020	10.1	11.00
02/04/2009 06:18	1029.1	12.94	1020	9.1	11.01
02/04/2009 10:18	1030.1	12.94	1020	10.1	11.00
02/04/2009 14:18	1028.7	12.94	1020	8.7	11.01
02/04/2009 18:18	1026.8	12.94	1020	6.8	11.03
02/04/2009 22:18	1027.6	12.94	1020	7.6	11.02
03/04/2009 02:18	1026.8	12.94	1016	10.8	10.99
03/04/2009 06:18	1026.4	12.94	1016	10.4	11.00
03/04/2009 10:18	1026.2	12.94	1016	10.2	11.00
03/04/2009 14:18	1025	12.94	1016	9	11.01
03/04/2009 18:18	1023.7	12.94	1016	7.7	11.02
03/04/2009 22:18	1024.6	12.94	1016	8.6	11.01
04/04/2009 02:18	1024	12.94	1018	6	11.04
04/04/2009 06:18	1023.9	12.94	1018	5.9	11.04
04/04/2009 10:18	1025.6	12.94	1018	7.6	11.02
04/04/2009 14:18	1026.2	12.94	1018	8.2	11.02
04/04/2009 18:18	1027.8	12.94	1018	9.8	11.00
04/04/2009 22:18	1030.2	12.94	1018	12.2	10.98
05/04/2009 02:18	1031.5	12.94	1018	13.5	10.97
05/04/2009 06:18	1031.6	12.94	1018	13.6	10.96
05/04/2009 10:18	1031.9	12.94	1018	13.9	10.96
05/04/2009 14:18	1030.5	12.94	1018	12.5	10.98
05/04/2009 18:18	1028	12.94	1018	10	11.00
05/04/2009 22:18	1027	12.94	1018	9	11.01
06/04/2009 02:18	1024.8	12.94	1013	11.8	10.98
06/04/2009 06:18	1021.7	12.94	1013	8.7	11.01
06/04/2009 10:18	1019.6	12.94	1013	6.6	11.03
06/04/2009 14:18	1015.9	12.94	1013	2.9	11.07
06/04/2009 18:18	1013.6	12.94	1013	0.6	11.09
06/04/2009 22:18	1013	12.94	1013	0	11.10
07/04/2009 02:18	1013	12.94	1006	7	11.03

PROJECT – WITANHURST, 41 HIGHGATE WEST HILL, LONDON N6 – BOREHOLE BH 1

07/04/2009 06:18	1013.6	12.94	1006	7.6	11.02
07/04/2009 10:18	1015.7	12.94	1006	9.7	11.00
07/04/2009 14:18	1015.9	12.94	1006	9.9	11.00
07/04/2009 18:18	1016.1	12.94	1006	10.1	11.00
07/04/2009 22:18	1015.2	12.94	1006	9.2	11.01
08/04/2009 02:18	1010.9	12.94	1000	10.9	10.99
08/04/2009 06:18	1009.2	12.94	1000	9.2	11.01
08/04/2009 10:18	1012.9	12.94	1000	12.9	10.97
08/04/2009 14:18	1015.1	12.94	1000	15.1	10.95
08/04/2009 18:18	1016.1	12.94	1000	16.1	10.94
08/04/2009 22:18	1018.7	12.94	1000	18.7	10.91
09/04/2009 02:18	1018.3	12.94	1010	8.3	11.02
09/04/2009 06:18	1017.1	12.94	1010	7.1	11.03
09/04/2009 10:18	1017.4	12.94	1010	7.4	11.03
09/04/2009 14:18	1016.6	12.94	1010	6.6	11.03
09/04/2009 18:18	1014.8	12.94	1010	4.8	11.05
09/04/2009 22:18	1013.1	12.94	1010	3.1	11.07
10/04/2009 02:18	1010.8	12.94	1001	9.8	11.00
10/04/2009 06:18	1010.2	12.94	1001	9.2	11.01
10/04/2009 10:18	1010.2	12.94	1001	9.2	11.01
10/04/2009 14:18	1009.9	12.94	1001	8.9	11.01
10/04/2009 18:18	1010.1	12.94	1001	9.1	11.01
10/04/2009 22:18	1011.7	12.94	1001	10.7	10.99
11/04/2009 02:18	1012	12.94	1007	5	11.05
11/04/2009 06:18	1012.7	12.94	1007	5.7	11.04
11/04/2009 10:18	1014.3	12.94	1007	7.3	11.03
11/04/2009 14:18	1015.8	12.94	1007	8.8	11.01
11/04/2009 18:18	1016.9	12.94	1007	9.9	11.00
11/04/2009 22:18	1018.5	12.94	1007	11.5	10.99
12/04/2009 02:18	1019.2	12.94	1013	6.2	11.04
12/04/2009 06:18	1020	12.94	1013	7	11.03
12/04/2009 10:18	1021.2	12.94	1013	8.2	11.02
12/04/2009 14:18	1021.5	12.94	1013	8.5	11.02
12/04/2009 18:18	1021.1	12.94	1013	8.1	11.02
12/04/2009 22:18	1021.2	12.94	1013	8.2	11.02
13/04/2009 02:18	1019.7	12.94	1008	11.7	10.98
13/04/2009 06:18	1018.6	12.94	1008	10.6	10.99

PROJECT – WITANHURST, 41 HIGHGATE WEST HILL, LONDON N6 – BOREHOLE BH 1

13/04/2009 10:18	1019	12.94	1008	11	10.99
13/04/2009 14:18	1017.5	12.94	1008	9.5	11.01
13/04/2009 18:18	1015.5	12.94	1008	7.5	11.03
13/04/2009 22:18	1016.5	12.94	1008	8.5	11.02
14/04/2009 02:18	1016.2	12.94	1008	8.2	11.02
14/04/2009 06:18	1015.8	12.94	1008	7.8	11.02
14/04/2009 10:18	1016.4	12.94	1008	8.4	11.02
14/04/2009 14:18	1016.1	12.94	1008	8.1	11.02
14/04/2009 18:18	1015.5	12.94	1008	7.5	11.03
14/04/2009 22:18	1015.9	12.94	1008	7.9	11.02
15/04/2009 02:18	1013.8	12.94	1003	10.8	10.99
15/04/2009 06:18	1013.1	12.94	1003	10.1	11.00
15/04/2009 10:18	1012.6	12.94	1003	9.6	11.00
15/04/2009 14:18	1011.2	12.94	1003	8.2	11.02
15/04/2009 18:18	1010.9	12.94	1003	7.9	11.02
15/04/2009 22:18	1011.2	12.94	1003	8.2	11.02
16/04/2009 02:18	1012.1	12.94	1004	8.1	11.02
16/04/2009 06:18	1012	12.94	1004	8	11.02
16/04/2009 10:18	1013.6	12.94	1004	9.6	11.00
16/04/2009 14:18	1013.3	12.94	1004	9.3	11.01
16/04/2009 18:18	1013.1	12.94	1004	9.1	11.01
16/04/2009 22:18	1013.7	12.94	1004	9.7	11.00
17/04/2009 02:18	1014.3	12.94	1007	7.3	11.03
17/04/2009 06:18	1013.7	12.94	1007	6.7	11.03
17/04/2009 10:18	1015.7	12.94	1007	8.7	11.01
17/04/2009 14:18	1016.5	12.94	1007	9.5	11.01
17/04/2009 18:18	1016.8	12.94	1007	9.8	11.00
17/04/2009 22:18	1018.7	12.94	1007	11.7	10.98
18/04/2009 02:18	1019.4	12.94	1013	6.4	11.04
18/04/2009 06:18	1020.2	12.94	1013	7.2	11.03
18/04/2009 10:18	1022.2	12.94	1013	9.2	11.01
18/04/2009 14:18	1023.3	12.94	1013	10.3	11.00
18/04/2009 18:18	1024.8	12.94	1013	11.8	10.98
18/04/2009 22:18	1027.1	12.94	1013	14.1	10.96
19/04/2009 02:18	1027.7	12.94	1021	6.7	11.03
19/04/2009 06:18	1028.3	12.94	1021	7.3	11.03
19/04/2009 10:18	1029.7	12.94	1021	8.7	11.01

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19/04/2009 14:18	1029.4	12.94	1021	8.4	11.02
19/04/2009 18:18	1029.4	12.94	1021	8.4	11.02
19/04/2009 22:18	1031.6	12.94	1021	10.6	10.99
20/04/2009 02:18	1032.1	12.94	1025	7.1	11.03
20/04/2009 06:18	1032.7	12.94	1025	7.7	11.02
20/04/2009 10:18	1033.4	12.94	1025	8.4	11.02
20/04/2009 14:18	1033	12.94	1025	8	11.02
20/04/2009 18:18	1032.2	12.94	1025	7.2	11.03
20/04/2009 22:18	1032.8	12.94	1025	7.8	11.02
21/04/2009 02:18	1032.7	12.94	1026	6.7	11.03
21/04/2009 06:18	1032.7	12.94	1026	6.7	11.03
21/04/2009 10:18	1032.8	12.94	1026	6.8	11.03
21/04/2009 14:18	1031.6	12.94	1026	5.6	11.04
21/04/2009 18:18	1030.9	12.94	1026	4.9	11.05
21/04/2009 22:18	1032.4	12.94	1026	6.4	11.04
22/04/2009 02:18	1032.8	12.94	1026	6.8	11.03
22/04/2009 06:18	1033.1	12.93	1026	7.1	11.03
22/04/2009 10:18	1032.8	12.94	1026	6.8	11.03
22/04/2009 14:18	1031.5	12.93	1026	5.5	11.05
22/04/2009 18:18	1029.6	12.94	1026	3.6	11.06
22/04/2009 22:18	1029.8	12.93	1026	3.8	11.06
23/04/2009 02:18	1029	12.94	1022	7	11.03
23/04/2009 06:18	1029	12.93	1022	7	11.03
23/04/2009 10:18	1027.8	15.53	1022	5.8	11.042
23/04/2009 14:18	1027.3	12.94	1020	7.3	11.027
23/04/2009 18:18	1025.9	12.94	1020	5.9	11.041
23/04/2009 22:18	1025.6	12.94	1020	5.6	11.044
24/04/2009 02:18	1024.6	12.93	1020	4.6	11.054
24/04/2009 06:18	1022.9	12.93	1019	3.9	11.061
24/04/2009 10:18	1021.8	12.93	1018	3.8	11.062
24/04/2009 14:18	1018.8	12.93	1015	3.8	11.062
24/04/2009 18:18	1016.4	12.93	1013	3.4	11.066
24/04/2009 22:18	1014.8	12.93	1010	4.8	11.052
25/04/2009 02:18	1011.3	12.93	1007	4.3	11.057
25/04/2009 06:18	1008.5	12.93	1004	4.5	11.055
25/04/2009 10:18	1010.6	12.93	1006	4.6	11.054
25/04/2009 14:18	1012.2	12.93	1008	4.2	11.058

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25/04/2009 18:18	1013.7	12.93	1008	5.7	11.043
25/04/2009 22:18	1015.5	12.93	1009	6.5	11.035
26/04/2009 02:18	1015	12.93	1009	6	11.04
26/04/2009 06:18	1014.1	12.93	1009	5.1	11.049
26/04/2009 10:18	1013.7	12.93	1009	4.7	11.053
26/04/2009 14:18	1011.2	12.93	1007	4.2	11.058
26/04/2009 18:18	1009.6	12.93	1004	5.6	11.044
26/04/2009 22:18	1008.5	12.93	1004	4.5	11.055
27/04/2009 02:18	1006.2	12.93	1002	4.2	11.058
27/04/2009 06:18	1003	12.92	999	4	11.06
27/04/2009 10:18	1000.4	12.92	997	3.4	11.066
27/04/2009 14:18	999.9	12.92	997	2.9	11.071
27/04/2009 18:18	1000.1	12.92	997	3.1	11.069
27/04/2009 22:18	1001.4	12.92	997	4.4	11.056
28/04/2009 02:18	1002.2	12.92	998	4.2	11.058
28/04/2009 06:18	1003.5	12.92	998	5.5	11.045
28/04/2009 10:18	1005.3	12.92	1000	5.3	11.047
28/04/2009 14:18	1006.4	12.92	1000	6.4	11.036
28/04/2009 18:18	1007	12.92	1002	5	11.05
28/04/2009 22:18	1009	12.92	1003	6	11.04
29/04/2009 02:18	1009.3	12.92	1004	5.3	11.047
29/04/2009 06:18	1011.5	12.92	1007	4.5	11.055
29/04/2009 10:18	1013.6	12.92	1009	4.6	11.054
29/04/2009 14:18	1014.8	12.92	1009	5.8	11.042
29/04/2009 18:18	1015.9	12.92	1010	5.9	11.041
29/04/2009 22:18	1018.1	12.92	1011	7.1	11.029
30/04/2009 02:18	1018.6	12.92	1013	5.6	11.044
30/04/2009 06:18	1018.9	12.92	1014	4.9	11.051
30/04/2009 10:18	1020	12.92	1015	5	11.05
30/04/2009 14:18	1020.9	12.92	1015	5.9	11.041
30/04/2009 18:18	1022.1	12.92	1017	5.1	11.049
30/04/2009 22:18	1025	12.92	1019	6	11.04
01/05/2009 02:18	1026	12.92	1020	6	11.04
01/05/2009 06:18	1027.1	12.92	1021	6.1	11.039
01/05/2009 10:18	1028.3	12.92	1022	6.3	11.037
01/05/2009 14:18	1028	12.92	1022	6	11.04
01/05/2009 18:18	1028.1	12.92	1023	5.1	11.049

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01/05/2009 22:18	1030.6	12.92	1024	6.6	11.034
02/05/2009 02:18	1031.3	12.92	1026	5.3	11.047
02/05/2009 06:18	1032.8	12.92	1026	6.8	11.032
02/05/2009 10:18	1034	12.92	1026	8	11.02
02/05/2009 14:18	1033.1	12.92	1026	7.1	11.029
02/05/2009 18:18	1032.2	12.92	1026	6.2	11.038
02/05/2009 22:18	1032.2	12.92	1026	6.2	11.038
03/05/2009 02:18	1031.3	12.92	1027	4.3	11.057
03/05/2009 06:18	1030.6	12.92	1027	3.6	11.064
03/05/2009 10:18	1031.5	12.92	1027	4.5	11.055
03/05/2009 14:18	1031.8	12.92	1027	4.8	11.052
03/05/2009 18:18	1032.2	12.92	1027	5.2	11.048
03/05/2009 22:18	1033.9	12.92	1027	6.9	11.031
04/05/2009 02:18	1033.2	12.92	1027	6.2	11.038
04/05/2009 06:18	1033.4	12.91	1027	6.4	11.036
04/05/2009 10:18	1032.8	12.91	1027	5.8	11.042
04/05/2009 14:18	1031.1	12.91	1027	4.1	11.059
04/05/2009 18:18	1029.1	12.92	1024	5.1	11.049
04/05/2009 22:18	1027.6	12.91	1022	5.6	11.044
05/05/2009 02:18	1026.5	12.91	1020	6.5	11.035
05/05/2009 06:18	1026.7	12.91	1018	8.7	11.013
05/05/2009 10:18	1027.4	12.91	1018	9.4	11.006
05/05/2009 14:18	1025.3	12.91	1018	7.3	11.027
05/05/2009 18:18	1024	12.91	1017	7	11.03
05/05/2009 22:18	1023.7	12.91	1017	6.7	11.033
06/05/2009 02:18	1022.2	12.91	1017	5.2	11.048
06/05/2009 06:18	1021.7	12.91	1017	4.7	11.053
06/05/2009 10:18	1022.5	12.91	1017	5.5	11.045
06/05/2009 14:18	1022.5	12.91	1016	6.5	11.035
06/05/2009 18:18	1021.2	12.91	1016	5.2	11.048
06/05/2009 22:18	1020.6	12.91	1016	4.6	11.054
07/05/2009 02:18	1019.4	12.91	1013	6.4	11.036
07/05/2009 06:18	1018.7	12.91	1013	5.7	11.043
07/05/2009 10:18	1019.4	12.91	1011	8.4	11.016
07/05/2009 14:18	1018.5	12.9	1010	8.5	11.015
07/05/2009 18:18	1015.8	12.91	1009	6.8	11.032
07/05/2009 22:18	1014.1	12.9	1008	6.1	11.039