

## **Appendix A.5.1.3**

### **Phase 2 Contract 1**

### **N6 Galway City Transport Project Phase 2 Ground Investigation Contract 1,**

**October 2015 to November  
2015**

### **A.5.1.3**

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**IGSL Ltd**

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**N6 Galway City Transport  
Project – Phase 2  
Ground Investigation  
Contract 1**

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**Factual Report**

**Project No. 18746**

**November 2015**

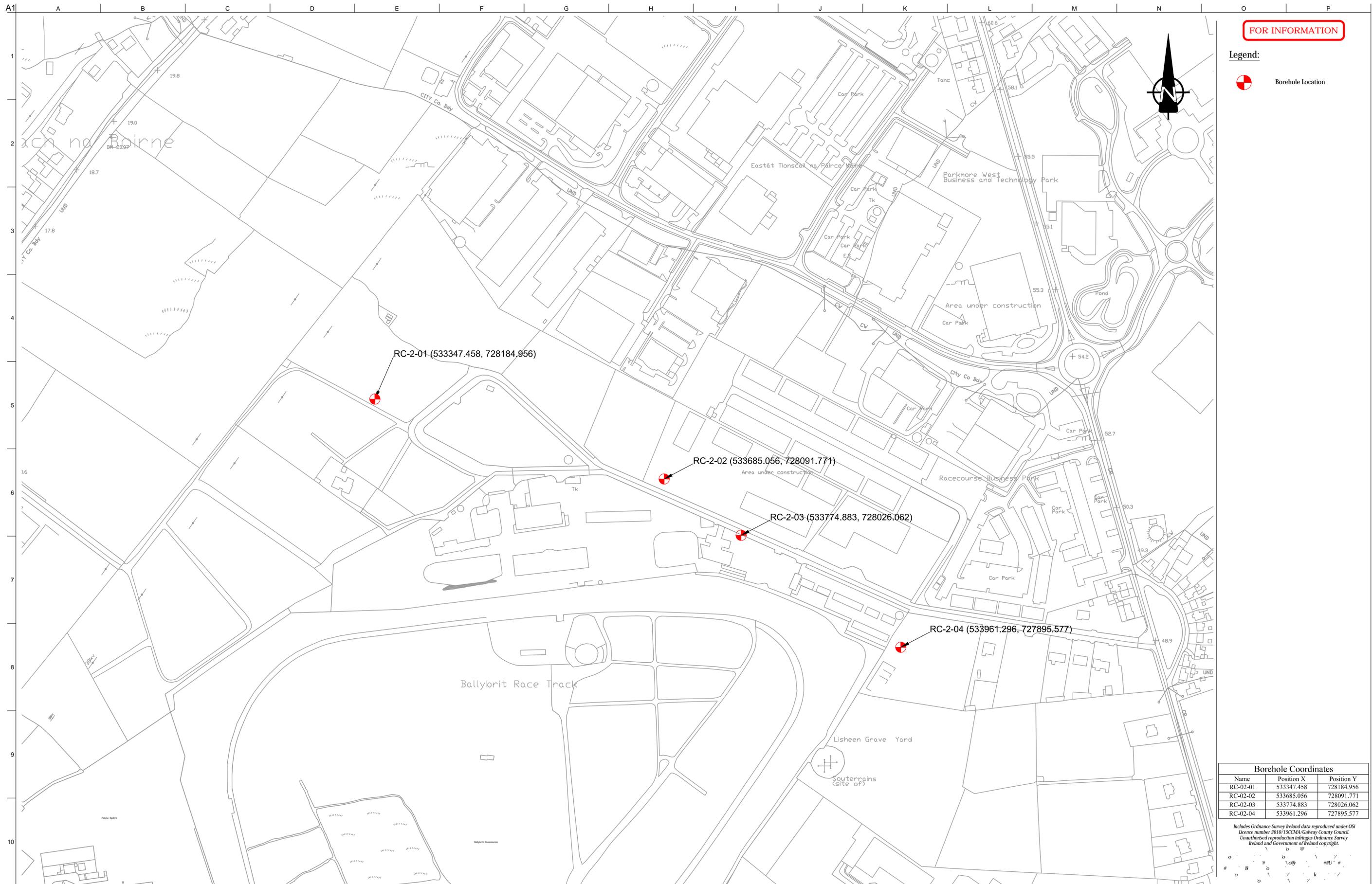


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## DOCUMENT ISSUE REGISTER

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FOR INFORMATION

Legend:  
 Borehole Location

RC-2-01 (533347.458, 728184.956)

RC-2-02 (533685.056, 728091.771)

RC-2-03 (533774.883, 728026.062)

RC-2-04 (533961.296, 727895.577)

Borehole Coordinates		
Name	Position X	Position Y
RC-02-01	533347.458	728184.956
RC-02-02	533685.056	728091.771
RC-02-03	533774.883	728026.062
RC-02-04	533961.296	727895.577

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**Disclaimer Note:**  
 The constraints and options shown are draft only and subject to change. More detailed assessments, on-going studies and the information received from the public may result in changes to these constraints.

Clients



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Job Title  
**N6 Galway City Transport Project**

Scale  
 1:1250 @ A1

Date  
 Nov 2015

Drawing Title				
Phase 2 Ground Investigation Works Galway Racecourse				
Drawing Status				
For Information				
Job No	Drawing No	Issue		
233985-00	GC0B-SK-D-113	11		

## **Appendix 1**

### **Rotary Core Drillhole Records and Photographs**



# GEOTECHNICAL CORE LOG RECORD

**REPORT NUMBER**

18746

<b>CONTRACT</b> N6 Galway Transport Project (Phase 2)		<b>DRILLHOLE NO</b> RC02/01
<b>CO-ORDINATES</b> 533,347.51 E 728,184.96 N		<b>SHEET</b> Sheet 1 of 2
<b>GROUND LEVEL (mOD)</b> 56.63	<b>RIG TYPE</b> Knebel	<b>DATE DRILLED</b> 12/11/2015
<b>CLIENT</b> Galway County Council	<b>FLUSH</b> Air/Mist	<b>DATE LOGGED</b> 16/11/2015
<b>ENGINEER</b> ARUP	<b>INCLINATION (deg)</b> -90	<b>DRILLED BY</b> IGSL
	<b>CORE DIAMETER (mm)</b> 80	<b>LOGGED BY</b> K.Kinsella

Downhole Depth (m)	Core Run Depth (m)	T.C.R.%	S.C.R.%	R.Q.D.%	Fracture Spacing Log (mm)	Non-intact Zone	Legend	Description	Depth (m)	Elevation	Standpipe Details	SPT (N Value)
0								SYMMETRIX DRILLING: No recovery- Driller reports sandy gravelly clay.				
1.50									1.50	55.13		
1.60	30	0	0					Strong to very strong, medium to thickly bedded, light to dark grey, locally very fractured, fine to medium grained, LIMESTONE (localised stylolites and chert), fresh to moderately weathered(1.50-1.60m, 11.71-12.18m, 12.25-12.37m) with slight solution weathering.				
2.00	100	100	92					Discontinuities are medium to closely spaced, smooth to locally rough, planar to locally undulose. Apertures are tight to moderately open, brown clay light smearing, calcite veined(10mm), iron-oxide stained. Dips are sub-horizontal (vertical fractures 11.43-11.65m, 12.8-12.24m).				
2.90												
3.30	125	125	125									
3.75	89	89	89									
4.00	100	92	92									
4.20	100	100	100									
4.84												
5.00	100	100	100									
5.33	100	100	100									
6.00												
6.70												
7.00												
7.40	100	100	100									
7.77	100	100	100									
8.00												
8.95												
9.70	100	97	97									
9.93	93	93	91									

<b>REMARKS</b> Hole cased 0.00-1.50m					<b>WATER STRIKE DETAILS</b>							
					Water Strike	Casing Depth	Sealed At	Rise To	Time (min)	Comments		
										No water strike recorded		
<b>INSTALLATION DETAILS</b>					<b>GROUNDWATER DETAILS</b>							
					Date	Hole Depth	Casing Depth	Depth to Water	Comments			
Date	Tip Depth	RZ Top	RZ Base	Type								

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# GEOTECHNICAL CORE LOG RECORD

**REPORT NUMBER**

**18746**

**CONTRACT** N6 Galway Transport Project (Phase 2)

**DRILLHOLE NO** RC02/01  
**SHEET** Sheet 2 of 2

**CO-ORDINATES** 533,347.51 E  
728,184.96 N  
**GROUND LEVEL (mOD)** 56.63

**RIG TYPE** Knebel  
**FLUSH** Air/Mist  
**INCLINATION (deg)** -90  
**CORE DIAMETER (mm)** 80

**DATE DRILLED** 12/11/2015  
**DATE LOGGED** 16/11/2015

**CLIENT ENGINEER** Galway County Council  
ARUP

**DRILLED BY** IGSL  
**LOGGED BY** K.Kinsella

Downhole Depth (m)	Core Run Depth (m)	T.C.R.%	S.C.R.%	R.Q.D.%	Fracture Spacing Log (mm)	Non-intact Zone	Legend	Description	Depth (m)	Elevation	Standpipe Details	SPT (N Value)
10	10.15							Strong to very strong, medium to thickly bedded, light to dark grey, locally very fractured, fine to medium grained, LIMESTONE (localised stylolites and chert), fresh to moderately weathered(1.50-1.60m, 11.71-12.18m, 12.25-12.37m) with slight solution weathering.				
	10.70	100	100	100								
11								Discontinuities are medium to closely spaced, smooth to locally rough, planar to locally undulose. Apertures are tight to moderately open, brown clay light smearing, calcite veined(10mm), iron-oxide stained. Dips are sub-horizontal (vertical fractures 11.43-11.65m, 12.8-12.24m). <i>(continued)</i>				
	12.20	100	70	65								
12	12.50							Strong to very strong, medium to thickly bedded, light to dark grey/black, locally very fractured, fine to medium grained, LIMESTONE (localised stylolites and chert), fresh to moderately weathered(15.07-15.24m).	12.50	44.13		
	13.70	100	60	60								
13								Discontinuities are wide to closely spaced, smooth to locally rough, planar to very locally undulose. Apertures are tight to moderately open, dark brown clay and dark grey gravel and clay infill, brown clay smearing, calcite veined(10mm). Dips are sub-horizontal.				
	14.90	100	98	95								
14												
	16.20	100	99	99								
15	16.95											
	17.45	100	91	88	72							
16												
	18.30	100	100	100								
17												
	19.80	100	100	100								
End of Borehole at 19.80 m									19.80	36.83		

**REMARKS**  
Hole cased 0.00-1.50m

**WATER STRIKE DETAILS**

Water Strike	Casing Depth	Sealed At	Rise To	Time (min)	Comments
					No water strike recorded

**GROUNDWATER DETAILS**

**INSTALLATION DETAILS**

Date	Tip Depth	RZ Top	RZ Base	Type

Date	Hole Depth	Casing Depth	Depth to Water	Comments

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# GEOTECHNICAL CORE LOG RECORD

**REPORT NUMBER**

**18746**

<b>CONTRACT</b> N6 Galway Transport Project (Phase 2)		<b>DRILLHOLE NO</b> RC02/02
<b>CO-ORDINATES</b> 533,684.92 E 728,102.47 N		<b>SHEET</b> Sheet 1 of 2
<b>GROUND LEVEL (mOD)</b> 54.92	<b>RIG TYPE</b> Knebel	<b>DATE DRILLED</b> 16/10/2015
<b>CLIENT</b> Galway County Council	<b>FLUSH</b> Air/Mist	<b>DATE LOGGED</b> 20/10/2015
<b>ENGINEER</b> ARUP	<b>INCLINATION (deg)</b> -90	<b>DRILLED BY</b> IGSL
	<b>CORE DIAMETER (mm)</b> 80	<b>LOGGED BY</b> K.Kinsella

Downhole Depth (m)	Core Run Depth (m)	T.C.R.%	S.C.R.%	R.Q.D.%	Fracture Spacing Log (mm)	Non-intact Zone	Legend	Description	Depth (m)	Elevation	Standpipe Details	SPT (N Value)
0								SYMMETRIX DRILLING: No recovery- Driller reports MADE GROUND consisting of gravel.	0.50	54.42		
1								SYMMETRIX DRILLING: No recovery- Driller reports sandy cobbly clay.	1.50	53.42		
2								SYMMETRIX DRILLING: No recovery- Driller reports sandy gravelly clay.				
3												
4												
5												
6									6.00	48.92		
6.50	52	0	0					Gravel and Cobbles - Possible weathered rock	6.50	48.42		
7								SYMMETRIX DRILLING: No recovery- Driller reports sandy gravelly clay - possible weathered rock				
7.30	0	0	0						7.30	47.62		
7.90	95	43	43					Strong to very strong, thick to very thin bedded, light to dark grey, fine to medium grained, LIMESTONE (localised chert and stylolites), fresh to moderately weathered (7.38-7.50m, 8.75-9.16m) with slight solution weathered.				
8.75	100	46	38					Discontinuities are medium to closely spaced, rough to locally smooth, planar to locally undulose. Apertures are tight to moderately open, clayed and gravel filled, locally calcite veined (5mm). Dips are sub-horizontal with very locally vertical.				
9												
9.30	100	29	29									
9.60	100	53	33									
9.85	100	100	68									

<b>REMARKS</b> Hole cased 0.00-7.30m					<b>WATER STRIKE DETAILS</b>					
					Water Strike	Casing Depth	Sealed At	Rise To	Time (min)	Comments
										No water strike recorded
<b>INSTALLATION DETAILS</b>					<b>GROUNDWATER DETAILS</b>					
					Date	Hole Depth	Casing Depth	Depth to Water	Comments	
Date	Tip Depth	RZ Top	RZ Base	Type						
20-10-15	19.90	12.00	19.90	50mm SP						

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# GEOTECHNICAL CORE LOG RECORD

**REPORT NUMBER**

**18746**

<b>CONTRACT</b> N6 Galway Transport Project (Phase 2)		<b>DRILLHOLE NO</b> RC02/02
<b>CO-ORDINATES</b> 533,684.92 E 728,102.47 N		<b>SHEET</b> Sheet 2 of 2
<b>GROUND LEVEL (mOD)</b> 54.92	<b>RIG TYPE</b> Knebel	<b>DATE DRILLED</b> 16/10/2015
<b>CLIENT</b> Galway County Council	<b>FLUSH</b> Air/Mist	<b>DATE LOGGED</b> 20/10/2015
<b>ENGINEER</b> ARUP	<b>INCLINATION (deg)</b> -90	<b>DRILLED BY</b> IGSL
	<b>CORE DIAMETER (mm)</b> 80	<b>LOGGED BY</b> K.Kinsella

Downhole Depth (m)	Core Run Depth (m)	T.C.R.%	S.C.R.%	R.Q.D.%	Fracture Spacing Log (mm)	Non-intact Zone	Legend	Description	Depth (m)	Elevation	Standpipe Details	SPT (N Value)
10		99	97	90				Strong to very strong, thick to very thinly bedded, light to dark grey, fine to medium grained, LIMESTONE (localised chert and stylolites), fresh to moderately weathered (7.38-7.50m, 8.75-9.16m) with slight solution weathered.				
11.00									Discontinuities are medium to closely spaced, rough to locally smooth, planar to locally undulose. Apertures are tight to moderately open, clayed and gravel filled, locally calcite veined (5mm). Dips are sub-horizontal with very locally vertical. <i>(continued)</i>			
11.80		100	95	52								
12.25		100	84	69								
13		100	87	69								
13.75												
14		100	49	49								
14.50												
14.75		100	80	80								
15		98	79	63								
15.85												
16												
17		100	97	82								
17.35												
18		100	96	59								
18.25												
18.85		100	100	75								
19												
19		97	73	61								
19.90									19.90	35.02		

<b>REMARKS</b> End of Borehole at 19.90 m					<b>WATER STRIKE DETAILS</b>							
Hole cased 0.00-7.30m					Water Strike	Casing Depth	Sealed At	Rise To	Time (min)	Comments		
										No water strike recorded		
					<b>GROUNDWATER DETAILS</b>							
<b>INSTALLATION DETAILS</b>					Date	Hole Depth	Casing Depth	Depth to Water	Comments			
Date	Tip Depth	RZ Top	RZ Base	Type								
20-10-15	19.90	12.00	19.90	50mm SP								

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# GEOTECHNICAL CORE LOG RECORD

**REPORT NUMBER**

**18746**

<b>CONTRACT</b> N6 Galway Transport Project (Phase 2)		<b>DRILLHOLE NO</b> RC02/03
<b>CO-ORDINATES</b> 533,774.69 E 728,024.34 N		<b>SHEET</b> Sheet 1 of 2
<b>GROUND LEVEL (mOD)</b> 53.89	<b>RIG TYPE</b> Knebel	<b>DATE DRILLED</b> 12/10/2015
<b>CLIENT</b> Galway County Council	<b>FLUSH</b> Air/Mist	<b>DATE LOGGED</b> 14/10/2015
<b>ENGINEER</b> ARUP	<b>INCLINATION (deg)</b> -90	<b>DRILLED BY</b> IGSL
	<b>CORE DIAMETER (mm)</b> 80	<b>LOGGED BY</b> K.Kinsella

Downhole Depth (m)	Core Run Depth (m)	T.C.R.%	S.C.R.%	R.Q.D.%	Fracture Spacing Log (mm)	Non-intact Zone	Legend	Description	Depth (m)	Elevation	Standpipe Details	SPT (N Value)
0								SYMMETRIX DRILLING: No recovery- Driller reports sandy clay with occasional gravel.				
1								SYMMETRIX DRILLING: No recovery- Driller reports sandy gravelly clay.	1.20	52.69		
2												
3												
4												
4.50									4.50	49.39		
5.00	40	0	0					Firm, light to dark brown, sandy CLAY. Sand is fine to coarse.				
6												
6.50	27	0	0						6.50	47.39		
7												
7.00	0	0	0					SYMMETRIX DRILLING: No recovery- Driller reports sandy gravelly clay - possible weathered rock	7.00	46.89		
8												
7.60	67	25	25					Strong to very strong, thick to very thin bedded, light to dark grey, locally very fractured (7.00-7.60m, 9.10-9.20m), with a light brown clay infill, fine to medium grained, LIMESTONE (localised stylolites and chert), fresh to locally moderately weathered (9.20-9.53m, 12.28-12.71m).				
9												
9.10	100	91	91					Discontinuities are wide to closely spaced, rough, planar to locally undulose. Apertures are tight to moderately open, stiff light to dark brown sand and clay infill, locally calcite veined (2-15mm) and iron-oxide stained. Dips are sub-horizontal, two vertical (18.30-18.60m and 18.93-19.34m).				
9.20	100	0	0									
	100	80	75									

<b>REMARKS</b> Hole cased 0.00-6.00m					<b>WATER STRIKE DETAILS</b>						
					Water Strike	Casing Depth	Sealed At	Rise To	Time (min)	Comments	
										No water strike recorded	
					<b>GROUNDWATER DETAILS</b>						
<b>INSTALLATION DETAILS</b>					Date	Hole Depth	Casing Depth	Depth to Water	Comments		
Date	Tip Depth	RZ Top	RZ Base	Type							

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# GEOTECHNICAL CORE LOG RECORD

**REPORT NUMBER**

**18746**

<b>CONTRACT</b> N6 Galway Transport Project (Phase 2)		<b>DRILLHOLE NO</b> RC02/03
<b>CO-ORDINATES</b> 533,774.69 E 728,024.34 N		<b>SHEET</b> Sheet 2 of 2
<b>GROUND LEVEL (mOD)</b> 53.89	<b>RIG TYPE</b> Knebel	<b>DATE DRILLED</b> 12/10/2015
<b>CLIENT</b> Galway County Council	<b>FLUSH</b> Air/Mist	<b>DATE LOGGED</b> 14/10/2015
<b>ENGINEER</b> ARUP	<b>INCLINATION (deg)</b> -90	<b>DRILLED BY</b> IGSL
	<b>CORE DIAMETER (mm)</b> 80	<b>LOGGED BY</b> K.Kinsella

Downhole Depth (m)	Core Run Depth (m)	T.C.R.%	S.C.R.%	R.Q.D.%	Fracture Spacing Log (mm)	Non-intact Zone	Legend	Description	Depth (m)	Elevation	Standpipe Details	SPT (N Value)
10								Strong to very strong, thick to very thinly bedded, light to dark grey, locally very fractured (7.00-7.60m, 9.10-9.20m), with a light brown clay infill, fine to medium grained, LIMESTONE (localised stylolites and chert), fresh to locally moderately weathered (9.20-9.53m, 12.28-12.71m).				
10.60								Discontinuities are wide to closely spaced, rough, planar to locally undulose. Apertures are tight to moderately open, stiff light to dark brown sand and clay infill, locally calcite veined (2-15mm) and iron-oxide stained. Dips are sub-horizontal, two vertical (18.30-18.60m and 18.93-19.34m). (continued)				
11		100	76	50								
11.30												
11.80		100	100	100								
12												
12.20		95	70	70								
12.80		83	30	0								
13												
13.15		100	71	71								
13.80		100	74	57								
14												
14.30		100	96	96								
15												
15.30		93	91	91								
16												
16.80		97	97	92								
17												
17.10		83	80	63								
18												
18.30		96	92	89								
18.60		93	93	93								
19												
20.00		94	89	86								

<b>REMARKS</b> End of Borehole at 20.00 m								<b>WATER STRIKE DETAILS</b>						
Hole cased 0.00-6.00m								Water Strike	Casing Depth	Sealed At	Rise To	Time (min)	Comments	
													No water strike recorded	
								<b>GROUNDWATER DETAILS</b>						
<b>INSTALLATION DETAILS</b>								Date	Hole Depth	Casing Depth	Depth to Water	Comments		
Date	Tip Depth	RZ Top	RZ Base	Type										

IGSL RC.FI.10M 18746.GPJ IGSL.GDT 19/11/15



# GEOTECHNICAL CORE LOG RECORD

**REPORT NUMBER**

18746

<b>CONTRACT</b> N6 Galway Transport Project (Phase 2)	<b>DRILLHOLE NO</b> RC02/04
<b>CO-ORDINATES</b> 533,966.82 E 727,889.85 N	<b>SHEET</b> Sheet 1 of 3
<b>GROUND LEVEL (mOD)</b> 52.27	<b>DATE DRILLED</b> 14/10/2015
<b>CLIENT</b> Galway County Council	<b>DATE LOGGED</b> 14/10/2015
<b>ENGINEER</b> ARUP	<b>DRILLED BY</b> IGSL
<b>RIG TYPE</b> Knebel	<b>LOGGED BY</b> K.Kinsella
<b>FLUSH</b> Air/Mist	
<b>INCLINATION (deg)</b> -90	
<b>CORE DIAMETER (mm)</b> 80	

Downhole Depth (m)	Core Run Depth (m)	T.C.R.%	S.C.R.%	R.Q.D.%	Fracture Spacing Log (mm)	Non-intact Zone	Legend	Description	Depth (m)	Elevation	Standpipe Details	SPT (N Value)
0								SYMMETRIX DRILLING: No recovery- Driller reports sandy clay.				
1												
2								SYMMETRIX DRILLING: No recovery- Driller reports sandy gravelly clay.	1.80	50.47		
3												
4												
5								SYMMETRIX DRILLING: No recovery- Driller reports limestone.	4.80	47.47		
5.40									5.40	46.87		
6.00	100	95	67					Strong to very strong, medium to very thinly bedded, light to dark grey, locally very fractured, fine to medium grained, LIMESTONE (localised stylolites and chert), fresh to locally slightly weathered with slight solution weathering.				
6.64	100	97	80					Discontinuities are medium to closely spaced, smooth to locally rough, planar to locally undulose. Apertures are tight to moderately open, very firm mottled brown/grey clay infill (10.67-10.90m), calcite veined (1mm), iron-oxide stained. Dips are sub-horizontal to very locally sub-vertical.				
7	99	91	86									
7.55	100	100	82									
8	100	100	82									
8.20	97	93	75									
8.95	97	93	75									
9	100	97	89									

<b>REMARKS</b> Hole cased 0.00-5.40m					<b>WATER STRIKE DETAILS</b>							
					Water Strike	Casing Depth	Sealed At	Rise To	Time (min)	Comments		
										No water strike recorded		
					<b>GROUNDWATER DETAILS</b>							
<b>INSTALLATION DETAILS</b>					Date	Hole Depth	Casing Depth	Depth to Water	Comments			
Date	Tip Depth	RZ Top	RZ Base	Type								

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# GEOTECHNICAL CORE LOG RECORD

**REPORT NUMBER**

18746

<b>CONTRACT</b> N6 Galway Transport Project (Phase 2)	<b>DRILLHOLE NO</b> RC02/04
<b>CO-ORDINATES</b> 533,966.82 E 727,889.85 N	<b>SHEET</b> Sheet 2 of 3
<b>GROUND LEVEL (mOD)</b> 52.27	<b>DATE DRILLED</b> 14/10/2015
<b>CLIENT</b> Galway County Council	<b>DATE LOGGED</b> 14/10/2015
<b>ENGINEER</b> ARUP	<b>DRILLED BY</b> IGSL
<b>RIG TYPE</b> Knebel	<b>LOGGED BY</b> K.Kinsella
<b>FLUSH</b> Air/Mist	
<b>INCLINATION (deg)</b> -90	
<b>CORE DIAMETER (mm)</b> 80	

Downhole Depth (m)	Core Run Depth (m)	T.C.R.%	S.C.R.%	R.Q.D.%	Fracture Spacing Log (mm)	Non-intact Zone	Legend	Description	Depth (m)	Elevation	Standpipe Details	SPT (N Value)
10								<p>Strong to very strong, medium to very thinly bedded, light to dark grey, locally very fractured, fine to medium grained, LIMESTONE (localised stylolites and chert), fresh to locally slightly weathered with slight solution weathering.</p> <p>Discontinuities are medium to closely spaced, smooth to locally rough, planar to locally undulose. Apertures are tight to moderately open, very firm mottled brown/grey clay infill (10.67-10.90m), calcite veined (1mm), iron-oxide stained. Dips are sub-horizontal to very locally sub-vertical. <i>(continued)</i></p>				
10.45												
10.90	100	33	33									
11												
11.95	100	94	88									
12												
13												
13.45												
14	100	99	80									
15												
15.95	96	95	90									
16												
16.45	100	100	100									
17												
17.95	97	93	93									
18												
18.25	100	100	100									
19												
19.45	100	100	100									

<b>REMARKS</b> Hole cased 0.00-5.40m	<b>WATER STRIKE DETAILS</b>							
	Water Strike	Casing Depth	Sealed At	Rise To	Time (min)	Comments		
						No water strike recorded		
<b>GROUNDWATER DETAILS</b>								
<b>INSTALLATION DETAILS</b>				Date	Hole Depth	Casing Depth	Depth to Water	Comments
Date	Tip Depth	RZ Top	RZ Base	Type				

IGSL RC F1 10M 18746.GPJ IGSL.GDT 19/11/15



# GEOTECHNICAL CORE LOG RECORD

**REPORT NUMBER**

18746

<b>CONTRACT</b> N6 Galway Transport Project (Phase 2)		<b>DRILLHOLE NO</b> RC02/04
<b>CO-ORDINATES</b> 533,966.82 E 727,889.85 N		<b>SHEET</b> Sheet 3 of 3
<b>GROUND LEVEL (mOD)</b> 52.27	<b>RIG TYPE</b> Knebel	<b>DATE DRILLED</b> 14/10/2015
<b>CLIENT</b> Galway County Council	<b>FLUSH</b> Air/Mist	<b>DATE LOGGED</b> 14/10/2015
<b>ENGINEER</b> ARUP	<b>INCLINATION (deg)</b> -90	<b>DRILLED BY</b> IGSL
	<b>CORE DIAMETER (mm)</b> 80	<b>LOGGED BY</b> K.Kinsella

Downhole Depth (m)	Core Run Depth (m)	T.C.R.%	S.C.R.%	R.Q.D.%	Fracture Spacing Log (mm)	Non-intact Zone	Legend	Description	Depth (m)	Elevation	Standpipe Details	SPT (N Value)
20	20.60	100	85	57				End of Borehole at 20.60 m	20.60	31.67		
21												
22												
23												
24												
25												
26												
27												
28												
29												

<b>REMARKS</b> Hole cased 0.00-5.40m					<b>WATER STRIKE DETAILS</b>					
					Water Strike	Casing Depth	Sealed At	Rise To	Time (min)	Comments
										No water strike recorded
					<b>GROUNDWATER DETAILS</b>					
<b>INSTALLATION DETAILS</b>					Date	Hole Depth	Casing Depth	Depth to Water	Comments	
Date	Tip Depth	RZ Top	RZ Base	Type						

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**RC02/01 Box 1 (1.50-4.20m)**



**RC02/01 Box 2 (4.20-7.00m)**



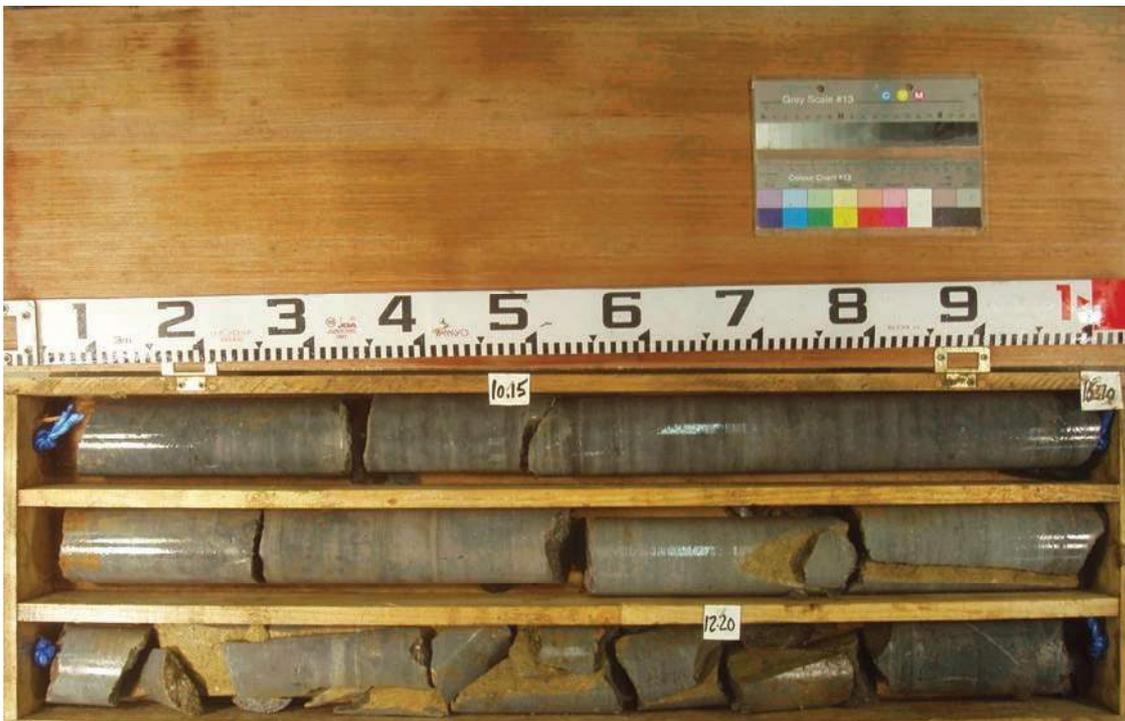
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**RC02/01 Box 3 (7.00-9.70m)**



**RC02/01 Box 4 (9.70-12.50m)**



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**RC02/01 Box 5 (12.50-14.90m)**



**RC02/01 Box 6 (14.90-17.45m)**



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**RC02/01 Box 7 (17.45-19.80m)**



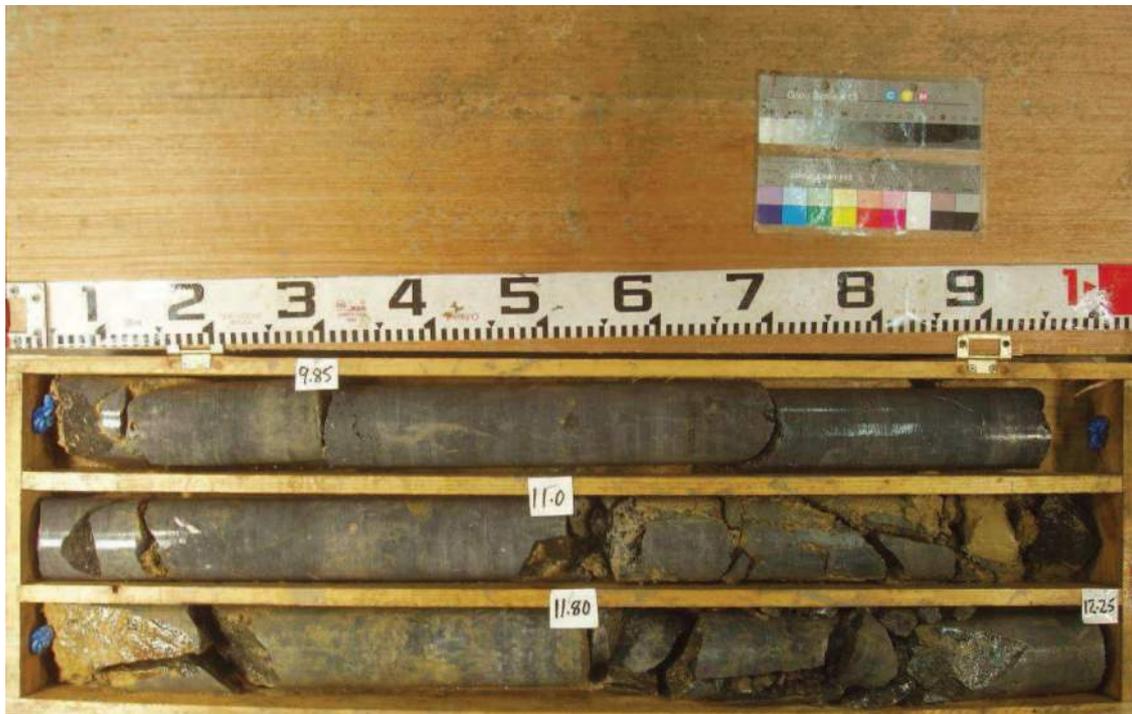
**RC02/02 Box 1 (6.00-9.60m)**



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**RC02/02 Box 2 (9.60-12.25m)**



**RC02/02 Box 3 (12.25-14.75m)**



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**RC02/02 Box 4 (14.75-17.35m)**



**RC02/02 Box 5 (17.35-19.90m)**



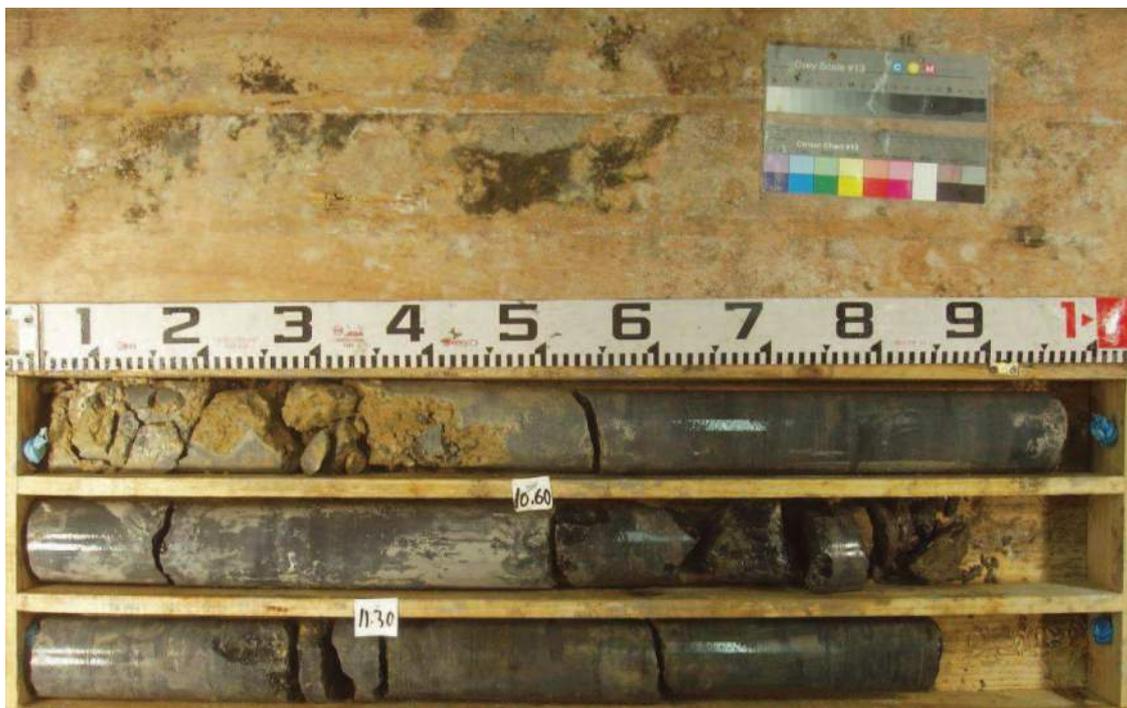
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**RC02/03 Box 1 (4.50-9.20m)**



**RC02/03 Box 2 (9.20-11.80m)**



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**RC02/03 Box 3 (11.80-14.30m)**



**RC02/03 Box 4 (14.30-17.10m)**



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**RC02/03 Box 5 (17.10-20.00m)**



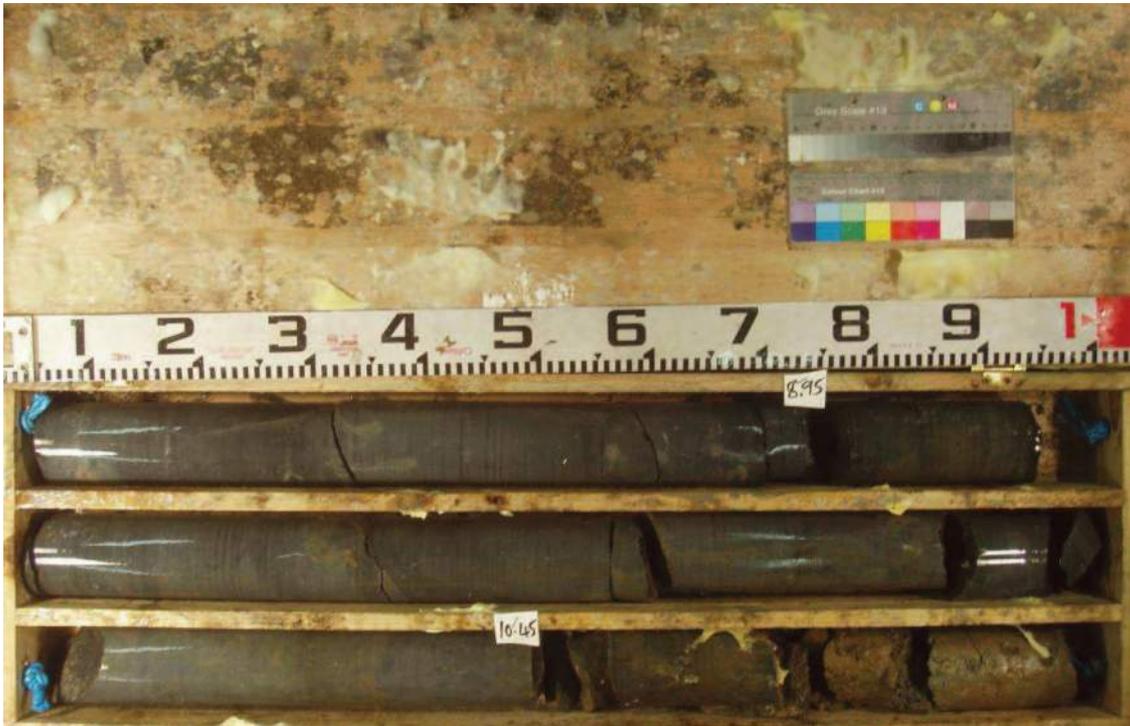
**RC02/04 Box 1 (5.40-8.20m)**



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**RC02/04 Box 2 (8.20-10.90m)**



**RC02/04 Box 3 (10.90-13.45m)**



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**RC02/04 Box 4 (13.45-16.00m)**



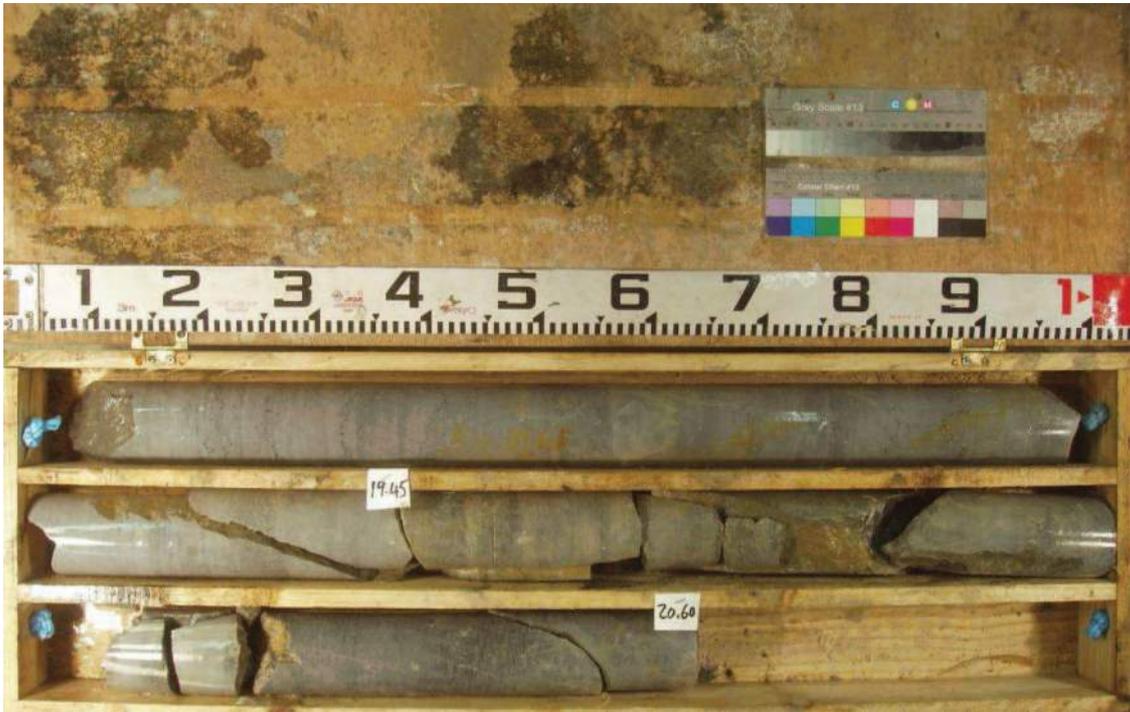
**RC02/04 Box 5 (16.00-18.25m)**



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**RC02/04 Box 6 (18.25-20.60m)**



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