

## Red John Pumped Storage Hydro Scheme

Volume 5, Appendix 5.1: Site Investigation

ILI (Highlands PSH) Ltd.

November 2018

Description         Sco.         Rod         Field Records         Mode         Period P	ethod : Rotary Open Hole	Location	15.00m			Client		Job Numbo L839
ethod : Rolary Open-Hole         Total         SCR         ROD         F1         Field Records         Image: Rolary Open-Hole         Description         Logen         L		Location		Datas		Engineer		Sheet
Image: Second	Depth (m) TCR SCR	258781 E 833235	N	20	/08/2018- /08/2018			1/2
mathematical matrix         Image: Constraint of the second s		RQD FI Fie	eld Records	Level (mOD)	Depth (m) (Thickness)	Description		Legend
lemarks Denotes driller's description iller records full flush returns throughout resurctions form 0.00m to 1.00m to 1.00m for 1 hour		1.20	m. 8/2018:1.20m		(1.20)	#SAND and GRAVEL #GRAVEL #Silty SAND		
iller records full flush returns throughout	emarks Denotes driller's description						Scale (approx)	Logge By
1:50	ller records full flush returns t cavating from 0.00m to 1.00m	hroughout 1 for 1 hour.						

an : A* Mat ro Da : mu tor Da : mu tor Da : mu Data: Roam A BAD         150mm cased to 15:00m         Date: Tor SCH         Date: Tor SCH         Engineer ACOM         Engineer ACOM         Description         Engineer Com         Com         Ceneral Com	chine : M1		KEN		ABC Diamete	<b>RATOR</b>		LTD	RED JOHN PUMPED STORAGE HYDRO		Numb BH(	01
Incarian         Data         Data         Data         Data         Data         Accom         Accom         Bhet           28771         28771         833233 N         Image: Accom         Mode         Accom         20           07675         TCR         SCR         ROD         FI         Field Records         Mode         Description         Legend           1         SCR         SCR         N         N         N         Field Records         Mode         Description         Legend           1         Image: Accom         Image: Acco				15	0mm ca	sed to 15.00m						
Itel - Rotary Open Hole         258781 E 833235 N         20082018- 20082018- Common Account         Account         Description         Legend           Degh         TCR         SCR         ROD         FI         Field Records         (MSS)         Degription         Description         Legend           Degh         TCR         SCR         ROD         FI         Field Records         (MSS)         Degription         Description         Legend				Locatio	n		Dates		Engineer		Sheet	+
	thod : Ro	tary Oper	Hole	25	8781 E 8	333235 N	20	)/08/2018-  /08/2018				
	Depth (m)	TCR	SCR	RQD	FI	Field Records	Level (mOD)	Depth (m) (Thickness)	Description		Legend	ł
narks Scale Logged	notes drille r records f	er's descri full flush r	ption eturns thre	oughout						Scale (approx)	Logged By	1
approx By										1:50		
1:50										Figure N	0	

	ΑΙΤ	KEN	N LA	<b>\B</b> C	ORATOR	IES	LTD	Site RED JOHN PUMPED STORAGE HYDRO	Borehole Number BH02
	Air Mist			Diamet 60mm ca	er sed to 3.00m	Ground I	Level (mOD)	Client	Job Number L839
Core Dia: Method : F		n Hole	Locatio 26		833102 N	Dates 21/ 22/	/08/2018- /08/2018	Engineer AECOM	Sheet 1/2
Depth (m)	TCR	SCR	RQD	FI	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend Safe
							(1.20)	#Grass onto weathered broken SANDSTONE	
1.20	55	11	0	36			1.20	Strong and very strong very thin bedded pink to pinkish grey medium SANDSTONE, faintly weathered and ironstained, very closely spaced rough planar to undular tight bedding at 17 degrees to 26 degrees, closely spaced rough undular tight to slightly open stained, black stained in top 0-60m at 58 degrees, 72 degrees and 84 degrees, medium spaced rough undular tight fractures at 5 degrees to 16 degrees and 42 degrees and opposite to bedding	
2.00	56	21	0	15				medium spaced rough undular tight fractures at 5 degrees to 16 degrees and 42 degrees and opposite to bedding	
3.00	93	39	9	12	Water strike(1) at 3.00m. 21/08/2018:3.00m 22/08/2018:3.00m		1.20		⊻1
4.50	87	24	0	26					
6.00	47	0	0	90			(10.80)		
7.50	56	0	0	34					
9.00 Remarks	55	0	0	32					
Remarks Driller record # Denotes dr Excavating fr	ds full flush riller's desc rom 0.00m	returns thr ription to 0.40m f	roughout for 0.50 ho	ours.				Scale (approx)	Logged By
								1:50 Figure N L839	RB I <b>o.</b> 9.BH02

	AIT	KE		<b>ABC</b>	RATOR	IES	LTD	Site RED JOHN PUMPED STORAGE HYD	DRO	Borehole Number BH02
	Air Mist			Diamet 0mm ca	er sed to 3.00m	Ground	Level (mOD)	Client		Job Number L839
Core Dia : Method : F		n Hole	Locatio 26		B33102 N	Dates 2 2	1/08/2018- 2/08/2018	Engineer AECOM		Sheet 2/2
Depth (m)	TCR	SCR	RQD	FI	Field Records	Level (mOD)	Depth (m) (Thickness)	Description		Legend
10.50					_					
	46	0	0	30						
12.00					22/08/2018:			Complete at 12.00m		
Remarks Driller record # Denotes di	i ds full flush riller's desc	returns the	roughout		I				Scale (approx)	Logged By
									1:50	RB
									Figure N	<b>o.</b> 9.BH02

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	AIT	KEN		<b>BC</b>	ORATOR	IES	L	D	Site RED JOHN PUMPED STORAGE HYDRO	Boreho Number BH03	r
Machine: M Flush : A	Air Mist			Diameto 5mm ca	er sed to 1.00m	Ground	Leve	I (mOD)	Client	Job Numbe L839	r
Core Dia: Method : F		n Hole	Locatio 26		333835 N		3/08/2 4/08/2		Engineer AECOM	Sheet 1/2	
Depth (m)	TCR	SCR	RQD	FI	Field Records	Level (mOD)	D (Thie	epth (m) ckness)	Description	Legend	Water
							հեւնեւնեւնե	(0.30) 0.30 (0.70)	Moss and peat #Hard fractured SANDSTONE	84/2 84/2 84/2 84/2	
1.00	77	20	0	27				1.00	Strong and very strong very thin bedded pink to purplish grey laminated semi-crystalline medium SANDSTONE, faintly ironstained, very closely spaced rough, undular to planar tight bedding at 8 degrees to 26 degrees, closely spaced rough undular tight to slightly open, occasionally stained fractures at 58 degrees, 62 degrees, 74 degrees and 86 degrees		
2.50	80	59	12	18				2.80	Strong and very strong thin to medium bedded pink to purplish grey laminated semi-crystalline medium SANDSTONE, very occasional very thin silty bands, faintly ironstained, closely spaced rough undular to planar tight bedding at 8 degrees to 27 degrees, medium spaced rough planar to undular tight stained fractures at 82 degrees, medium spaced rough planar tight fractures at 8 degrees, medium spaced rough undular tight stained fractures at 26 degrees and nearly opposite to bedding		
4.00	90	63	41	8							71
5.50	93	67	50	8	Water strike(1) at 5.50m. 23/08/2018:5.50m 24/08/2018:			(8.20)			
7.00	77	45	13	10							
8.50	93	35	24	9							
Remarks Driller record # Denotes dr	iller's desc	ription	-						Scale (approx)	Logged By	
Excavating fr	om 0.00m	to 0.30m f	or 0.50 ho	ours.					1:50 Figure No L839.		

	ΑΙΤ	KEN		ABC	RATOR	IES	LTD	Site RED JOHN PUMPED	) STORAGE HYDRO		Borehole Number BH03
Machine : Flush :	Air Mist			Diamete 25mm cas	er sed to 1.00m	Ground	Level (mOD)	Client			Job Number L839
Core Dia: Method :	mm Rotary Oper and Core	n Hole	Locatio 26		333835 N	Dates 23 24	3/08/2018- 4/08/2018	Engineer AECOM			Sheet 2/2
Depth (m)	TCR	SCR	RQD	FI	Field Records	Level (mOD)	Depth (m) (Thickness)		Description		Legend
11.00	75	55	36	6	Field Records			Complete at 11.00m	Description		
Remarks										Scale	Logged
Driller record # Denotes d	ds full flush riller's desci	returns thr ription	oughout							Scale (approx) 1:50	Logged By RB
										Figure N	<b>o.</b> .BH03

	AIT	KEN		ABC	RATOR	IES	Ľ	۲D	Site RED JOHN PUMPED STORAGE HYDRO	Boreho Number BH04	r
	Air Mist			Diamete 0mm cas	er sed to 7.50m	Ground	Leve	el (mOD)	Client	Job Number L839	
Core Dia: 7 Method : F		n Hole	Locatio 26		333524 N		2/08/2 3/08/2		Engineer AECOM	Sheet 1/2	
Depth (m)	TCR	SCR	RQD	FI	Field Records	Level (mOD)	C (Thi	)epth (m) ckness)	Description	Legend	Water
1.00	25	0	0	N/A				(1.00) 1.00	#Grass onto PEAT Strong and very strong (fragments, very badly broken core) very thin bedded pink fine grained SANDSTONE, very closely spaced rough undular tight slightly open stained bedding at 19 degrees, very closely spaced rough undular open stained fractures at 64 degrees, 72 degrees and 88	stra stra stra stra stra stra stra stra	
2.00	5	0	0	N/A				(3.06)	degrees		
3.00	27	3	0	N/A			بابرابرا بابرابرا بابر				21
4.00	27	0	0	N/A	Water strike(1) at 4.00m. 22/08/2018: 23/08/2018:4.00m			4.06	Strong and very strong badly broken very thin bedded dark purplish grey SILTSTONE, occasional thin sandstone bands, ironstained, very closely spaced rough planar tight stained bedding at 12 degrees to 16 degrees, closely spaced rough planar tight to slightly open stained fractures at 64 degrees, 72 degrees and 88 degrees, widely spaced smooth slightly polished undular tight fractures at 27 degrees to 34 degrees		
5.50	34	0	0	N/A			1.	(3.82)			
6.50	87	28	8	39			. I.	7.88 -			
8.00	95	35	0	23				(0.79) 8.67 -	Strong and very strong very thin bedded pinkish grey banded silty fine SANDSTONE, slightly ironstained, very closely spaced smooth planar tight bedding at 6 degrees, very closely spaced smooth to rough planar tight fractures at 82 degrees to 88 degrees Very strong thin bedded pink to pinkish grey banded medium SANDSTONE, slightly ironstained, closely spaced rough planar tight bedding at 14 degrees, closely spaced smooth undular tight stained fractures at 84 degrees, medium spaced rough undular tight fractures at 4 degrees		
9.50								(2.33)	and 64 degrees		
Remarks Driller record # Denotes di Excavating fi	riller's desc	ription			0m, 4.50m and 5.00m a	and 6.00n	n and	7.00m	Scale (approx)	Logged By	
	1011 U.UUIII	10 1.00m	or i nour.						1:50 Figure	RB	_
									Figure L83	<b>vo.</b> 9.BH04	

	AIT	KEN		ABC	RATOR	IES	LTD	Site RED JOHN PUMPED S	TORAGE HYDRO		Boreho Numbe BH04	er
Machine : M Flush : A Core Dia : 7	Air Mist			Diamete 0mm ca	er sed to 7.50m	Ground	l Level (mOD)	Client			Job Numbe L839	
Method : F		n Hole	Locatio 26		333524 N	Dates 22 23	2/08/2018- 3/08/2018	Engineer AECOM			Sheet 2/2	
Depth (m)	TCR	SCR	RQD	FI	Field Records	Level (mOD)	Depth (m) (Thickness)		Description		Legend	Water
11.00	97	65	17	11	23/08/2018:			Complete at 11 00m				
11.00					23/08/2018:			Complete at 11.00m				
Remarks Driller record # Denotes dr	ls loss of flu riller's descr	ish betwee	en 3.50m	and 4.00	)m, 4.50m and 5.00m	and 6.00n	n and 7.00m			Scale (approx)	Logged By	
										1:50 Figure No	RB <b>o.</b>	_
											.BH04	

Excavation		Dimensi 3.50x0.7			Level (mOD)	RED JOHN PUMPED STORAGE HYDRO	Job Numbe
ICB 3CX		3.50X0.7	70m				L839
		Location 261	n 701 E 833981 N	Dates 22	2/08/2018	Engineer AECOM	Sheet 1/1
Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Evel (mOD)	Depth (m) (Thickness)	Description	Legend
0.20 .50 .00 .00 .00 .01 .01 	B1 E2 E2 B3 E3 					Dark brown unconverted PEAT with cobbles         Brown very silty sandy fine to coarse GRAVEL with cobb and boulders of weathered rock         Complete at 1.50m         Complete at 1.50m         emarks         rial pit terminated at a depth of 1.50m due to lack of prografication of throughout	
,							
					. –	ale (approx) Logged By Fig	

Excavation CB 3CX	AITKE	Dimens 3.00x0.	ions	AIU		Level (mOD)	RED JOHN PUMPED S	IORAGE HYDRO	Job Numb
CB3CX		Locatio	n		Dates		Engineer		L839
			1763 E 8339	07 N	22	2/08/2018	AECOM		1/1
Depth (m)	Sample / Tests	Water Depth (m)	Field	l Records	Level (mOD)	Depth (m) (Thickness)		Description	Legend
.10 .10 .30	B1 E1 B2						Dark brown unconverted Mottled brown SANDSTO Complete at 0.35m		
							Frial pit walls remained dry Frial pit terminated at a dep	and stable throughout th of 0.35m due to lack of	progress
		·		•					
'n						•	•		
	· ·								
						1			

		Dimension	BORATO		LTD	RED JOHN PUMPED ST	ORAGE HYDRO	Trial P Numbo TP3
CB 3CX	method	4.00x0.70		Ground	Level (mOD)	Client		Number L839
		Location 26199	95 E 833927 N	Dates 22	2/08/2018	Engineer AECOM		Sheet
Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)		Description	Legend
.20 .50 .50	B1 E1 B2 E2 B3 E3					Dark brown unconverted	PEAT parse SAND and fine to coars ulders of weathered rock	sster sster sster
						Trial pit terminated at a dept Trial pit walls remained dry a	h of 1.30m due to lack of prog and stable throughout	gress

$ + \sum_{\substack{\text{Location}\\ 261760 \ E 833534 \ N}} \frac{\text{Dates}}{21/08/2018} + \frac{\text{Engineer}}{4\text{ECOM}} + \frac{\text{Sheet}}{4\text{ECOM}} + \frac{\text{Sheet}}{4\text{ECOM}} + \frac{1}{1/1} + \frac{1}{1/16} + \frac$	Excavation		Dimensio 3.20x0.80			Level (mOD)	Client		Job Number L839
200       B1 519       B1 529       B1 519       Dark brown florus FLAT with plant structure still evident. Shrong hydrocation addur noted that brown rought were samely file to coarse GRANE in the co				760 E 833534 N	Dates 21	1/08/2018			Sheet 1/1
200       B1 519       B1 529       B1 519       Dark brown florus FLAT with plant structure still evident. Shrong hydrocation addur noted that brown rought were samely file to coarse GRANE in the co	Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	C	Description	Legend
Trial pit walls remained dry throughout   Trial pit walls remained dry throughout   Trial pit walls unstable between 1.80m and 3.00m   Trial pit terminated at a depth of 3.00m due to lack of progress	0.20 0.20 0.50 0.00 0.00 0.00 0.00 0.00	E1 B2 E2 B3 E3 B4					Brown clayey gravelly fine rock. Gravel content is fin Greyish brown very silty v of weathered rock	e to coarse SAND of weathered e to coarse	t. <u>SUE SUE</u>
			·			•		throughout een 1.80m and 3.00m h of 3.00m due to lack of prog	1955
								in of 5.00m due to lack of prog	000
						•			
Scale (approx) Logged By Figure No.	•								
						s	cale (approx)	Logged By F	igure No.

Excavation   JCB 3CX Depth (m)	Method	Dimension 1.00m X (	ns ).50m	Ground	Level (mOD)	Client			Job
Depth (m)									Number L839
Depth (m)		Location		Dates 22	2/08/2018	Engineer			Sheet
(ṁ)			37 E 833322 N	Lovel	Denth	AECOM			1/1
	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)		Description		Legend
n .						Mottled brown SAND Complete at 0.05m	STONE (Bedrock)		
	· ·	· ·	· ·	· ·					
	· ·	• •	· ·	· .		e (approx)	Logged By	Figure No.	

Excavation JCB 3CX	Method	Dimension 3.50x0.70		Ground	Leve	el (mOD)	D) Client Engineer AECOM		Job Number L839 Sheet 1/1	
		Location 26111	0 E 832842 N	Dates 21	1/08/2	2018				
Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	C (Thi	Depth (m) ckness)		Description	Legend	
0.20 0.50 1.00 1.00 Plan .	E1 B1 E2 B2 E3  					(0.40) 0.40 (0.50) 0.90 (0.50) 1.40 1.50	hydrocarbon odour noted	plant structure still evident. Strong ine to coarse SAND and fine to hered sandstone DNE (Probable bedrock)		
	· ·	· ·				•				

Excavation	AITKE	Dimension 4.00×0.7	ons			Level (mOD)	RED JOHN PUMPED ST	ORAGE HYDRO	Job Numbe
		Location 261	050 E 833037	N	Dates 22	2/08/2018	Engineer AECOM		L839 Sheet 1/1
Depth (m)	Sample / Tests	Water Depth (m)	Field R	ecords	Level (mOD)	Depth (m) (Thickness)		Description	Legend
2.10 2.60	E1 B1 E2						TOPSOIL with cobbles an	rse SAND and fine to coarse d occasional boulders of	
							Trial pit walls remained dry a Trial pit terminated on an ob	and stable throughout sstruction at a depth of 1.00m	
•	· ·		· ·	•	· ·		cale (approx)	Logged By	Figure No.

Excavation I CB 3CX	AITKE	Dimensi 3.50x0.7	ions			Level (mOD)	D) Client	Job Numb L839	
		Location 261	n 1 086 E 83	3189 N	Dates 22	2/08/2018	Engineer AECOM		Sheet 1/1
Depth (m)	Sample / Tests	Water Depth (m)	Fi	eld Records	Level (mOD)	Depth (m) (Thickness)	C	Description	Legend
.15 .50 .50	B1 B2 E2						weathered rock OBSTRUCTION (Proba Complete at 0.70m	se SAND and fine to coarse d occasional boulders of	
lan .							emarks Trial pit walls remained dry a Trial pit terminated on an ob	and stable throughout struction at a depth of 0.70m	
		·	·						
•									

	AIIKEI		BORATO	RIES	LID	RED JOHN PUMPED STORAGE HYDRO	TPS	
Excavation JCB 3CX	Method	Dimension 4.00x0.70		Ground	Level (mOD)	Client	Job Numbe L839	
		Location 26116	66 E 833171 N	Dates 22	2/08/2018	Engineer AECOM	Sheet 1/1	
Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	
0.15 0.15 0.50 0.50	B1 B2 E2					Dark brown unconverted PEAT Brown clayey fine to coarse SAND and fine to coarse GRAVEL with cobbles and occasional boulders of weathered rock OBSTRUCTION (Probable bedrock) Complete at 0.70m		
						rial pit walls remained dry and stable throughout rial pit terminated on an obstruction at a depth of 0.70m		
·								

Excavation		Dimensior			LID	RAGE HYDRO	Number TP10 Job Number	
JCB 3CX		3.50x0.70	m			-		
		Location 26080	06 E 834008 N	Dates 22	2/08/2018	Engineer AECOM		<b>Sheet</b> 1/1
Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	De	escription	Legend
).20 ).20 ).50 ).50	B1 E1 B2 E2					Peaty TOPSOIL Brown very clayey sandy fir cobbles and boulders of we	ne to coarse GRAVEL with me eathered rock	Jch
1.00 1.00 2.00	B3 E3 B4				2.00	Complete at 2.00m		
Plan						Remarks		
· ·	· ·				• •	Trial pit terminated at a depth Trial pit walls remained dry b	n of 2.00m due to lack of prog ut unstable throughout	ress
 	· ·		 		 			
					1			

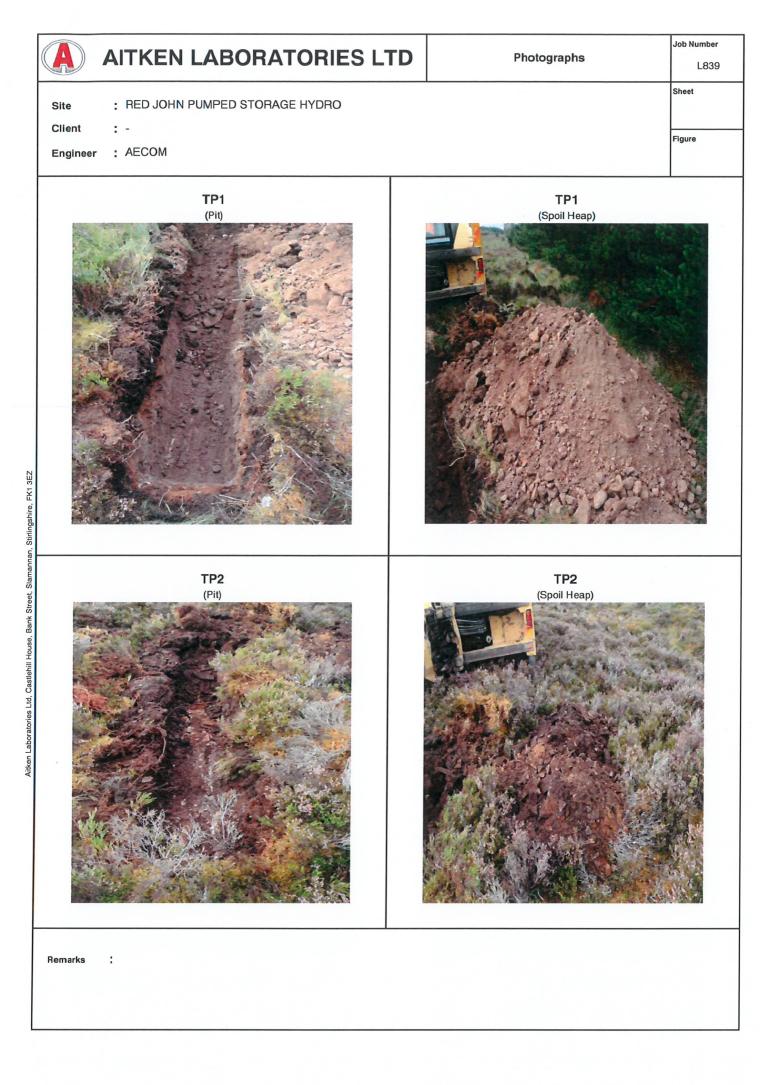
Excavation JCB 3CX	Method	Dimen: 3.00×0		Ground	d Level (mO	D) Client	Job Numbe L839	
		Locatio 26	on 81425 E 833524 N	Dates 2	2/08/2018	Engineer AECOM	Sheet 1/1	
Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thicknes	s) Description	Legend	
(m) 0.20 0.20 0.70 0.70 9.70	Sample / lests		Field Records         Water strike(1) at 1.00r         .       .         .       .         .       .         .       .         .       .         .       .         .       .			Dark brown unconverted PEAT with cobbles and boulders Greyish brown very clayey fine to coarse SAND and fine to coarse GRAVEL of weathered rock with pockets of clay	Legend	

	AITKE		BORATO	RIES	LTD	Site RED JOHN PUMPED S	TORAGE HYDRO	Trial Pit Number TP12
Excavation I JCB 3CX	Method	Dimensio 4.00x0.70		Ground	Level (mOD)	Client		Job Number L839
		Location 2614	53 E 833477 N	Dates 22	2/08/2018	Engineer AECOM		Sheet 1/1
Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)		Description	Legend
0.20 0.50	B1 E1 B2					Dark brown unconverted Mottled brown SANDSTO Complete at 0.60m		
						Frial pit terminated at a dep Frial pit walls remained dry	th of 1.50m due to lack of p and stable throughout	progress
				· ·				
					Sc	ale (approx) 1:50	Logged By	Figure No. L839.TP12

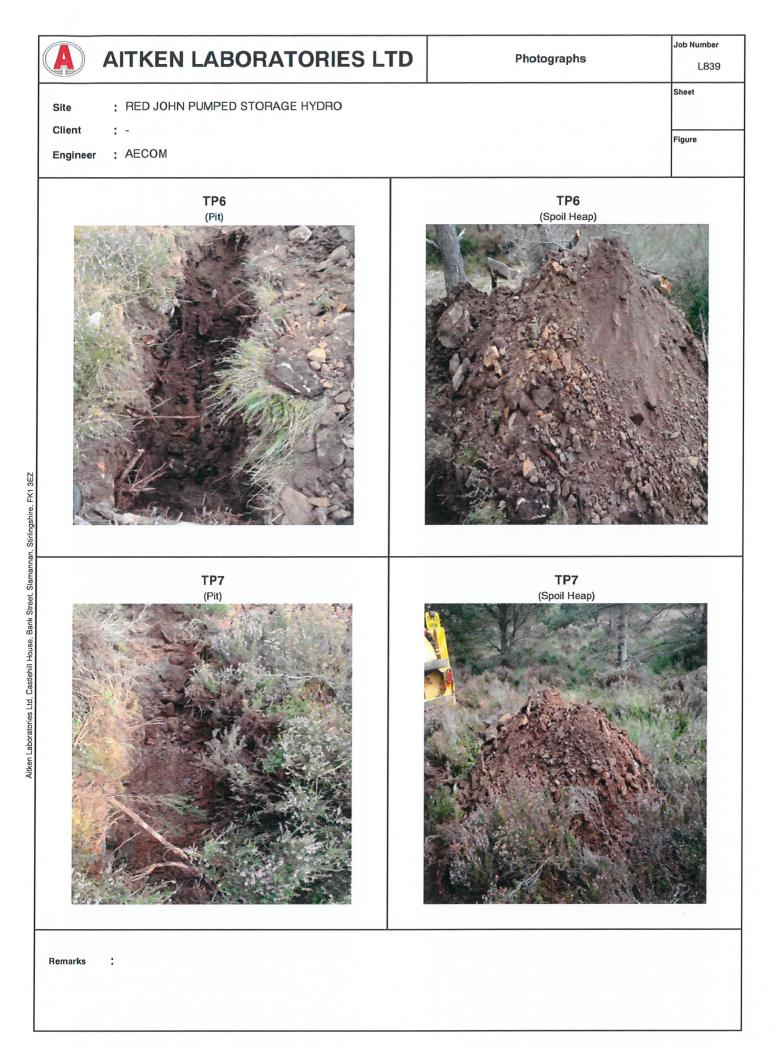
Excavation	Method	Dimensions 4.00x0.80m			Ground	Leve	el (mOD)	D) Client		Job Number	
JCB 3CX		4.00x0	.80m							Numb L83	
		Locatio			Dates 2	1/08/2	2018	Engineer		Shee	
Denth			8759 E 833	209 N			) a m d h	AECOM		1/	_
Depth (m)	Sample / Tests	Water Depth (m)	Fie	ld Records	Level (mOD)	(Thi	Depth (m) ickness)		Description	Legen	d
0.10	E1						(0.20) 0.20	TOPSOIL			K//:
.50	B1						(0.50)	GRAVEL with roots	e SAND and fine to coarse	× ×	
.50	E2						0.70	Orange brown slightly si GRAVEL	ilty slightly sandy fine to coarse	** *	
.00 .00	B2 E3					ևև	1.30	Brown slightly silty very	sandy fine to coarse GRAVEL	×.	
.50	B3					h	(0.50)			×	
							1.80	Brown slightly silty grave content is fine to coarse	elly fine to coarse SAND. Gravel	• X o • X o • X	
.20	B4						(0.70)			× ×	
							2.50	Stiff consistency mottled occasional bands of san	laminated brown sandy CLAY with d		
00	B5						(1.00)	at 3.00m, becoming	firm		4
							3.50	Prown clovey clightly gr	welly find to opprove CAND with		•
							(0.80)	occasional pockets of cla	avelly fine to coarse SAND with ay. Gravel content is fine to coarse	• •	
00	B6										
			Water strik	e(1) at 4.30m.		بابتليليليليا	4.30	Complete at 4.30m			
						ılılılı					
						ւհւհ					
						-					
lan .		•					•	emarks rial pit walls remained sta	ble throughout		
								nai pretivano romanica dia			

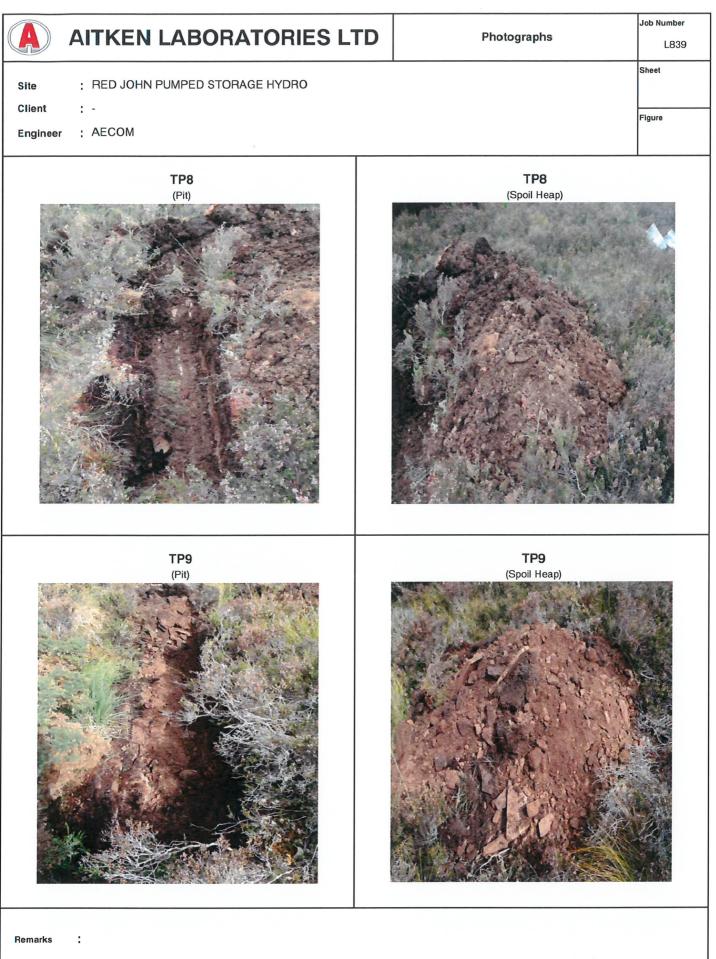
			BORAT				IOHN PUMPED STORAGE HYDRO		
Excavation CB 3CX	Method	3.50x1.80		Ground	l Level (mOD)	Client		Job Numb L83	
		Location		Dates	1/08/2018	Engineer		Sheet	
		2587	86 E 833264 N	2	1/00/2018	AECOM		1/1	
Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	C	Description	Legend	
.10	E1				(0.25) 0.25	TOPSOIL			
					(0.25) 0.25 (0.25) 0.50 (0.25) 0.50	Brown silty fine to coarse GRAVEL with roots	SAND and fine to coarse	X X X X	
.60 .60	B1 E2					Orange brown silty slightl	y sandy fine to coarse GRAV	EL	
								* * *	
20 20	B2 E3				(1.60)			×	
.20	23							* * *	
								×.	
00	B3				2.10	Complete at 2.10m			
lan					E	emarks			
						Trial pit walls remained dry l Trial pit terminated at a dept	but unstable throughout h of 2.10m due to collapse		
•					•				
•	•				•				
					. –	cale (approx)	Logged By	Figure No.	

	AITKE	I LA	BORATOR	RIES	LTD	Site RED JOHN PUMPED S	FORAGE HYDRO	Trial Pit Number TP15
Excavation JCB 3CX	Method	Dimensio 3.50x0.7		Ground	Level (mOD)	Client		Job Number L839
		Location 260	700 E 834055 N	Dates 22	2/08/2018	Engineer AECOM		Sheet 1/1
Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)		Description	Legend S
0.05 0.50 0.50 1.00 1.00	E1 B1 E2 E3 B3					Peaty TOPSOIL Brown very clayey sandy cobbles and boulders of OBSTRUCTION (Possi Complete at 1.80m	r fine to coarse GRAVEL with weathered rock	much
Plan .						e <b>marks</b> Trial pit terminated on an ob	ostruction at a depth of 1.80m	1
						Trial pit walls remained dry	ostruction at a depth of 1.80m and stable throughout	
	• •							
					. So	cale (approx)	Logged By	Figure No.
						1:50	PB	L839.TP15





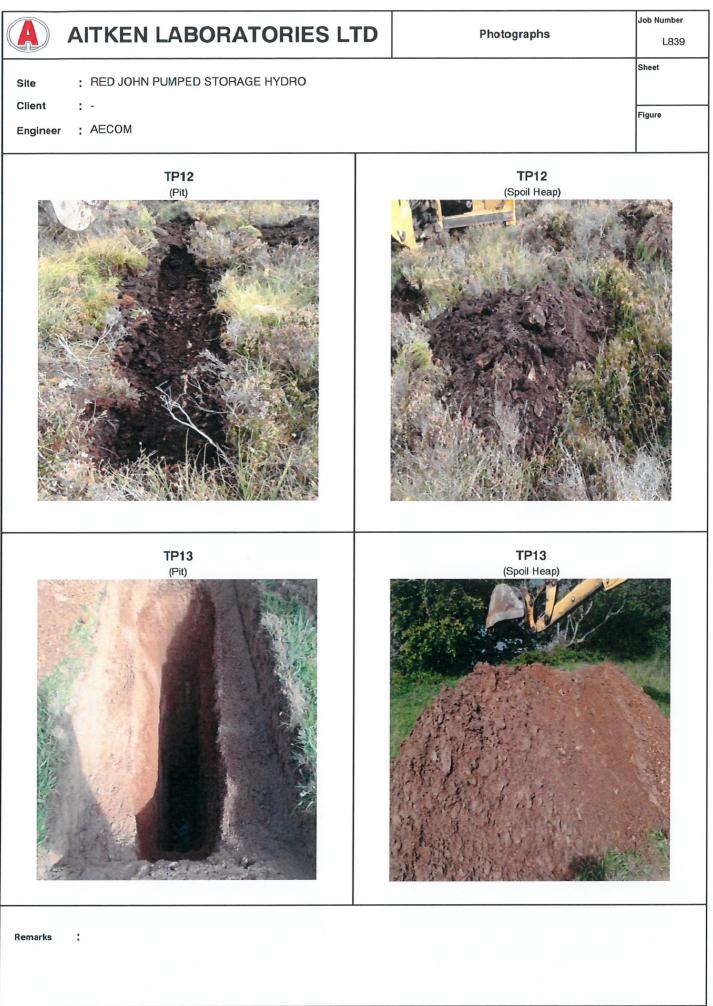




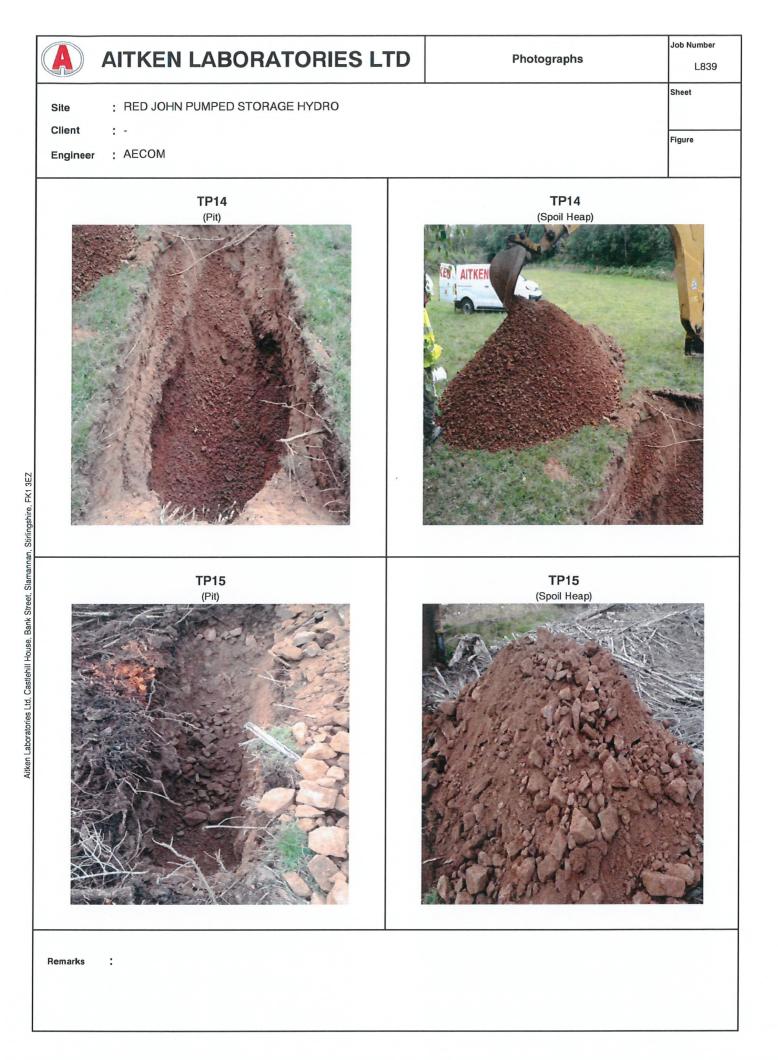
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