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									DISCON	TINUITY S	URVEYD	ATA SH	EET						_		
GEM	ERAL INFORMATIC	N																			
_	Location	1	Station	/ Hole No.		D-4	Day	Month	Year	1		horseste		T ~						_	
_						Las	<u> </u>		-	1		hspecio	1	1 0	sheet.ro				L		
-	URE AND ORIENTS	Them of the	ecos The	all y																	
-	UNE AND UNDENTA	now or be	SCONTINU	De			Apertare/	Nature of	Strength of	Surface	Surface	Waviness	Waviness		Water						
0	Chainage or Depth	Type	Die	Direction	Persistence	Termination	Width	Filing	Filing	Roughness	Shape	Wavelength	Amplitude	JRC	Fice	Specing			Remarks		
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Туре	,	Persia	dence		Aper	turelwidth		Nature	of filling	L	Compre	saive strength	of infilling			Water flow (or	pen)		Water flo	er (filled)	
0 5		1 Van la	_	-1-	1 Van Gelei	(-0.1 mm)		1 Chan			01 New and all		MPa 0.025		0 Tee			6 Test	Teo materials	and he will	
1. Fe	ault .	persist	ence		2. Tight (0.1-7	0.25 mm)		2. Surface st	aining		S2 Soft city		0.025-0.05		water for	v along it does not	t appear	const	pideted and d	ky, significant	
2.30	siet.	2. Low		1-3 m	3. Party open	n (0.25-0.5 mm)		3. Non-cohes	sive		S3 Fem clay		0.05-0.10		possible 1. The data	l Marine des la site addition		fow a	spears unlike	ely due to very	
4.50	chistosity	3. Medium	1	3-10 m	5. Moderately	y wide (2.5-10 mm	0	5. Sweling d	lay or clay matrix		S5 Very still cli	ry .	0.25-0.50		evidence	of water flow.		7. The S	ling materials	are damp, but	
5.8	hear	4 Hob	rce	10.20 -	6. Wide (>10 7. Versueide	-mm) (1-30.cm)		 Cemented Chirale to 	i ir cennom		S6 Hard day R0 External v	and mult	+0.50		2. The disco	ntinuity is dry but i	shows	no fre 8 The S	ze water is pre line materials	cont.	
7. Te	ension Crack	persis	dence		8. Extremely	wide (10-100 cm)		8. Other - sp	ecity		R1 Very week	rock	1.0-5.0		staining.	etc.		occas	sional drops of	l water.	
8. Fe	olation	5. Very I	high dence	×20 m	9. Cavemous	2 (>2 m)					R2 Week rock R3 Medium ste	one mult	5.9-25 25:50		3. The disco	ntinuity is damp by	ut no free	3. The N	Jing materials ach cominum	show signs of from of water	
											R& Strong rock		50-100		4. The disco	ntinuity shows see	npage,	(estim	nate litres/min	wite).	
											R5 Very strong R5 Extremely s	rock trong rock	100-250 >250		continues	al drops of water, i us flow.	but no	10. The fi	Jing materials locally, consid	J are washed locable water	
															5. The disco	ntinuity shows a o	ontinuous	fow a	slong out-was	h channels	
		0. Neither	Terminatik end visible	an .	Suita 1. Siepped	ice shape		1. Rough			apacing 1. Extremely close spacing <20 mm				fow of we describe	der (Estimate 1/m pressure, i.e. low	m and medium,	pressure, i.e. low, medium, high).			
		1. One en	d visible		2. Undulating	,		2. Smooth			2. Very close up	acing	20-60 mm		high).						
		2. Both er	di volbie		3. Planar			 Polished Sickensid 	ed		 Close space Moderate spi 	9 ncing	60 - 200 mm 200 - 600 mm								
											5. Wide spacing 6. View wide on	l.	600 - 2000 mm								
											7. Extremely wi	de spacing	>6000 mm								
1	1 1			i	1	1 1		4	4 1	1	2 ×	4	1 1	i)	4 - E		1	1 1	(
4-	····	~~~~			aafaaa	-faanda	aaafaa	anþan	-þanað		·daarda	····		aaaqaa		haan	Wyll	ie &	Mah	(200	
						1 1		4	4 1		-1 - F	4				4 4		1	1.1.1	× 11	



























Hudson, J Elsevier S Mah, J anatysis 2 Priest, S London, Wyllie, D	JA & H Science: Samson Internat 5D (198) 5D (198)	larrison Oxfor 1, C, M <i>tional J</i> 15). He ah, CW	n, JP [•] d. AcKinn <i>Tourna</i> emispl / (200	(199 non, <i>al of</i> heric 04) .	97). SD Rock	Eng & T k Mi Proje	ginee hibo echo ectio	erinc odea anics on M Engi	g Roi Iu, C S & A Neth Ineer	ck Ma 6 (20 M <i>inin</i> a Nods ring (echai 13). 7 <i>Sci</i> in R 4 th e	nics 3D ience ock ditic	- Ai lase S 51 Me	n In 8: 11 char Spo	nagii 11-1: nics.	duct ng f 17 Ge	tion for : Lo	to surf	the ace Allen	Prin rou &	ciple ghne Unw	
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wyllie, D	ос « Ма	ah. CW	/ (20(04).	Rock	k Slo	ope	Engi	ineer	ring (4 th e	ditic	n).	Spo	n Pr	ess	to	ndo	n.			
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