

Form P.70 (Series 610)	5 K 47 SW /24	6-inch Map	B/H Regd.No
SECTION OF	BOLSOVER NO. 16 UNDERGROUND D.B.	(County, Sheet an	d Qtr.)
	rove First Piper, Tupton & Threequarters	SK 47 (Nat. Grid, Sheet a	_
EXACT SITE	N 370553 Differ slightly	Attach tracin sketch map if	g from a map or possible
DATE OF SINKING O	from N.C.B. Location Plan Plan Geommenced Relative to 0.0. 8743.5 ct. 8613 (Tony Smit R BORING May - June 1970 N.C.B. Boring Team		rgist
	by P. Boam and P.G. Strauss	THICKNESS	DEPTH
GEOLOGICAL CLASSIFICATION	NATURE OF STRATA	III TORNESS	, , , , , , , , , , , , , , , , , , ,

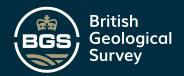
GE OLOG I CAL	NATURE OF STRATA	THICKN	ESS	DEI	TH
CLASSIFICATION	•	FEET	IN.	FEET	IN.
	Cores:			10	0
Siltstone	fine, muddy in parts; laminated; plants				
	including strap plants	1	7		
				11	7
			ļ		
	fine, with sandstone fine lenticular				
	laminae and layers, slurry 12/4 to 13/0				
	and basal 0/10, ripple marks, load and				
	pouch structures with crumpled bedding,				
	worm burrows throughout	12	1		
	a committee of the comm			23	8
ļ	ine				
Sandatone	rib and furrow in top 0/4, small scale				
	cross-bedded inclined units to 25/0 cank				1N. O 7 8 8 0
	25/0 to 26/5, dune set 26/5 to 27/2,				
	slurry and crumpling 27/2 to base	t.	9		
	sturry and crumpling 2//2 to base	4	9	28	- F
	Continue.			ΖΩ)
	This manufacture and the state of the state			. 1.4 1 4 10 10 10 10 10 10 10 10 10 10 10 10 10	
Sandstone	fine, discontinuous, gently inclined				
	laminae with diastems and abundant dark				
	micaceous planty planes, well jointed with				
1 2	galena with silty laminae below 34/0	6	0		
			ļ	34	- 5
Siltstone	fine, vaguely laminated, rare sandy				
	laminae to 35/8, several ironstone bands				
,	up to 0/1 thick	4	7		
				39	0
Mudstone,	unlaminated, wormy, distinctly wormy and		L	İ	
	slightly shaly below 42/5, rare ironstone				
	bands up to 0/1 thick, single non-marine	·	1		
	lamellibranchs at 45/4	6	6		
				45	6
* Mudstone	slightly shaly, wormy few ironstone				
	nodules	2	0		1
				47	6
	1		ļ		
	Constitution and the Constitution and the Constitution of the proposition of the constitution and the Constitution of the Cons		1		
1 6			1		
6					
10		parameter to the co	ļ		
	to gapped to the consequence of		ļ		
			ļ		
				l	



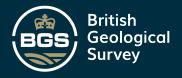
ORM Р. 71	SK 47 SW 24	8-INCH	MAP		B/H
ERIES 680					
ection of	BOLSOVER NO. 16 UNDERGROUND D.B.			/	
		*Delet	e as appr	opriate	
GEOLOGICAL		THICK			PTH
CLASSIFICATION	NATURE OF STRATA	morft*	cm or in*	+	
071.		 		47	6
SEAM TIRST PIPER	coal bright 0/101				+
TRST PIPER	coal bright $0/10$ 5 mudstone $0/0\frac{1}{4}$				1
	coal bright 0/5				
	midstone 0/1				\perp
	coal bright $0/7\frac{1}{2}$				-
	dirty coal 0/2				+
	coal bright 0/23 Seatearth, mudstone 0/3		-		+
	coal bright 0/51		 		+-
	Seatearth, mudstone 0/5		1		
	coal and dirt 1/0				
	cosl 1/9½	ļ	ļ		+
	Core recovery 100%	-).	 	+-
	Thickness checked by good hand-timed graph	6	4	53	1
				1	
* Seatearth	mudstone with coal laminae listric			1	1.
nes test mi	surfaces	0	3		I
				54	1
		-	 	 	+
Core Lost		0	5	54	$+\epsilon$
		 		24	+
0444	siltatone fine, abundant root nodules to			 	
Seatearth	60/2 rooty, fragmented in top 0/8, muddy				
	with coal streaks 58/11 to 59/0	7	1	I	i
	MINING MANAGEMENT OF THE PROPERTY OF THE PROPE	<u> </u>			$\overline{}$
Siltstone	fine, massive, some comminuted plant debris			61	7
Siltatone	fine, massive, some comminuted plant debris roots to 63/0, Calamites at 64/0 and occasionally below, ferns at 65/0 abundant plant fragmants below 65/2, muddy vaguely wormy 68/10 to 69/3, minute plant debris			61	
Siltstone	fine, massive, some comminuted plant debris roots to 63/0, Calamites at 64/0 and occasionally below, ferns at 65/0 abundant plant fragments below 65/2, muddy vaguely wormy 68/10 to 69/3, minute plant debris below 69/3, irregular sandy laminae 72/2			61	
Siltatone	fine, massive, some comminuted plant debris roots to 63/0, Calamites at 64/0 and occasionally below, ferns at 65/0 abundant plant fragmants below 65/2, muddy vaguely wormy 68/10 to 69/3, minute plant debris	20	10		
Siltatone	fine, massive, some comminuted plant debris roots to 63/0, Calamites at 64/0 and occasionally below, ferns at 65/0 abundant plant fragments below 65/2, muddy vaguely wormy 68/10 to 69/3, minute plant debris below 69/3, irragular sandy laminae 72/2 to 72/4, and occasionally below, ferns at	20	10	82	
	fine, massive, some comminuted plant debris roots to 63/0, Calamites at 61/0 and occasionally below, ferns at 65/0 abundant plant fragments below 65/2, muddy vaguely wormy 68/10 to 69/3, minute plant debris below 69/3, irregular sandy laminae 72/2 to 72/4 and occasionally below, ferns at 77/7 sharp	20	_10		
Siltatone Mudstone	fine, massive, some comminuted plant debris roots to 63/0, Calamites at 61/0 and occasionally below, ferns at 65/0 abundant plant fragments below 65/2, muddy vaguely wormy 68/10 to 69/3, minute plant debris below 69/3, irregular sandy laminae 72/2 to 72/4, and occasionally below, ferns at 77/7. sharp shaly highly carbonaceous, abundant	20	10		
	fine, massive, some comminuted plant debris roots to 63/0, Calamites at 61/0 and occasionally below, ferns at 65/0 abundant plant fragmants below 65/2, muddy vaguely wormy 68/10 to 69/3, minute plant debris below 69/3, irregular sandy laminae 72/2 to 72/4, and occasionally below, ferns at 77/7 sharp shaly highly carbonaceous, abundant ostracods and fish and non-marine	20	10		
	fine, massive, some comminuted plant debris roots to 63/0, Calamites at 61/0 and occasionally below, ferns at 65/0 abundant plant fragments below 65/2, muddy vaguely wormy 68/10 to 69/3, minute plant debris below 69/3, irregular sandy laminae 72/2 to 72/4, and occasionally below, ferns at 77/7. sharp shaly highly carbonaceous, abundant				
	fine, massive, some comminuted plant debris roots to 63/0, Calamites at 61/0 and occasionally below, ferns at 65/0 abundant plant fragmants below 65/2, muddy vaguely wormy 68/10 to 69/3, minute plant debris below 69/3, irregular sandy laminae 72/2 to 72/4, and occasionally below, ferns at 77/7 sharp shaly highly carbonaceous, abundant ostracods and fish and non-marine			82	
Mudstone SEAM	fine, massive, some comminuted plant debris roots to 63/0, Calamites at 64/0 and occasionally below, ferns at 65/0 abundant plant fragments below 65/2, muddy vaguely wormy 68/10 to 69/3, minute plant debris below 69/3, irragular sandy laminae 72/2 to 72/4, and occasionally below, ferns at 77/7 sharp shaly highly carbonaceous, abundant ostracods and fish and non-marine lamellibranchs			82	
M udstone	fine, massive, some comminuted plant debris roots to 63/0, Calamites at 64/0 and occasionally below, ferns at 65/0 abundant plant fragments below 65/2, muddy vaguely wormy 68/10 to 69/3, minute plant debris below 69/3, irragular sandy laminae 72/2 to 72/4, and occasionally below, ferns at 77/7 sharp shaly highly carbonaceous, abundant ostracods and fish and non-marine lamellibranchs Cannel (solid core) 0/9			82	
Mudstone SEAM	fine, massive, some comminuted plant debris roots to 63/0, Calamites at 64/0 and occasionally below, ferns at 65/0 abundant plant fragments below 65/2, muddy vaguely wormy 68/10 to 69/3, minute plant debris below 69/3, irregular sandy laminae 72/2 to 72/4 and occasionally below, ferns at 77/7 sharp shaly highly carbonaceous, abundant ostracods and fish and non-marine lamellibranchs Cannel (solid core) 0/9 Mudstope shaly, with few ostracods 0/4			82	
Mudstone SEAM	fine, massive, some comminuted plant debris roots to 63/0, Calamites at 64/0 and occasionally below, ferns at 65/0 abundant plant fragments below 65/2, muddy vaguely wormy 68/10 to 69/3, minute plant debris below 69/3, irregular sandy laminae 72/2 to 72/4 and occasionally below, ferns at 77/7 sharp shaly highly carbonaceous, abundant ostracods and fish and non-marine lamellibranchs Cannel (solid core) 0/9 Mudstone shaly, with few ostracods 0/4 Mudstone canneloid, with n.m.1. 0/2			82	
Mudstone SEAM	fine, massive, some comminuted plant debris roots to 63/0, Calamites at 61/0 and occasionally below, ferns at 65/0 abundant plant fragmants below 65/2, muddy vaguely wormy 68/10 to 69/3, irregular sandy laminae 72/2 to 72/4 and occasionally below, ferns at 77/7 sharp shaly highly carbonaceous, abundant ostracods and fish and non-marine lamellibranchs Cannel (solid core) 0/9 hudstone shaly, with few ostracods 0/4 Mudstone canneloid, with n.m.l. 0/2 Cannel (solid core) 0/2 Mudstone, shaly 0/4			82	
Mudstone SEAM	fine, massive, some comminuted plant debris roots to 63/0, Calamites at 61/0 and occasionally below, ferns at 65/0 abundant plant fragmants below 65/2, muddy vaguely wormy 68/10 to 69/3, minute plant debris below 69/3, irregular sandy laminae 72/2 to 72/4 and occasionally below, ferns at 77/7 sharp shaly highly carbonaceous, abundant ostracods and fish and non-marine lamellibranchs Cannel (solid core) 0/9 hindstone shaly, with few ostracods 0/4 Mudstone canneloid, with n.m.l. 0/2 Cannel (solid core) 0/2 Mudstone, shaly 0/4 Ironstone band 0/2			82	
Mudstone SEAM	fine, massive, some comminuted plant debris roots to 63/0, Calamites at 64/0 and occasionally below, ferns at 65/0 abundant plant fragmants below 65/2, muddy vaguely wormy 68/10 to 69/3, minute plant debris below 69/3, irregular sandy laminae 72/2 to 72/4, and occasionally below, ferns at 77/7 sharp shaly highly carbonaceous, abundant ostracods and fish and non-marine lamellibranchs Cannel (solid core) 0/9 Mudstone shaly, with few ostracods 0/4 Mudstone, shaly 0/2 Ironstone band 0/2 Mudstone with fish and phosphatic	0		82	
Mudstone SEAM	fine, massive, some comminuted plant debris roots to 63/0, Calamites at 64/0 and occasionally below, ferns at 65/0 abundant plant fragments below 65/2, muddy vaguely wormy 68/10 to 69/3, minute plant debris below 69/3, irregular sandy laminae 72/2 to 72/4, and occasionally below, ferns at 77/7 sharp shaly highly carbonaceous, abundant ostracods and fish and non-marine lamellibranchs Cannel (solid core) Mudstone shaly, with few ostracods 0/4 Mudstone canneloid, with n.m.l. 0/2 Cannel (solid core) Mudstone, shaly Ironstone band Mudstone with fish and phosphatic remains at base and ostracods 0/11	0		82	
Mudstone SEAM	fine, massive, some comminuted plant debris roots to 63/0, Calamites at 64/0 and occasionally below, ferns at 65/0 abundant plant fragments below 65/2, muddy vaguely wormy 68/10 to 69/3, minute plant debris below 69/3, irregular sandy laminae 72/2 to 72/4 and occasionally below, ferns at 77/7 sharp shaly highly carbonaceous, abundant ostracods and fish and non-marine lamellibranchs Cannel (solid core) 0/9 Mudstone shaly, with few ostracods 0/4 Mudstone canneloid, with n.m.l. 0/2 Cannel (solid core) 0/2 Mudstone with fish and phosphatic remains at base and ostracods 0/11 COAL, bright (complete) 0/5	0		82	
Mudstone SEAM	fine, massive, some comminuted plant debris roots to 63/0, Calamites at 64/0 and occasionally below, ferns at 65/0 abundant plant fragments below 65/2, muddy vaguely wormy 68/10 to 69/3, minute plant debris below 69/3, irragular sandy laminae 72/2 to 72/4, and occasionally below, ferns at 77/7 sharp shaly highly carbonaceous, abundant ostracods and fish and non-marine lamellibranchs Cannel (solid core) 0/9 Mudstone shaly, with few ostracods 0/4 Mudstone, shaly 0/4 Ironstone band 0/2 Mudstone with fish and phosphatic remains at base and ostracods 0/11 COAL, bright (complete) 0/5 Seatearth siltstone with large n.m.1	0		82	
Mudstone SEAM	fine, massive, some comminuted plant debris roots to 63/0, Calamites at 64/0 and occasionally below, ferns at 65/0 abundant plant fragments below 65/2, muddy vaguely wormy 68/10 to 69/3, minute plant debris below 69/3, irregular sandy laminae 72/2 to 72/4 and occasionally below, ferns at 77/7 sharp shaly highly carbonaceous, abundant ostraceds and fish and non-marine lamellibranchs Cannel (solid core) 0/9 Mudstone shaly, with few ostraceds 0/4 Mudstone canneloid, with n.m.l. 0/2 Cannel (solid core) 0/2 Mudstone, shaly 0/4 Ironstone band 0/2 Mudstone with fish and phosphatic remains at base and ostraceds 0/11 COAL, bright (complete) 0/5 Seatearth siltstone with large n.m.l dark 0/3 Ironstone band 0/3	0		82	
Mudstone SEAM	fine, massive, some comminuted plant debris roots to 63/0, Calamites at 64/0 and occasionally below, ferns at 65/0 abundant plant fragments below 65/2, muddy vaguely wormy 68/10 to 69/3, minute plant debris below 69/3, irregular sandy laminae 72/2 to 72/4, and occasionally below, ferns at 77/7 sharp shaly highly carbonaceous, abundant ostraceds and fish and non-marine lamellibranchs Cannel (solid core) 0/9 Mudstone shaly, with few ostraceds 0/4 Mudstone canneloid, with n.m.l. 0/2 Cannel (solid core) 0/2 Mudstone, shaly 0/4 Ironstone band 0/2 Mudstone with fish and phosphatic remains at base and ostraceds 0/11 COAL, bright (complete) 0/5 Seatearth siltstone with large n.m.l dark 0/3 Ironstone band 0/3 Seatearth, mudstone listric 0/7	0		82	
Mudstone SEAM	fine, massive, some comminuted plant debris roots to 63/0, Calamites at 61/0 and occasionally below, ferns at 65/0 abundant plant fragments below 65/2, muddy vaguely wormy 68/10 to 69/3, minute plant debris below 69/3, irregular sandy laminae 72/2 to 72/4 and occasionally below, ferns at 77/7 sharp shaly highly carbonaceous, abundant ostracods and fish and non-marine lamellibranchs Cannel (solid core) 0/9 hudstone shaly, with few ostracods 0/4 Mudstone canneloid, with n.m.l. 0/2 Cannel (solid core) 0/2 Mudstone, shaly 0/4 Ironstone band 0/2 Mudstone with fish and phosphatic remains at base and ostracods 0/11 COAL, bright (complete) 0/5 Seatearth siltstone with large n.m.l dark 0/3 Ironstone band 0/3 Seatearth, mudstone listric 0/7 Ironstone band 0/3 Seatearth, mudstone listric 0/7 Ironstone band 0/3	0		82	
Mudstone SEAM	fine, massive, some comminuted plant debris roots to 63/0, Calamites at 61/0 and occasionally below, ferns at 65/0 abundant plant fragments below 65/2, muddy vaguely wormy 68/10 to 69/3, minute plant debris below 69/3, irregular sandy laminae 72/2 to 72/4 and occasionally below, ferns at 77/7 sharp shaly highly carbonaceous, abundant ostracods and fish and non-marine lamellibranchs Cannel (solid core) 0/9 hudstone shaly, with few ostracods 0/4 Mudstone canneloid, with n.m.l. 0/2 Cannel (solid core) 0/2 Mudstone, shaly 0/4 Ironstone band 0/2 Mudstone with fish and phosphatic remains at base and ostracods 0/11 COAL, bright (complete) 0/5 Seatearth siltstone with large n.m.l dark 0/3 Ironstone band 0/3 Seatearth, mudstone listric 0/7 Ironstone band 0/3 Seatearth, mudstone listric 0/7 Ironstone band 0/3 Seatearth, mudstone listric 0/7 Ironstone band 0/3 Mudstone, saveral guillielmites 0/4	0		82	
Mudstone SEAM	fine, massive, some comminuted plant debris roots to 63/0, Calamites at 61/0 and occasionally below, ferns at 65/0 abundant plant fragmants below 65/2, muddy vaguely wormy 68/10 to 69/3, mire plant debris below 69/3, irregular sandy laminae 72/2 to 72/4 and occasionally below, ferns at 77/7 sharp shaly highly carbonaceous, abundant ostracods and fish and non-marine lamellibranchs Cannel (solid core) 0/9 hudstone shaly, with few ostracods 0/4 Mudstone canneloid, with n.m.l. 0/2 Cannel (solid core) 0/2 Mudstone, shaly 0/4 Ironstone band 0/2 Mudstone with fish and phosphatic remains at base and ostracods 0/11 COAL, bright (complete) 0/5 Seatearth siltstone with large n.m.l dark 0/3 Ironstone band 0/3 Seatearth, mudstone listric 0/7 Ironstone band 0/3 Seatearth, mudstone listric 0/7 Ironstone band 0/3 Mudstone, saveral guillialmites 0/4 COAL Bright (Solid Core) 0/4	0		82	
Mudstone SEAM	fine, massive, some comminuted plant debris roots to 63/0, Calamites at 64/0 and occasionally below, ferns at 65/0 abundant plant fragments below 65/2, muddy vaguely wormy 68/10 to 69/3, minute plant debris below 69/3, irregular sandy laminae 72/2 to 72/4, and occasionally below, ferns at 77/7 sharp shaly highly carbonaceous, abundant ostracods and fish and non-marine lamellibranchs Cannel (solid core) 0/9 Mudstone shaly, with few ostracods 0/4 Mudstone canneloid, with n.m.l. 0/2 Cannel (solid core) 0/2 Mudstone, shaly 0/4 Ironstone band 0/2 Mudstone with fish and phosphatic remains at base and ostracods 0/11 COAL, bright (complete) 0/5 Seatearth siltstone with large n.m.l dark 0/3 Ironstone band 0/3 Seatearth, mudstone listric 0/7 Ironstone band 0/3 Seatearth, mudstone listric 0/7 Ironstone band 0/3 Seatearth, mudstone listric 0/1 COAL Bright (Solid Core) 0/6 Seatearth, Mudstone 0/5	0		82	
Mudstone SEAM	fine, massive, some comminuted plant debris roots to 63/0, Calamites at 61/0 and occasionally below, ferns at 65/0 abundant plant fragmants below 65/2, muddy vaguely wormy 68/10 to 69/3, mire plant debris below 69/3, irregular sandy laminae 72/2 to 72/4 and occasionally below, ferns at 77/7 sharp shaly highly carbonaceous, abundant ostracods and fish and non-marine lamellibranchs Cannel (solid core) 0/9 hudstone shaly, with few ostracods 0/4 Mudstone canneloid, with n.m.l. 0/2 Cannel (solid core) 0/2 Mudstone, shaly 0/4 Ironstone band 0/2 Mudstone with fish and phosphatic remains at base and ostracods 0/11 COAL, bright (complete) 0/5 Seatearth siltstone with large n.m.l dark 0/3 Ironstone band 0/3 Seatearth, mudstone listric 0/7 Ironstone band 0/3 Seatearth, mudstone listric 0/7 Ironstone band 0/3 Mudstone, saveral guillialmites 0/4 COAL Bright (Solid Core) 0/4	0	11	82	



) FORM €271	SK 47 SW 24	8 - I N CH	MAP		B/H
SERIES 680	6		6		
		_		_	
Section of	BOLSOVER NO. 16 UNDERGROUND D.B.				
		*Delet	e as appr	opriate	
GEOLOGI CAL		THICK	T	DEP	
CLASSIFICATION	! NATURE OF STRATA	morft*	cm or in*	m or ft*	CM Or
		 		90	1
Seatearth	siltstone fine, muddy	2	4	<u> </u>	├─
pag ragi. mi	STICS WIRE TILE, MICHELY	-	7	92	5
Siltstone	fine, with abundant sandstone fine, lenticul	ar	ļ		<u> </u>
	laminae and layers; layers at 93/4 to 94/3 a	nd	ļ		
	96/10 to 97/3; root-disturbed to 95/0 occasional slurried up to 0/4 thick, several		 		-
	dark micaceous planty planes, ironstone			1119 1	
	band 0/2 thick at 99/8, dominantly sandstone				
	100/5 to base	9	0		
	sharp		<u> </u>	101	5
20 2	121 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	-			
Mudstone	silty in top 1/0, many ironatone bands up to 0/8 thick, unlaminated single complete				\vdash
	non-marine lamallibranch near top	10	40		
	IMPORE THE PROPERTY OF THE PRO			1119	1
			2	/	ļ
Mudstone	shaly rare estraceds at top, dark abundant estraceds and thick 'shelly' ironstone			 	
	bands below 112/8 and occasional coaly		 		
	plants, abundant large thick non-marine		·		
	lamellibranchs: grey occasional non-marine				
	lamellibranchs below 115/3; more 'shelly'				
•	ironstone up to 0/3 thick 118/1 to 120/0				<u> </u>
	with layer of ostracods at tep, slightly	1.0	 -	 -	
	shaly from 120/0 to 122/4	10	7	122	2.
		ļ	 	122	-4
Mudstone	highly carbonaceous, occasional coaly plants	1	7		
				123	_1
	•,	-	,		
COAL	Bright	ļ <u> </u>	1	124	
	complete core	<u> </u>	ļ	124	c
BAT		0	8		
				124	- 8
	6)		- 6		_
Seatearth	siltstone fine, dark to 125/7, medium				
	125/7 to 126/11, fine below, ironstone band 0/2 thick at 128/5 muddy and immature			/	
	below with several ironstone bands	6	2	<u> </u>	
				130	1
			ļ	ļ	
Mudstone	slightly shaly, occasional roots with 0/2	2	0		<u> </u>
	ironstone band at base	-	 ''	132	1
	Mette a. M.			L	Ľ.
Mudstone	shaly, darkish, with large non-merine				
	lamellibranchs and ostracods at top few		ļ	<u> </u>	<u> </u>
	inches, occasional oblique listric surfaces		1	-	<u> </u>
	slightly carbonaceous below 133/3, distinct shaly with ostracods, non-marine lamelli-	Y	 	<u> </u>	
	branchs below 133/7 and fish to 134/6 shalv				
	with abundant ostracods and many 'shelly'				
	ironstone bands up to 0/3 thick, and		ļ		
	occasional local listric surfaces below	-		ļ	 -
	134/6, slightly carbonaceous 142/0 to 142/6, 0/3 ironatone band at 142/6 with	 	1	 	-
	1 1/2/6 D/3 ironatone bend at 1/2/6 with	 		 	
	many large non-marine lamellihranche and	4			
	many large non-marine lamellibranchs, and	-11	3		
	many large non-marine lamellibranchs, and 143/3 to base	-11	3	144	1
	many large non-marine lamellibranchs, and	-11	3	144	1



FORM F_71 SERIES 680		sk 47 sv/24	6 - I N CH	MAP		B/H
CK-12 000						
Section of	BOLSOVER NO.	16 UNDERGROUND D.B.				
section of		<u> </u>	*Delet	as appro	priste	
	T		TH # CK	NESS	DEP	
GEOLOGICAL CLASSIFICATION		NATURE OF STRATA	m or ft*	cm or in*		
					144	
* Mudstone	mov becomin	g darker to base; non-marine				İ
MUULD COID		hs freements	0	10		ļ
			,		144	11
		0/5				+
AM: TUPTON	Cockleshell	Coal 2/5 Seatearth mudstone coal laminae 0/7 Coal 0/4 (Mudstone carbonaceous 0/1 Coal 0/11 Mudstone 0/3 Coal 0/12 Coal 0/12 Coal 0/14 Coal 0/15 Coal 0/10				
	JOURISDIACII	· · · · · · · · · · · · · · · · · · ·		3 152 2 1 153 1 4 7 155 1		
					Į	<u> </u>
•		(Coal 0/4				
				 		}
	Low Tupton)		<u> </u>		
		Coal dirty 0/13			L	
,		7				
	Core recover	y 98%			<u> </u>	1
	Thickness ch	ecked by good hand-timed graph	1	5	152	2
					156	-
* Seatearth	midetore lie	tric coel lamines	0	1		
· Destastly	BULLA LUIS I LA				152	3
						<u> </u>
* Seatearth	mudstone lis	tric becoming silty to base	10_	10	452	+
				<u> </u>	123	1
0 4	a = 1 + a + a + a + a	owee sandy brown rooty	 			<u> </u>
Seatearth	well camente		0	4		
	*****		ļ		153	4
			<u> </u>	 	ļ	+
Seatearth	sandstone wi	11 camented, occasional root	2	 	 -	+
	nodules, mai	REIVE TO 155/1, IRRELTUTE DELOW		1 '	155	11
	•					
Sandstone	fine, abunda	nt dark micaceous planty planes	 		├	-
	diastems and	reasonably even bedded to		+	-	1
	156/5, incl	ned micaceous planty planes with tat 151/1, vague ripple drift an			1	
	train drift	below 157/1, root disturbed				
				1 1		1
	in parts		3	T	4	+
	in parts	sharp	3		159	3
		-	3		159	3
Siltstone	medium with	some sandstone fine lenticular	3		159	3
Siltatone	medium with laminee and roots to 16	some sandstone fire lenticular abundant infilled worm burrows 3/0 and occesional other plant	3		159	3
Siltstone	medium with laminee and roots to 16	some sandstone fine lenticular abundant infilled worm burrows 3/0 and occasional other plant calamites at 163/11 and	3		159	3
Siltstone	medium with laminee and roots to 16	some sandstone fine lenticular abundant infilled worm burrows 3/0 and occasional other plant calamites at 163/11 and	6	0		
Siltstone	medium with laminee and roots to 16	some sandstone fire lenticular abundant infilled worm burrows 3/0 and occasional other plant calamites at 163/11 and	6		159	
	medium with laminee and roots to 16 fragments, occasionally	some sandstone fire lenticular abundant infilled worm burrows 3/0 and occessional other plant Calamites at 163/11 and below	6			
Siltatone Sandstone	medium with laminee and roots to 16; fragments, occasionally	some sandstone fire lenticular abundant infilled worm burrows 3/0 and occasional other plant calamites at 163/11 and	6 3		165	
	medium with laminee and roots to 16; fragments, occasionally	some sandstone fine lenticular abundant infilled worm burrows 3/0 and occasional other plant calamites at 163/11 and below		0		
Sandstone	medium with laminee and roots to 16; fragments, occasionally nany wavy- patches, far	some sandstone fine lenticular abundant infilled worm burrows 3/0 and occasional other plant Calamites at 163/11 and below below many micacaous rruginous in bottom 0/4 sharp		0	165	
	medium with laminee and roots to 16; fragments, cocesionally nany wavy- patches, fer	some sandstone fine lenticular abundant infilled worm burrows 3/0 and occasional other plant Calamites at 163/11 and below cedded disatems, many micaceous rruginous in bottom 0/4 sharp little sandstone fine lenses and		0	165	3
Sandstone	medium with laminae and roots to 16; fragments, occasionally natohas, fa	some sandstone fine lenticular abundant infilled worm burrows 3/0 and occasional other plant calamites at 163/11 and below bedded disatems, many micaceous rruginous in bottom 0/4 sharp little sandstone fine lenses and laminae, single sandstone layer		0	165	
Sandstone	medium with laminee and roots to 16 fragments, occasionally many wavy patches, fer fine, with lenticular 171/9 to 17 unlamineted	some sandstone fine lenticular abundant infilled worm burrows 3/0 and occasional other plant calamites at 163/11 and below bedded disatems, many micaceous rruginous in bottom 0/4 sharp little sandstone fine lenses and laminae, single sandstone layer 1/11 and many small worm burrows and very wormy to 169/3, rare		0	165	
Sandstone	medium with laminee and roots to 16; fragments, occasionall; many wavy= patches, fer fine, with lenticular 171/9 to 17 unlaminated small slurr	some sandstone fine lenticular abundant infilled worm burrows 3/0 and occasional other plant calamites at 163/11 and below pedded disatems, many micaceous rruginous in bottom 0/4 sharp little sandstone fine lenses and leminae, single sandstone layer 1/11 and many small worm burrows and yery wormy to 169/3, rare ies, rare sandy lenses below	3	0	165	
Sandstone	medium with lamines and roots to 16; fragments, cocasionall; many wavy= patches, fer fine, with lenticular 171/9 to 17 unlamineted small slurr 175/0 and w	some sandstone fine lenticular abundant infilled worm burrows 3/0 and occasional other plant clamites at 163/11 and below below below better 0/4 sharp little sandstone fine lenses and leminae, single sandstone layer 1/11 and many small worm burrows and vary wormy to 169/3, rare ies, rare sandy lenses below aguely laminated and wormy, more	3	0	165	
Sandstone	medium with lamines and roots to 16; fragments, cocasionall; many wavy- patches, fer fine, with lenticular 171/9 to 17 unlamineted small slurr 175/0 and w	some sandstone fine lenticular abundant infilled worm burrows 3/0 and occasional other plant clamites at 163/11 and below below below better 0/4 sharp little sandstone fine lenses and leminae, single sandstone layer 1/11 and many small worm burrows and vary wormy to 169/3, rare ies, rare sandy lenses below aguely laminated and wormy, more sandy lanses with worm burrows	3	0	165	
Sandstone	medium with laminee and roots to 16; fragments, occasionall; many wavy- patches, fa: fine, with lenticular 171/9 to 17 unlaminated small slurr 175/0 and v occasional helow 177/9	some sandstone fine lenticular abundant infilled worm burrows 3/0 and occasional other plant clamites at 163/11 and below below below better 0/4 and constant in bottom 0/4 aharp little sandstone fine lenses and laminae, single sandstone layer 1/11 and many small worm burrows and very wormy to 169/3, rare ites, rare sandy lenses below aguely laminated and wormy, more sandy lanses with worm burrows some irregular ironstone below	3	0	165	3
Sandstone	medium with laminee and roots to 16; fragments, occasionall; many wavy- patches, fa: fine, with lenticular 171/9 to 17 unlaminated small slurr 175/0 and v occasional helow 177/9	some sandstone fine lenticular abundant infilled worm burrows 3/0 and occasional other plant clamites at 163/11 and below below below better 0/4 sharp little sandstone fine lenses and leminae, single sandstone layer 1/11 and many small worm burrows and vary wormy to 169/3, rare ies, rare sandy lenses below aguely laminated and wormy, more sandy lanses with worm burrows	3	0	165	
Sandstone	medium with laminee and roots to 16; fragments, occasionall; many wavy- patches, fa: fine, with lenticular 171/9 to 17 unlaminated small slurr 175/0 and v occasional helow 177/9	some sandstone fine lenticular abundant infilled worm burrows 3/0 and occasional other plant clamites at 163/11 and below below below better 0/4 and constant in bottom 0/4 aharp little sandstone fine lenses and laminae, single sandstone layer 1/11 and many small worm burrows and very wormy to 169/3, rare ites, rare sandy lenses below aguely laminated and wormy, more sandy lanses with worm burrows some irregular ironstone below	3	0	165	3



	SK 47 SW/24	6-INCH	MAP		B/H
FORM - 19 71 SERIES 680		D-INCH	MAT		B/ F
SERTES 000					
Conding of	BOLSOVER NO.16 UNDERGROUND D.B.		2	7	
section of	TOTAL TOTAL CHIPTER CONTROL DE LA CONTROL DE	*Da/at	as appro	pariete	
		*Delete as appropriate THICKNESS DEPT			
GEOLOGICAL CLASSIFICATION	NATURE OF STRATA	m or ft*	cm or in*	morft*	CAU
				181	1:
# M. 3 . 4	Jambannan - Timbila giltu in ton holes			ļ	╁
* Mudstone	dark grey, slightly silty in top half; few plant remains	٥	.5	İ	
				181	
				ļ	∔_
* SEAM	Cosl 2/11 5			 	1
REEQUARTERS	Coal $\frac{2/11\frac{1}{2}}{2}$ coal dirty $\frac{0}{2}$				\top
	Core recovery 97%				
	Thickness checked by good hand-timed graph	3	0	184	+
		-		104	+'
* Seatearth	siltstone medium	0	4		T
				185	1
					\downarrow
* Seatearth	sandstone medium	0	7	185	+
		12		105	+-
Seatearth	immature siltstone coarse and sandstone				
	interlaminated and root disturbed with				F
	dark micaceous planty planes, oblique coaly	1	9		╀
	planes 187/2	1	9	187	+.
		1			Ť
	presumed sharp but some core lost				$oxed{\Box}$
			<u> </u>	<u></u>	+
Mudstone	slightly shaly abundant roots with local listric sirfaces, slightly carbonaceous				+
	helow 188/9	2	2		\top
				189	
				<u> </u>	┿
COAL	bright	ļ <u> </u>	3	198	╁
REEQUARTERS F. C	solid core not fitting to base	-		1,50	+
Seatearth	siltstone fine, fragmented in top 0/7,				\perp
	medium and well cemented below 190/7	1	2	100	+
				190	+
Sandstone	irregular laminated and disturbed by			h	1
Daine Com	abundant roots	0	11_		I
				191	\perp
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			-	+
Siltstone	medium with some irregular sandstone laminae disturbed by roots	2	11	<u> </u>	İ
				194	_
	n				+
	Base of Borehole				╁╌
		ļ			
	(-,2)				1
		-			+-
				 	+
					L
					F
		}	-		+
		1		 	+
					T
				A	+-
	.07 1	.			+
					1

