

Livery Comme

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Hardwicke Collier			CN			
Section of streta in the		Ordnance of Der 11.	5 Y. 17	4	<b>25</b> (	L
Description			hicknes		Depth Ft.	in.
1.Made Ground	ADE GROUND		4	5	10	'n
2.Soil	DRIFT	<del>-</del>	1	0		
3.Clay			ક	21/2	11.	Y
	CARBONIFEROUS,		4,	5 <u>1</u>	16	2
5.Blue Shale	WESTPHALIAN B		1	6	17	8
6.Blue Rock			5	8	23	4
7.Grey Rock			18 (	00	41	4
8.Coal			1	9	43	1
9.Clunch			3	8	46	9
10.Strong Bind			9	S	56	3
11. Coal and Black Bat			1	6	57	9
12.Clunch			3	0	59	9
13. Curly Bind			Δ	6	54	3
14.Black Bat			1	2	65	5
15.Clunch			3	4	<b>67</b>	9
13.Blue Bind and Tronstone			5	1	72	10
17.Beddy Rock and Stone Bind			6	1	78	11
10 Stone Dind			16	5	95	4
19.Rock and Cank			8	6	103	10
)' 20.Strong Cank			3	10	107	8
21.Strong Stone Bind			15	5	123	1
22.Blue Bind			11	2	134	3
23.Black Bat and Ironstone			6	1	140	4
24.Soft Fireclay			1	5	141	10
25.Coal and Bat Faulty	Ground H16	H HAZELS	3	7	145	5
26.Rock Faulty	Ground		4	10	150	3
27.Beddy Rock and Bind Pa	ulty Ground		2	8	15?	11
28.Stone Bind Faulty	Ground		8	5	161	4
29.Strong Stone Bind			2	3	163	7
30.Blue Bind and Ironstone	Faulty Gro	unđ	16	4.	179	13
31.Dark Bind	Faulty Gro	<b>un</b> đ	3	8	182	7
32.Soft Clunch	Faulty Gro	und	2	7	185	2
	J. Committee				a compression of the control of the	\$ 1. T



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4	Ramaroft, Colliery Shaft	7 -	10			
	Soft Paulty Grand	1		198	3,	
	34. Coal 1st St. John's (up and)	N S	1,	199	4	
	35 Clunch	3	- \$5	16		₹   -
	25.Strong Blue Bind	, 9	9	4	1	2 36
	37. Coal 1st ST. JOHN'S (Bollow Cost)		8 '	313	3	
	38.Clunch	S	11	220	S	:
	39.Stone Bind	9	9	ିଅନ୍ତ	11	
	40. Coal and ST. JOHN'S		8(?7)		5	10
	#1.Strong Clunch	З	1	233	7	
ĺ	42.Stone Bind	15	9	249	4	
	43.Beddy Rock	14	4	263	8	
	44.Strong Bind	8	0	265		
	45.Beddy Rock and Cank	5	10	371	6	, man,
	46.Strong Bind	1	7	273	l	
,	47. Hard Strong Rock	30	2	303	3	
AL I	48.Bind	24	6	327	9	
	49.Black Bind	4	0	33 <b>3</b>	9	
7	50.Soft Clunch	2	0	333	9	10
D D	51.Blue Bind	5	1	338	. 10	100
1	52.Coal		4		2	
Z	53.Soft Clunch		9	339	11	
0	54.Rock	5	2	345	1	ye
	55.Stone Bind	7	2	352	3	
	56.Blue Bind	18	8	354	11	•
	57.Stone Bind	34	4	399	3	· ,
	58.Black Bind and Coal mixed	4.	1	403	4	
	59.Stoney Clunch	10	3	413	7	
	60.Strong Bind and Rock Bands	9		419	9	
	6L. Hard Grey Rock	28		448	3	
1	52. Top Hard Coal	5		453	4	
	ST -a					

B. July 1981

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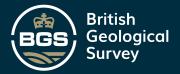
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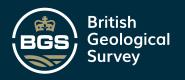
		9	•		0		H,	2		
0	(*11932) WŁ80370	70370 10,000 9/39 A.4 E.W.Ltd. Gp.445 RD OF SHAFT OR BORE FOR MINERA	LS	C 6	ınt Qar	2	erby eet 26:	<u>sw</u> .		
	Name and Nur	ther of Shaft or Bore given by Geological Survey:  MCROFT COLLIERY:  No. 1  Therefore given by owner (if different from above):  Hearb  Date of sinking  Hearb  Church (			O.S. (	Geot. M	onfidential			
	Exact site Sain's SK	Hearn Date of sinking  3400 Fr. at 66° from Hearh Church ( , at road fork in village)  46NE 4570 6752  which made Coal  sore commenced relative to O.D. 282.05 fr. If not down by  for Messrs	<u> </u>	NF1		sketch-r	HAT	P		
		ntormation from Hardwick Collieries Ltd.  Specimens				Date received 1945. of strata NE, roughly ling THICKNESS DEPTH				
	CLASSIFICATION	Note: No. I shaft measured  Depth rail level pit bank  454 tr.	<del>19</del> ro 1	4:0:1 ail le	ve]	pir_	barren.			
		Section attached		W-Gr	194	5				
	(	Seed on Derby 26 SW/W.								

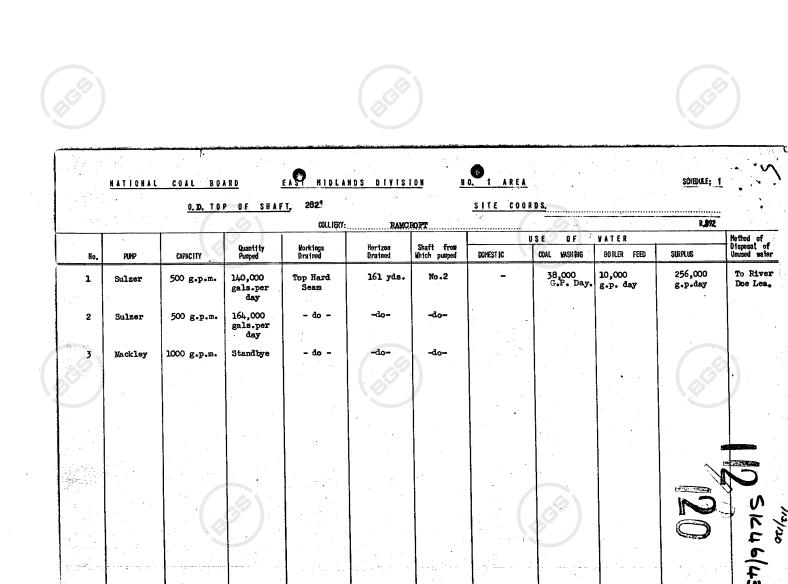


3	Hardwicke Colliery Co.Ramcroft Collier Section of streta in the shaft. Ordnance		Pī	1	914	3.	1,
٠,	Section of strata in the shaft. Ordnance Derby 6:	in.26 S	W.		<b>Z</b>	•	٠.
١.	Description	Thic	kne Ft.	ss in.	D.otl F	i .in	•
	1. Made Ground HADE GROUND		, <b>4</b>	6	16	ì	•
	2.Soil DRIFT		1	0			
	3.Clay		5	37	1	. 8	•
	4. 3 rown Shale UPPER CARRON ITEROUS	<u> </u>	4	5 <u>1</u>	16	3 2	
	5. Blue Shale WESTPHALLAN B.		1	6	17	7 8	
	6.Blue Rock		5	8	35	3 4	
	7.Grey Rock		18	00	4.	4	
	8.Coal		i	9	4.5	3 1	
	9.Clunch		3	8	4	· 5 9	
	10.Strong Bind		9	5	54	5 3	
	11. Coal and Black Bet		1	5	57	7. 9	
- 1.	12. Clunch		2	0	59	9	
].	13.Curly Bind	÷	4	5	64	1 3	
4	14.Black Bat		1	2	55	5 5	
F	15.Clunch		∃.	4	حر	7 9	
Z	16.Blue Bind and Ironstone		5	1	78		)
Q U	17.Beddy Rock and Stone Bind		 	1	78		
Ī	18.Stone Bind	٠	ે. 16	5	95	_	
Z	19.Rock and Cank		8	6	10:		2
J			3	10	1.07		
	20.Strong Cank		15	5	12:	_	
	21.Strong Stone Bind	•	1.5 11	2	134		÷
	22.Blue Bind			î	140		
	23.Black Bat and Ironstone		· 6	÷.	14:		
	24.Soft Fireclay		1	7	148		
	25. Coal and Bat Faulty Ground	,	3	•		3	
	26.Rock Faulty Ground			10			
	27.Beddy Rock and Bind Faulty Ground		2	8	151	•	L.
	28.Stone Bind Feulty Ground		8	5	÷'	L 4	ij.
	29.Strong Stone Bind		2	3	150		
	30.Blue Bind and Ironstone Faulty Ground	•	15	_	179		1
	31.Dark Bind Faulty Ground		2	8		2 7	
	32.Soft Clunch Faulty Ground		2	7 -	18!	5 2	1
•	and the second second	· · · · · ·					/



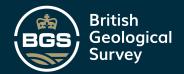
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	با	Ramcroft Colliery Shaft	2 _ \ Q	17	125	46/	43	1
	•	Wes	ulty Ground	13	Z	198	3	
		34.Coal		1	1	199	4_	
		35.Clunch		3	S	10	fo i	
		36.Strong Blue Bind		. 9	9	12		
		37.Coal		The same of the sa	<b>8</b> :	3 <b>1</b> 3	<b>3</b>	
		38.Clunch		5	11	330	3	
		39.Stone Bind	(6)	9	9	<i>්</i> .38	11	
	•	40.Coal		e en	.8 <b>(?7)</b>	230	5	•
ı		41.Strong Clunch		3	1	833	7	
		42.Stone Bind		15	9	249	4.	ac, f
		43.Beddy Rock		14	4	263	8	17
		44.Strong Bind		2	0	255	8	
		45.Beddy Rock and Cank	•	5	10	371	6	
		46.Strong Bind		1	7	273	1	
1		47. Hard Strong Rock		30	3	303	3	
		48.Bind	·	24	. 6	327	9	
	11	49.Black Bind		4.	0	392	9	
	7	50.Soft Clunch		2	0	333	9 _	
\	日	51.Blue Bind		5	1,	<u> ૧</u> ૩8	10	
A STATE OF THE STA	T I	52.Coel	(000)		4,	339	_2	
	Z	53.Soft Clunch			9 .	339	11	
1000	اد ل	54.Rock	•	5	2	345	ı	
3		55.Stone Bind		7	2	352	3	
		56.Blue Bind		13	8	354	11	
1		57.Stone Bind		34	4	399	3	
:		58.Black Bind and Coal mixed	,	4	1	403	<b>A</b> .	
		59.Stoney Clunch	and the second second	10	3	413	7 .	
	Part line	60,Strong Bind and Rock Bands		ŝ	2	419	9	
		6L.Hard Grey Rock		?8	5	448	3	4.0
		62.Top Hard Coal	eren er	5	1	453	4_	
		Commercial Control of			٨			
		ρ.ρ.			hinley	<b>ک</b> ان		. (
		<u> </u>		Which (	M2:19	ч	£.	
		1981.		april Com	•			2 "
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		(6)			<u>.</u>		!	57



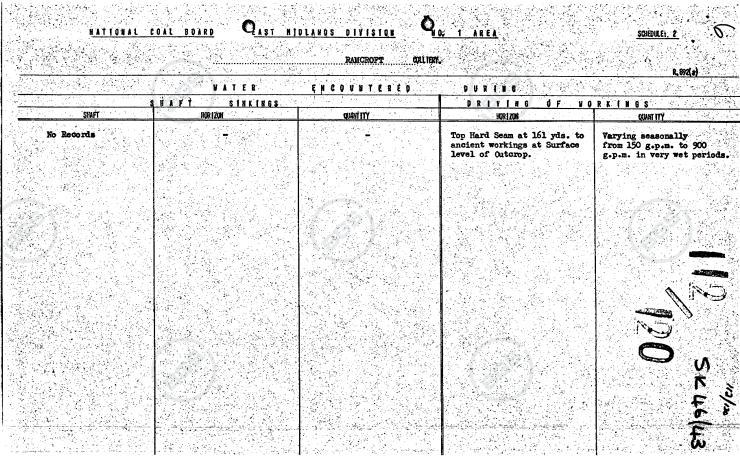
























SCHEDULE

RAMCROFT COLLIERY,

ON WATER PROBLEMS IN WORKINGS.

R.892 (c)

Ramcroft Colliery situated on the steep ground of the Eastern Slopes of the Brimington anticline was sunk primarily to work the Top Hard Seam. As the outcrop to the west was approached, very heavy water commitments were encountered. These large water feeders were found to emanate from the very ancient outcrop working, where from a series of shallow shafts the bottom section of the seam only was worked. Leaving the Cannel Section and Tops up as roof, the old headings are in many cases standing as well today as when, driven, and act as a direct drain or duct for the rain water and hillside floods which in wet periods abound. Workings of the adjacent Doe Lea Licensed Mine tapped in faulty ground feeders of water from the Doe Lea Valley, which vary in quantity from 100 G.P.M. to 400 G.P.M. this water all runs to the dip workings of Ramcroft and this Mine there receives all such surface and mine feeders. Of late years the First Waterloo Seam has been developed at Ramcroft and now much of the area so developed is below the Top Hard Seam hollows to which the above feeders run, causing an efficient and well run pumping station to be imperative.



Information from the Haudwich Collieny to 48 April 1965

## Ramcroft Colliery.

Surface Top Hard water pumped from Top Hard level 187 ft b.U.B. to surade reservoirs at Hamoroft and Holmewood Collieries at the rate of 336,00 gall per day.

## Analysis.

Temporary haz	rdness.	•		210			•
Megnesia.				13.3°			
Sulphates.		290.	ø	20.3	grains	per	gall
chlorides.		50.	6.	3.5	•	<b>H</b>	*
M2 05				0.33	#	**	*
Si 02	* *		•	0.25		**	w
UR UÖ,	•	3.08	4.62	- 7.7	*	**	17
Ma H CO3		2.75		10.0	**	· w	77
Me vil		2.28	3.51	5.79	<b>*</b>	**	**
Mg UO3		. 1 3.22	7.95	11.17	<b>81</b>	**	1 🙀
Ma2 SO4 p.h. value.	*	11.5	24. 4	35.9 <u>-</u>	<b>.</b> #	77	#
<b></b>		1130		,	717	41	٠.

We use the whole of the water for Colliery purposes.

Jelin 9) Whate Confirmed from

NCB 177 Dio Area No! plan to Derresy 26 5w

(a) = No! shaft

(b) = No 2 shaft