COMMONWEALTH OF AUSTRALIA.

DEPARTMENT OF NATIONAL DEVELOPMENT.

BUREAU OF MINERAL RESOURCES
GEOLOGY AND GEOPHYSICS.

RECORDS.
1953/88

K I L L I N G W O R T H A R E A

DRILLING RESULTS

By T.H. Rodger

Bureau of Mineral Resources, Geology and Geophysics

OPEN CUT COAL INVESTIGATIONS IN NEW SOUTH WALES

NEWCASTLE REGION

K I L L I N G W O R T H A R E A

DRILLING RESULTS

By T.H. Rodger

RECORDS
1953/88

C O N T E N T S .

The area investigated is to the south west of the West Wallsend Extended Colliery near the township of Killingworth within Portion 34, Parish of Teralba, County Northumberland.

Drilling was carried out for the Joint Coal Board as part of the programme of the proposed Barnsley Australasian Open Cut, to locate the Great Northern and Fassifern Seams which outcrop at the base of the hills. Five bores were sunk (see BMR Map N14/12) Bores BMR 1 to 4 penetrated the Fassifern Seam.

The coal in the seams was found to be of extremely poor quality and the seams very banded. Therefore drilling was discontinued. There are dykes shown on the Caledonian Collieries Ltd. "Plan Showing Outcrop of the Great Northern and Fassifern Seams" (Plan W.W.E. 184C.) One of these is visible near BMR 5, but the others near BMR 3 cannot be seen on the surface. Cindered coal was not encountered during drilling operations.

The seams dip to the north west.

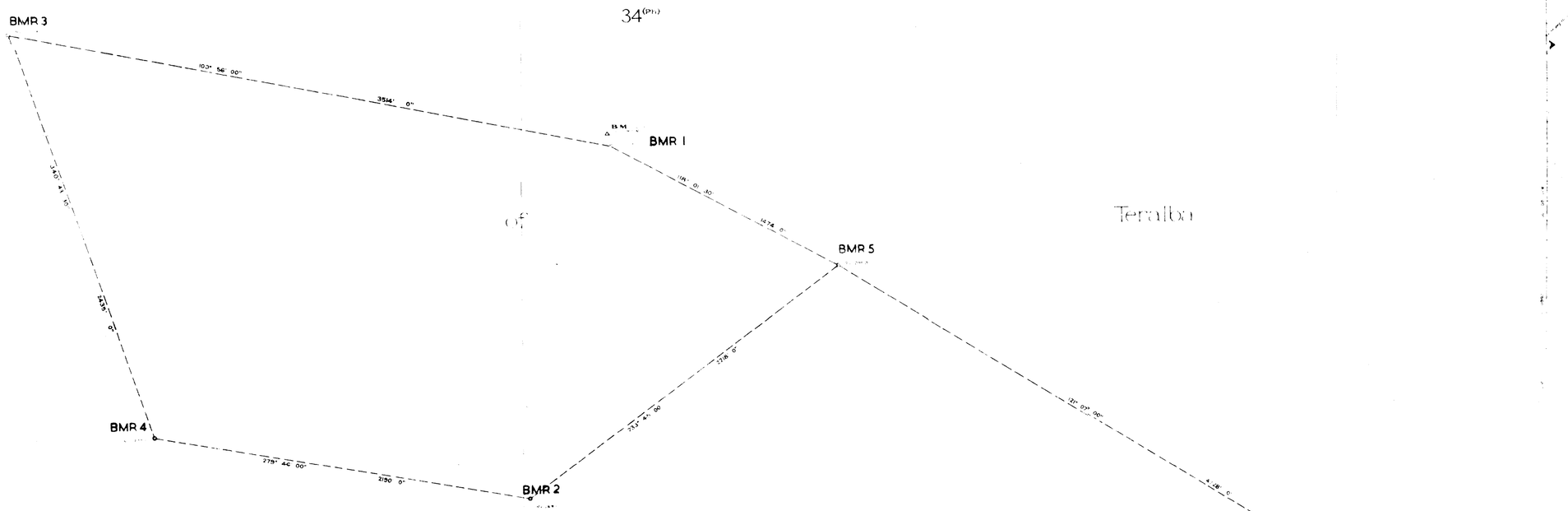
KILLINGWORTH BUREAU OF MINERAL RESOURCES

PLAN

of positions and levels of bores Nos. 1,2,3,4&5

Scale : ~~200~~ 400 Feet to an inch

DATUM : H.D.W.B. STANDARD



BMR N14420

DEPT OF THE INTERIOR

Neg No 5383

KILLINGWORTH AREA.

List of Approximate Locations from Point of Origin, SE Cnr. Portion 34, Parish of Teralba. (Map N14-120.)

BMR 1	310°50'	6190'	BMR 3	304°30'	9580'
BMR 2	291°50'	5935'	BMR 4	291°00'	7125'
		BMR 5 311°30'	4725'		

BUREAU OF MINERAL RESOURCES

Name and No. of Bore: BMR 1 KILLINGWORTH
APPROX. SE Cnr. of port. 34.

DISTRICT: Newcastle | COUNTY: Northumberland | PARISH: Teralba | PORTION: 34 | LOCATION: 310 50'/6190' N14-120

Surveyed by: Dept. Interior | Survey Method: Theodolite Trav. | Elevation: 191.6' | Ref. Map:

Logged by: W.A.McKinnon | Cased: 35'6" | Datum: H.W.B. | Ref. Report: BMR Records 1953/88

Sunk by: BMR | Type of Drill: Sullivan 22HD | Depth: 106'10" | Date Begun/Finished: 1.7.52/8.7.52

Estimated Depth Ft.	Ins.	Estimated Thickness Ft.	Ins.	GEOLOGICAL DESCRIPTION OF STRATA	Core Measured Ft.	Ins.	Coal Sample No.	Min. Bands Included Ft.	Ins.	Min. Bands Excluded Ft.	Ins.	PROXIMATE ANALYSIS H.M.	V.	F.C.	ASH	B. TH. U/LB
9	3	9	3	Sand, soft, clayey, formed by weathering of sandstone & clayshale												
												GT. NORTHERN SEAM (THR)				
10	0		9	Clayshale, off-white, soft		9										
10	4		4	COAL, smut		4										
10	5		1	Greywacke, pink soft, weathered		1										
10	9		4	Clayshale, dark brown, soft		3										
11	2		5	COAL, smut		3										
11	4		2	Clayshale, light grey weathered		2										
13	5	2	1	Clayshale, light grey w. orange & brown inclusions-white mineral, filling cracks	1	2										
17	1	3	8	Clayshale, light grey soft sandy in patches w. thin bands ferruginous mat.	3	2										
20	8	3	7	Clayshale, light grey to a ferruginous yellow silty in places white material filling cracks	3	0										
25	4	4	8	Clayshale as above	3	11										
33	10	8	6	Greywacke, light yellow fine to medium grained soft and weathered	1	1										
36	10	3	0	Greywacke, light yellow, fine medium & & coarse grained, weathered	1	2										
39	7	2	9	Greywacke, as above	2	2										
41	0	1	5	Greywacke, l.yellow to buff, soft fine to medium	1	2										
41	4		4	Clayshale, soft, grey with plant remains		4										
41	8		4	Greywacke, grey to limonite yellow fine & medium		4										
42	1		5	Clayshale, light grey w. some linonite stains		5										
43	10	1	9	Greywacke, linonitic yellow fine to medium		11										
45	7	1	9	Clayshale, light grey, soft		9										
46	4		9	Greywacke, light grey to light yellow fine to medium grained		9										

Name and No. of Bore BMR 1 KILLINGWORTH

Estimated Depth Ft.	Ins.	Estimated Thickness Ft.	Ins.	GEOLOGICAL DESCRIPTION OF STRATA	Core Measured Ft.	Ins.	Coal Sample No.	Min. Bands Included Ft.	Ins.	Min. Bands Excluded Ft.	Ins.	PROXIMATE ANALYSIS H.M.	V.	F.C.	ASH	B. TH. U/LB
47	3		11	Siltstone, light grey, clayey		7										
48	7	1	4	Greywacke, light yellow fine grained	1	0										
49	11	1	4	Greywacke, light yellow to grey medium w. current bedding	1	4										
54	11	5	0	Greywacke, as above	1	0										
60	7	5	8	Greywacke, as above	1	0										
70	7	10	0	Greywacke, deep yellow medium to very coarse	5	0										
72	8	2	1	Greywacke, light yellow medium to coarse		7										
74	6	1	10	Greywacke, light grey & black banded fine to medium		10										
80	0	5	6	Siltstone, light grey w. some sandy & clayey patches irregularly bedded	4	3										
83	2	3	2	Siltstone, grey sandy & clayey in patches	2	9										
83	11		9	Clayshale, light grey soft		7										
87	1	3	2	Siltstone, grey sandy in patches	2	0										
87	4		3	COAL, dull		½							FASSIFERN SEAM (T.H.R.)			
88	6	1	2	Shale, black, carbonaceous		3										
90	0	1	6	COAL, dull, shaly		4										
90	3		3	COAL, thin bright bands		2										
90	4		1	Siltstone, black, carbonaceous		1										
90	7		3	COAL, mainly bright		3										
90	11		4	Claystone, grey soft shattered		4										
91	1		2	Shale, coaly		2										
94	4	3	3	COAL, dull w. bright bands		5										
95	5	1	1	Shale, black, coaly w. thin bright bands		3										
96	1		8	Claystone, yellow, soft		6										
96	5		4	COAL, mainly bright		2										
96	10		5	COAL, dull		2										
97	5		7	Greywacke, light grey, fine to medium		7										
98	4		11	Greywacke, as above		11										
98	11		7	Clayshale, grey, soft		3										
99	8		9	Greywacke, light grey, fine to medium		9										
103	10	4	2	Siltstone, grey, carbonaceous	2	4										
104	1		3	COAL, bright		1										
106	10	2	9	Siltstone, grey, carb. sandy in places	1	4										
				Hole completed									typed 26.10.53			

BUREAU OF MINERAL RESOURCES

Name and No. of Bore: BMR 2 KILLINGWORTH

DISTRICT: Newcastle COUNTY: Northumberland PARISH: Teralba PORTION: 34 LOCATION: APPROX. SE. Corn. of Port.34. 291 50' / 5935'

Surveyed by: Dept. Interior Survey Method: Theodolite Trav. Elevation: 269.5' Ref. Map: M14-120

Logged by: N. Hoyling Cased: Not Datum: H.W.B. Ref. Report: BMR Records 1953/88

Sunk by: BMR Type of Drill: Failing 750/262 Depth: 158'10" Date Begun/Finished: 8.7.52/18.7.52

Estimated Depth Ft.	Ins.	Estimated Thickness Ft.	Ins.	GEOLOGICAL DESCRIPTION OF STRATA	Core Measured Ft.	Ins.	Coal Sample No.	Min. Bands Included Ft.	Ins.	Min. Bands Excluded Ft.	Ins.	PROXIMATE ANALYSIS H.M.	V.	F.C.	ASH	B. TH. U/LB
46	0	46	0	Greywacke, light brown, originally greyish white ferruginous, medium grained to finely conglomerate rather friable	16	9										
79	0	33	0	Sandstone greyish white to light brown fine to medium grained, soft & friable												
82	0	3	0	Shale, grey, medium, soft												
97	0	15	0	Sandstone, brown, medium grained somewhat friable												
97	2		2	Shale, greyish, black, medium, soft												
129	8	32	4	Shale, dark grey, medium soft, with rare black bands in the top 5'	22	6										
130	2		6	Shale, black, medium hard		2										
130	6		4	Claystone, greyish yellow & black soft		4										
131	8	1	2	COAL								GT. NORTHERN SEAM (T.H.R.)				
131	11½		3½	COAL, with bright bands		3½										
132	3		3½	Shale, brownish-yellow, soft		3½										
132	9		6	COAL, rather shaly with bright bands		3½										
134	0	1	3	COAL, dull, rather shaly		3										
134	5½		5½	Shale, brownish, yellow, medium soft		5½										
134	9		3½	COAL, dull		3½										
135	3		6	COAL, dull with bright bands		3										
135	9		6	Shale, yellow, medium soft		6										
136	2		5	Shale, yellow, medium soft		5										
136	9		7	COAL, dull with bright bands fragmentary		7										
137	5		8	Shale, yellow, soft		8										
137	8		3	COAL, dull shaly		1										
138	2		6	COAL, mostly bright		5½										
138	3		1	Shale, grey, soft		1										
138	8		5	COAL, dull with bright bands		3½										
140	8	2	0	COAL, with bright bands broken to frag.	1	0										
141	8	1	0	COAL ?												
142	8	1	0	COAL ?												

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Name and No. of Bore BAR 3 KILLINGWORTH

Estimated Depth Ft.	Ins.	Estimated Thickness Ft.	Ins.	GEOLOGICAL DESCRIPTION OF STRATA	Core Measured Ft.	Ins.	Coal Sample No.	Min. Bands Included Ft.	Ins.	Min. Bands Excluded Ft.	Ins.	PROXIMATE ANALYSIS H.M.	V.	F.C.	ASH	B. TH. U/LB
143	2		6	Shale, yellow & reddish brown soft		5½										
143	4		2	COAL, with bright bands		2										
143	5½		1½	COAL												
145	3	1	9½	Sandstone, light grey medium grained & medium hard	1	9½										
145	4		1	Shale, grey, silty		1										
158	10	13	6	Shale, grey sandy with black bands												
				Hole completed										typed 26.10.53		

BUREAU OF MINERAL RESOURCES

Name and No. of Bore: BMR 3 KILLINGWORTH

DISTRICT: Newcastle | COUNTY: Northumberland | PARISH: Terralba | PORTION: 34 | LOCATION: APPROX. SE Corn. of Port. 34. 304 30'/9580'

Surveyed by: Dept. Interior | Survey Method: Theodolite Trav. | Elevation: 271.6' | Ref. Map: NI4-120

Logged by: N. Hoyling | Cased: Not | Datum: H.W.B. | Ref. Report: BMR Records 1953/88

Sunk by: BMR. | Type of Drill: Failing 750/262 | Depth: 229' | Date Begun/Finished: 18.7.52/1.8.52

Estimated Depth Ft.	Ins.	Estimated Thickness Ft.	Ins.	GEOLOGICAL DESCRIPTION OF STRATA	Core Measured Ft.	Ins.	Coal Sample No.	Min. Bands Included Ft.	Ins.	Min. Bands Excluded Ft.	Ins.	PROXIMATE ANALYSIS H.M.	V.	F.C.	ASH	B. TH. U/LB
~~10~~	~~0~~	~~10~~	~~0~~	Sandstone, light grey, fine to medium grain friable												
14	0	4	0	Sandstone, light yellowish-brown fine grained, soft & clayey												
19	0	5	0	Shale, light brownish-grey												
39	0	20	0	Sandstone, light grey, fine to medium grained, conglomerate in bands friable												
68	6	29	6	Shale, greyish, white medium hard								GT. NORTHERN SEAM (T.H.R.)				
68	10		4	COAL, dull soft												
69	9		11	COAL, dull, rather shaly		6½	1/BMR 3									
70	9		1	COAL, dull		6½										
71	7		10	COAL, dull		8½										
71	9		2	Shale, grey, hard		1½										
73	9	2	0	COAL, dull												
74	9	1	0	COAL, dull with bright bands		8	2/BMR 3									
75	9	1	0	COAL, dull with bright bands		8										
75	10		1	Shale, brown		1			1							
76	9		11	COAL, dull with bright bands		7										
77	7		10	COAL, dull with bright bands		5½	3/BMR 3									
77	7½		½	Shale, brownish-grey		½			½							
78	3		7½	COAL, dull with bright bands		3½										
79	9	1	6	COAL, dull very shaly in bands	1	0										
81	2	1	5	Shale, black												
81	8		6	Shale, black with rare bright coal bands		5½										
81	11		3	Claystone, light brown soft		3										
82	0½		1½	Shale, black		1½										
83	2½		2	Claystone, light brown, soft		2										
82	6		3½	Shale, black		3½										
83	7		10	Shale, black with bright coal bands		4										

Name and No. of Bore BMR 3 KILLINGWORTH

Estimated Depth Ft.	Estimated Depth Ins.	Estimated Thickness Ft.	Estimated Thickness Ins.	GEOLOGICAL DESCRIPTION OF STRATA	Core Measured Ft.	Core Measured Ins.	Coal Sample No.	Min. Bands Included Ft.	Min. Bands Included Ins.	Min. Bands Excluded Ft.	Min. Bands Excluded Ins.	PROXIMATE ANALYSIS H.M.	V.	F.C.	ASH	B. TH. U/LB
83	8		1	Shale, greyish brown, medium soft		1										
84	0		4	Shale, black		3½										
84	4		4	Shale, greyish brown, medium-soft silty		4										
85	3		11	Shale, black		4										
85	6		3	Shale, black		1										
86	5		11	Shale, light yellowish-grey-brown, soft		10½										
87	1		8	Shale, black		4½										
89	1	2	0	Shale, light grey, tuffaceous, dark brown to light brown in the top ¼ medium, hard with soft bands	2	0										
89	3		2	Shale, light grey medium soft		2										
91	1	1	10	COAL, dull very shaly		6										
91	9		8	Shale, black with bright coal bands hard		8										
92	5		8	COAL, dull		7										
93	1		8	Shale, light grey medium soft tuffaceous		6½										
94	1	1	0	Shale, black, hard		3										
94	8		7	Sandstone, dark grey to grey very fine grained, medium hard		7										
95	9	1	1	Shale, black, hard		3										
96	9	1	0	Shale, dark grey to black, hard		8										
98	10	2	1	Shale, black, hard		9										
99	6		8	COAL, dull very shaly		3										
99	7½		1½	Shale, light grey, soft		1½										
99	8½		1	Shale, dark grey, medium hard		1										
100	9		1½	COAL, dull very shaly		5										
101	0		3	Shale, black		1										
101	9		9	Shale, light brown soft		9										
104	9	3	0	Shale, light greenish-grey, sandy medium soft	3	0										
107	9	3	0	Shale, light to dark grey medium hard												
110	4	2	7	Shale, dark grey, medium hard with silty & sandy bands	2	0										
110	9		5	Sandstone, light grey, fine grained hard		2										
118	1	7	4	Sandstone, light grey fine to medium grained hard												
118	11		10	COAL, dull												
119	2		3	COAL, dull		1										
119	5		3	Sandstone, light grey, fine grained shaly medium soft		3										
119	10		5	Shale, black, hard with some bright coal		5										

Name and No. of Bore BMR 5 KILLINGWORTH

Estimated Depth Ft.	Estimated Depth Ins.	Estimated Thickness Ft.	Estimated Thickness Ins.	GEOLOGICAL DESCRIPTION OF STRATA	Core Measured Ft.	Core Measured Ins.	Coal Sample No.	Min. Bands Included Ft.	Min. Bands Included Ins.	Min. Bands Excluded Ft.	Min. Bands Excluded Ins.	PROXIMATE ANALYSIS H.M.	V.	F.C.	ASH	B. TH. U/LB
120	1½		3½	COAL, mostly dull		3½										
120	9		7½	Shale, dark grey, hard		7										
125	4	4	7	Shale, dark, silaceous, hard												
125	8		4	COAL, dull												
126	3		7	COAL, mostly dull		7										
126	3½		½	Shale greyish brown soft		½										
126	8		4½	COAL, mostly dull		4½										
127	3		7	Shale greyish black, hard												
128	3	1	0	Shale greyish black hard	1	0										
150	0	21	9	Shale greyish black hard												
182	0	32	0	Sandstone, light brown, grey fine to medium grained dense medium hard												
182	6		6	Shale, grey & soft coal												
183	3		9	Shale, black, hard		9										
183	6		3	Siltstone, greyish black hard		3										
184	6	1	0	Sandstone grey to light grey fine to medium grained hard		11										
200	0	15	6	Sandstone, grey fine to medium grained with some grey shale bands												
201	2	1	2	Shale, black hard												
201	5		3	Shale light grey soft tuffaceous		3										
202	2		9	Shale black hard		9										
210	5	8	3	Shale dark grey to black hard												
211	2		9	COAL, mostly dull, fragmentary		7						FASSIFERN SEAM (T.H.R.)				
211	5		3	Siltstone, grey medium hard		3										
211	8		3	COAL, dull		2										
211	10		2	Shale, black		2										
212	10	1	0	Shale, light grey, medium soft, silty	1	0										
213	5		7	COAL, dull very shaly		4										
214	1		8	COAL, dull shaly		8										
214	10		9	Shale, light grey soft		9										
214	11		1	COAK, dull very shaly		1										
215	2		3	COAL, dull with bright bands		3										
215	3½		1½	Siltstone, light brown, medium soft		1½										
215	9½		6	COAL, dull shaly		6										
216	3½		6	Shale, light grey, very soft		6										
217	3½	1	0	COAL, dull with bright bands	1	0										
217	4½		1	Shale, greyish brown, medium soft		1										
217	9		4½	COAL, bright		½										
217	11½		2½	Shale. black, hard		2½										

Name and No. of Bore BMR 3 KILLINGWORTH

Estimated Depth Ft.	Estimated Depth Ins.	Estimated Thickness Ft.	Estimated Thickness Ins.	GEOLOGICAL DESCRIPTION OF STRATA	Core Measured Ft.	Core Measured Ins.	Coal Sample No.	Min. Bands Included Ft.	Min. Bands Included Ins.	Min. Bands Excluded Ft.	Min. Bands Excluded Ins.	PROXIMATE ANALYSIS H.M.	V.	F.C.	ASH	B. TH. U/LB
218	0½		1	COAL, bright		1										
218	2½		2	Shale, black		2										
219	9½	1	7	Sandstone, l.gy. carb.f.grained	1	7										
220	2½		5	Shale, black silty		5										
220	2¾		¼	Shale brown		¼										
220	5		2¼	COAL dull shale		2¼	4/BMR 3									
221	5	1	0	COAL, dull with rare bright bands		11										
222	5	1	0	COAL, dull with bright bands pyritiferous brownish grey shale lenses	1	0										
223	3½		10½	Sandstone, light grey carbonaceous fine grained		10½										
224	0		8	Shale, black to dark grey		8										
224	3		3	Shale, dark grey, medium soft		3										
225	7	1	4	Siltstone, dark grey, medium soft	1	4										
226	0		5	Shale, greyish-black, medium soft		5										
226	8½		8½	Shale, greyish-black medium soft		8½										
228	1½	1	5	Sandstone, light grey fine grained	1	5										
229	0		7½	Claystone, light brownish-grey hard		7½										
				Dip of shale-sandstone & sandstone claystone junctions is only about 2°.												
				Hole completed								typed 27.10.53				

BUREAU OF MINERAL RESOURCES

Name and No. of Bore: BMR 4 KILLINGWORTH
APPROX. SE. Cnr. of Port. 34.

DISTRICT: Newcastle | COUNTY: Northumberland | PARISH: Teralba | PORTION: 34 | LOCATION: 291°00'/7125'

Surveyed by: Dept. Interior | Survey Method: Theodolite Trav. | Elevation: 337.9' | Ref. Map: N14-120

Logged by: N. Hoyling | Cased: Not | Datum: H.W.B. | Ref. Report: BMR Records 1953/88

Sunk by: BMR | Type of Drill: Failing 1500 | Depth: 176' | Date Begun/Finished: 22.7.52/28.8.52

Estimated Depth Ft.	Ins.	Estimated Thickness Ft.	Ins.	GEOLOGICAL DESCRIPTION OF STRATA	Core Measured Ft.	Ins.	Coal Sample No.	Min. Bands Included Ft.	Ins.	Min. Bands Excluded Ft.	Ins.	PROXIMATE ANALYSIS H.M.	V.	F.C.	ASH	B. TH. U/LB
65	6	65	6	Sandstone, brown, medium to very coards grained w. thin fine conglomerate bds.												
66	0		6	COAL, dull w. white claystone												
66	4		4	Claystone white very soft		4										
67	0		8	Claystone, dk. grey very soft		8										
70	0	3	0	Claystone, black, soft probably weathered Coal	1	3										
71	0	1	0	Shale, grey soft												
73	6	2	6	Sandstone, grey soft shaly in the bottom quarter	2	6										
144	6	71	0	Sandstone, grey very soft, shaly												
145	0		6	COAL, dull								GT. NORTHERN SEAM (T.H.R.)				
147	0	2	0	COAL, dull shaly w. bright bands	1	11										
147	2		2	Siltstone, grey		2										
149	0	1	10	COAL, soft & bright ?weathered	1	10										
149	6		6	Shale, black, medium soft		5										
149	9		3	Shale, black, hard		3										
152	0	2	3	Shale, black, soft to medium soft ?wd coal		11										
153	0	1	0	COAL, dull shaly		8										
153	1		1	Shale, greyish-brown medium soft		1										
153	10		9	COAL, dull with bright bands		9										
154	0½		2½	Shale, brown, soft		2½										
155	0		11½	COAL, dull with bright bands		5										
155	9		9	Shale, black, medium hard		6										
156	3		6	Shale, brown, medium soft sandy		6										
157	0		9	Shale, black, hard		2										
157	11		11	Shale, light grey. soft		11										
158	6		7	COAL, mostly dull		7										
159	0		6	Shale, dk.brownish-grey		1½										
159	7		7	Shale, light brownish-grey		7										
162	10½	3	3½	COAL. dull with bright bands	1	5										

Name and No. of Bore ~~BMR 4~~ KILLINGWORTH

Estimated Depth Ft.	Estimated Depth Ins.	Estimated Thickness Ft.	Estimated Thickness Ins.	GEOLOGICAL DESCRIPTION OF STRATA	Core Measured Ft.	Core Measured Ins.	Coal Sample No.	Min. Bands Included Ft.	Min. Bands Included Ins.	Min. Bands Excluded Ft.	Min. Bands Excluded Ins.	PROXIMATE ANALYSIS H.M.	V.	F.C.	ASH	B. TH. U/LB
163	0		1½	Shale, l.brown, medium soft		1½										
164	8	1	8	COAL, mostly dull		2										
164	10		2	Sandstone, yellowish-brown f.grd.soft		2										
165	10	1	0	Sandstone, greyish-white fine grained hd.	1	0										
168	11	3	0	COAL, dull & soft w. bright parts generally weathered	2	1										
169	1		2	Shale, grey silty hard		2										
169	6		5	Shale, dk.grey		5										
169	8		2	Claystone, grey dense sideritic		2										
170	11	1	3	Shale, black hard		10½										
171	0		1	Shale, brownish-yellow soft		1										
172	0	1	0	COAL, shlay w. some bright bands		8½										
172	5		5	Shale, greyish-black hard		3										
173	4		11	COAL, dull w. bright bands		2										
173	8		4	Shale, black medium hard-brittle		3½										
173	9		1	Shale, light grey, carb. soft		1										
174	2½		5½	Shale, black, medium hard		5½										
174	6		3½	Shale, grey soft		2½										
176	0	1	6	Shale. light brownish-grey very dense medium hard	1	6										
				Hole completed									typed 27.10.53			

BUREAU OF MINERAL RESOURCES

Name and No. of Bore: BMR 5 KILLINGWORTH APPROX. SE. Cnr. of Port. 34.

DISTRICT Newcastle COUNTY Northumberland PARISH Teralba PORTION 34 LOCATION 311° 30'/4725'

Surveyed by Dept. Interior Survey Method Theodolite Trav. Elevation 205.0' Ref. Map N14-120

Logged by N. Hoyling Cased Not Datum H.W.B. Ref. Report BMR Records 1953/88

Sunk by BMR Type of Drill Failing 750/262 Depth 44'4" Date Begun/Finished 4.8.52/4.8.52

Estimated Depth Ft.	Ins.	Estimated Thickness Ft.	Ins.	GEOLOGICAL DESCRIPTION OF STRATA	Core Measured Ft.	Ins.	Coal Sample No.	Min. Bands Included Ft.	Ins.	Min. Bands Excluded Ft.	Ins.	PROXIMATE ANALYSIS H.M.	V.	F.C.	ASH	B. TH. U/LB
5	0	5	0	Shale light brownish-grey medium soft												
10	0	5	0	Shale, dark brown medium soft												
15	0	5	0	Shale, pinkish buff												
24	0	9	0	Sandstone, light brown, medium grained friable & shaly												
29	0	5	0	Shale, dark brown & black medium hard with some white claystone bands												
44	4	15	4	Sandstone, brown coarse grained rather friable												
				Hole abandoned.								typed 27.10.53				