



SK46SE 100
SK46SE/015

SILVERHILL COLLIERY

VENTILATION MONITORING BOREHOLE NUMBER 1

NG COORDINATES E 446 637.26 N 362 355.38

446637:

362355

Drillers datum, surface of made ground 139.524 m A.O.D.

Log made using chipping samples taken at 1 metre intervals,
together with drillers records and cores from 86.50 to 89.50.

	Thickness m	Depth m
Made Ground, colliery spoil	5	5
Siltstone sandy, stained.	5	10
Mudstone	2	12
Mudstone silty/Siltstone fine	2	14
Mudstone	3	16
COAL Hazles	0.5	17.50
Mudstone few silt and coal frags	3.5	21
Siltstone sandy	2	23
Mudstone and Siltstone	1	24
Siltstone sandy	3	27
Siltstone and Sandstone	3	30
Siltstone and Mudstone	1	31
Siltstone sandy	1	32
Siltstone and Mudstone	6.4	38
COAL Kents Thick	0.3	38.7
Mudstone and Siltstone	1.3	40
Siltstone sandy	3	43
Siltstone fine and Mudstone (no sample 45)	6	49
Siltstone sandy	2	51
Siltstone fine / Mudstone few sandy frags, coal frags near top	5	56
Mudstone common coal frags (drillers did not record coal)	1	57
Mudstone dark	7	64
Siltstone sandy	2.6	66.6
COAL	0.2	66.8
Mudstone dark / carbonaceous	3.9	70.70
COAL	0.2	70.90

Severe drilling difficulties were experience below this depth with
numerous block offs.

Chipping samples contaminated due to drilling difficulties and
circulation problems, generally seem to comprise dark mudstones
with coal frags

Samples not recovered at 80, 82, 86,

Coals recorded by drillers

Coal	0.3	82.20
Coal	0.2	84.80

RECEIVED N.G.D.C.
DATE: 4th Nov 92
SIGN: *[Signature]*

ACCEPTED
9406

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Cores taken from 86.50 to 89.50 (abandoned below this depth due to drilling difficulties)

Start of cores	86.50
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Seatearth Siltstone, ferruginous nodules, roots, overcored lump	0.05	86.55
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Mudstone to Mudstone silty moderately laminated, few tracks towards base.	0.94	87.49
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Core lost (somewhere in next run ? here)	0.60	88.09
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Mudstone dark, moderately laminated tracks	0.29	88.38
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Mudstone moderately laminated, well developed sub vertical sheared fracture	0.15	88.53
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sharp

Seatearth Siltstone fine to medium diffuse sandy laminae and layers 80:20 to 70:30 down, vague ripple drift, common roots.	0.97	89.50
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End of cores	89.50
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Samples not recovered 89.50 to 93.00

93 to 95 large fragments of oxidised coal and mudstone
????? TOP HARD GOAF

95 -102 generally mudstone with some silt and coal frags.

Bottom of Borehole	102.00
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GEOLOGICAL STRATA SECTION

COLLIERY: SILVERHILL

SEAM: Surface - Top Hard

DISTRICT: Ventilation BH No 1

DISTANCE (m) FROM:

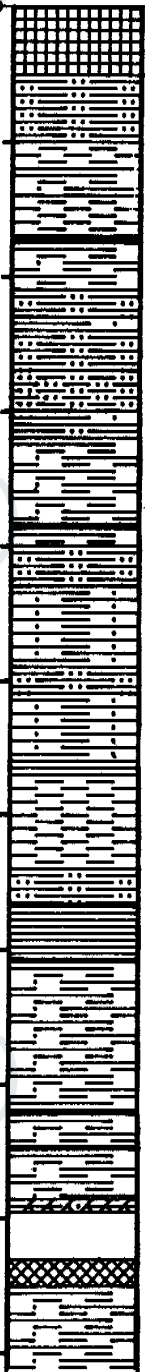
N.G. COORDINATES E 446637 N 362355

LEVEL (m) 139.524

EXAMINED BY S. LUNNON

DATE: June 92

Borehole drilled into Top Hard workings for ventilation
monitoring purposes. (ABORTIVE)

GRAPHIC LOG	THICKNESS (cm)	NATURE OF STRATA		
	500	MADE GROUND (TIP SPOIL)		
10				
20	50	COAL (HAZLES)		
30				
40	30	COAL (KENTS THICK)		
50				
60				
70	20	COAL		
80	20	COAL Severe drilling difficulties below this depth with numerous block offs and sample contamination.		
90				
100	30	COAL		
	20	COAL		
	350	No samples recovered		
	200	Oxidised Coal/Mudstone frags ? TOP HARD GOAF / CRUSHED PILLAR		
		Bottom of Borehole 102.00 metres		

SCALE 1" = 500'