

780

BORING NO. B-1			
A	B	C	G.E. 771.13
			0.0'-10.0' Br. Silty Clay
			100'-15.0' Br. Weathered Clay Shale
	R.Q.D.		15.0'-35.0' Gy. Med. Grain Sandstone w/ Vert. Fractures At 24.0', 25.5', 27.5' & 32.0'
25.0	55%	100%	Lost Water At 28.0'
30.0	90%	100%	Regained 50% At 30.0'
35.0	44%	100%	Lost Water Again At 48.5'
40.0	11%	100%	35.0'-39.5' Dk. Gy. Fine Grain Sandy Shale
45.0	40%	100%	39.5'-46.5' COAL, V. Broken w/ Vert. Fractures, Water Stained
55.0	28%	54%	46.5'-48.5' Dk. Gy. Fine Grain Sandy Shale
			48.5'-52.6' VOID
			52.6'-53.0' Dk. Gy. Shale
			53.0'-55.0' COAL
65.0	80%	100%	55.0'-73.0' Gy. Fine Grain Sandstone w/ Clay Seam At 65.0'
75.0	60%	95%	73.0'-79.0' Dk. Gy. Shale w/ Carbonaceous Streaks
85.0	65%	100%	
95.0	93%	100%	79.0'-128.5' Gy. Med. Grain Sandstone
105.0	95%	100%	
115.0	96%	100%	
125.0	99%	100%	
135.0	45%	100%	128.5'-129.5' Dk. Gy. Shale
			129.5'-136.2' COAL
145.0	81%	100%	136.2'-175.8' Dk. Gy. Fine Grain Sandy Shale
155.0	53%	100%	
165.0	61%	95%	
175.0	80%	100%	175.8'-178.0' VOID
184.0	40%	41%	178.0'-184.0' COAL & Mine Gob
186.0	70%	90%	184.0'-186.0' Dk. Gy. Shale
End Of Boring 186.0'			

580 DATUM

BORING NO. B-2

A	B	C	G.E. 744.41
			0.0'-1.0' Road, Asphalt
			1.0'-15.0' Br. Silty Clay w/ Sandstone Boulders
	R.Q.D.		15.0'-30.0' Gy. V. Broken Sandstone w/ Water Stains
25.5	0%	40%	Lost Water At 21.0'
30.5	19%	90%	
35.5	0%	60%	30.0'-39.0' COAL, V. Broken & Water Stained
40.5	0%	84%	39.0'-45.0' Broken COAL & Gy. Shale No Recovery, No Void Detected
60.5	60%	100%	45.0'-61.5' Gy. Sandstone, Fine Grain & Broken
			61.5'-62.3' Dk. Gy. Shale
			62.3'-65.0' VOID
			65.0'-68.5' Dk. Gy. Carbonaceous Shale
70.5	22%	64%	68.5'-73.5' Dk. Gy. Sandstone, Fine Grain
75.5	38%	100%	
85.5	97%	100%	
95.5	81%	99%	73.5'-109.5' Gy. Sandstone Med. Grain
105.5	91%	100%	
115.5	51%	56%	109.5'-111.0' Dk. Gy. Shale
			111.0'-115.5' VOID
125.5	71%	83%	115.5'-161.5' Dk. Gy. Sandy Shale
135.5	78%	100%	
145.5	77%	99%	
155.5	82%	100%	
165.5	40%	60%	161.5'-163.2' VOID
			163.2'-164.0' Dk. Gy. Shale
			164.0'-170.5' VOID
			170.5'-171.0' Dk. Gy. COAL, Broken
			171.0'-173.0' Dk. Gy. Shale
173.0	65%	42%	End Of Boring 173.0'

BORING NO. B-3

A	B	C	G.E. 775.84
			0.0'-12.0' Br. Silty Clay
	R.Q.D.		12.0'-18.0' Br. Weathered Shale
25.5	30%	84%	18.0'-42.0' Gy. Fine Grain Sandstone, Broken w/ Vert. Fractures At 19.0'-20.5', 32.0', 41.5'
			Lost Water At 18.0'
35.5	80%	100%	
45.5	9%	100%	42.0'-42.4' Blk. Carbonaceous Clay
			42.4'-49.2' Coal w/ Shale Binders & Water Stains
			49.2'-50.5' VOID
			50.5'-53.5' COAL, V. Broken, Water Stained
			53.5'-55.5' Dk. Gy. Shale, V. Broken Water Stained
			55.5'-58.0' COAL, Mine Gob & Wood V. Broken & Water Stained
			58.0'-58.5' Dk. Gy. Shale
			58.5'-73.0' Gy. Fine Grain Sandstone Clay Seam At 68.5'
70.5	85%	100%	73.0'-75.5' COAL
80.5	5%	100%	75.5'-81.5' Dk. Gy. Fine Grain Sandy Shale
90.5	83%	100%	81.5'-137.6' Gy. Fine to Med. Grain Sandstone
100.5	94%	100%	
110.5	70%	100%	
120.5	88%	100%	
130.5	81%	100%	
140.5	64%	70%	137.6'-143.0' VOID
150.5	55%	70%	143.0'-162.5' Dk. Gy. Fine Grain Sandy Shale w/ Clay Seam At 149.0'
160.5	88%	100%	
170.5	74%	100%	162.5'-163.0' COAL
			163.0'-174.5' Dk. Gy. Fine Grain Sandy Shale
180.5	42%	100%	174.5'-183.0' COAL w/ Shale Binders
185.5	40%	100%	183.0'-185.5' Dk. Gy. Shale
End Of Boring 183.5'			

BORING NO. B-4

A	B	C	G.E. 774.19
			0.0'-7.0' Br. Slag, Fill
	R.Q.D.		7.0'-15.0' Br. Silty Clay
20.5	20%	96%	15.0'-16.5' Gy. Sandstone, Broken Lost Water at 15.5'
			16.5'-17.0' Gy. Shale, Broken
25.5	58%	100%	17.0'-30.0' Gy. Sandstone, Broken - V. Broken w/ Vert. Fractures At 28.0'-30.0'
30.5	26%	90%	30.0'-30.5' VOID
			30.5'-35.0' Gy. Sandstone, V. Broken w/ Shale Streaks & Small Voids
			35.0'-35.5' VOID
			35.5'-45.0' Gy. Sandstone, V. Broken w/ Shale Streaks & Small Voids 45° Bedding Plane
			45.0'-50.5' COAL, V. Broken w/ Carbonaceous Shale Streaks
			50.5'-52.0' Dk. Gy. Shale
55.5	66%	82%	52.0'-67.5' Gy. Fine Grain Sandstone Hard
60.5	86%	99%	
65.5	84%	100%	
70.5	68%	100%	67.5'-70.0' COAL, Hard w/ Carbonaceous Shale Streaks
			70.0'-75.5' Dk. Gy. Sandstone
75.5	80%	100%	75.5'-80.3' Dk. Gy. Shale, Broken w/ Carbonaceous Shale Streaks
80.5	32%	100%	80.3'-85.0' Dk. Gy. Fine Grain Sandstone Hard
85.5	95%	100%	
90.5	94%	100%	
95.5	99%	100%	85.0'-132.5' Lt. Gy. Med. Grain Sandstone Hard
100.5	100%	100%	
105.5	100%	100%	
110.5	98%	100%	
115.5	100%	100%	
125.5	97%	100%	
130.5	100%	100%	
135.5	90%	100%	132.5'-135.5' Dk. Gy. Shale
140.5	24%	96%	135.5'-142.0' COAL, Hard w/ Carbonaceous Shale Streaks
145.5	62%	100%	
155.5	100%	100%	142.0'-160.0' Gy. Shale
160.5	58%	96%	
			160.0'-160.5' COAL
			160.5'-171.5' Hard Dk. Gy. Shale Fine Grain
170.5	82%	100%	
			171.5'-181.0' Hard COAL w/ Shale Streaks
178.5	59%	99%	
185.5	98%	100%	181.0'-185.5' Hard Dk. Gy. Shale, Fine Grain
End Of Boring 185.5'			

BORING NO. B-5

A	B	C	G.E. 778.71
			0.0'-5.0' Dk. Br. Cinders Fill
			5.0'-10.0' Br. Silty Clay
	R.Q.D.		10.0'-15.0' Br. Weathered Clay Shale
20.0	20%	84%	15.0'-22.5' Gy. Med. Grain Sandstone Very Broken
25.0	2%	33%	22.5'-25.0' VOID
			25.0'-28.0' Gy. Med. Grain Sandstone V. Broken - 45° Bedding Plane
			28.0'-30.0' VOID
			30.0'-32.5' Gy. Med. Grain Sandstone V. Broken - 45° Bedding Plane
			32.5'-35.0' VOID
			35.0'-40.0' Gy. Med. Grain Sandstone V. Broken - 45° Bedding Plane
			40.0'-48.0' Coal, Sandstone, Shale & Mine Gob, V. Broken
45.0	0%	30%	
50.0	39%	80%	48.0'-62.5' Gy. Fine Grain Sandstone
60.0	100%	100%	
			62.5'-64.0' COAL
70.0	86%	99%	64.0'-80.0' Dk. Gy. Sandy Shale, Fine Grain
80.0	78%	100%	
90.0	99%	100%	80.0'-129.5' Gy. Med. Grain Sandstone
100.0	100%	97%	
110.0	100%	100%	
115.0	94%	100%	
120.0	100%	100%	
130.0	97%	100%	129.5'-132.3' Dk. Gy. Sandy Shale Fine Grain
			132.3'-138.0' VOID, Mine
140.0	38%	42%	138.0'-139.0' COAL
150.0	100%	100%	139.0'-154.0' Dk. Gy. Sandstone Fine Grain
160.0	50%	90%	
			154.0'-156.5' Dk. Gy. Shale
			156.5'-157.0' COAL
164.0	20%	85%	157.0'-164.0' Dk. Gy. Shale
169.0	95%	100%	164.0'-171.0' Gy. Coarse Grain Sandstone
174.0	65%	100%	171.0'-174.0' Dk. Gy. Shale
178.0	0%	39%	174.0'-183.0' COAL
183.0	20%	95%	End Of Boring 183.0'

BORING NO. B-6

A	B	C	G.E. 776.75
			0.0'-1.0' Road Material
			1.0'-10.0' Br. Silty Clay
	R.Q.D.		10.0'-30.0' Gy. Broken Med. Grain Sandstone w/ Clay Seams, 26.5'
15.0	33%	99%	16.5'-17.5' Vert. Fracture
			Lost Water 11.0'
25.0	20%	85%	
30.0	56%	100%	30.0'-36.0' Gy. Very Broken Med. Grain Sandstone
35.0	0%	90%	
			36.0'-45.0' Coal, Broken
45.0	0%	100%	45.0'-46.0' VOID
			46.0'-48.0' Dk. Gy. Fine Grain Sandy Shale
			48.0'-53.0' Coal, Mine Gob
55.0	30%	60%	53.0'-66.0' Dk. Gy. Fine Grain Sandy Shale
63.5	82%	100%	
70.0	54%	100%	66.0'-68.3' Coal
			68.3'-78.0' Dk. Gy. Shale
80.0	45%	100%	
90.0	98%	100%	
100.0	91%	100%	78.0'-130.0' Gy. Fine to Med. Grain Sandstone
110.0	60%	100%	
120.0	65%	100%	
130.0	87%	100%	130.0'-136.3' Dk. Gy. Broken Shale
			136.3'-140.0' VOID
140.0	31%	60%	140.0'-142.5' Coal, Mine Gob
150.0	21%	75%	142.5'-171.5' Dk. Gy. Broken Shale w/ Clay Seams
160.0	61%	100%	
170.0	59%	100%	
			171.5'-172.0' Gy. Sandstone
			172.0'-173.0' VOID
			173.0'-182.8' Mine Gob
180.0	0%	32%	End Of Boring 185.0'

GENERAL NOTES

- Column A Denotes Bottom Of Core Run
- Column B Denotes R. Q. D.
- Column C Denotes Percent Of Core Recovery

FOR BORING LAYOUT SEE DRAWING NO. 10F 1.

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL RESOURCES
OFFICE OF RESOURCES MANAGEMENT
PROJECT NO. OSM 35(803-83)101.5
CORE BORING SUBSURFACE INVESTIGATION
SCRANTON TECHNICAL HIGH SCHOOL
CITY OF SCRANTON
LACKAWANNA COUNTY, PENNSYLVANIA

BORING LOGS

DRAWN BY	S. R. S.	DATE	OCT. 5, 1984	DRAWING NO.
CHECKED BY	S. F.	SCALE	1" = 10'	