

00 239

TELKWA
CORE
DESCRIPTIONS
1983

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-301
 PROJECT TELKWA
 LOG DATE 83/06/04
 EXAMINED BY J. EISENMAN

TOP	BASE	SEAM	SAM NUM	THIK	% REC	MAJ	MINOR	DETAIL	DEPTH	C.B.A.
.00	4.07			4.07	0	OB				
4.07	4.17			.10	0	SS		COARSE GRAIN, CRUSHED - RECOVERED 0.10, VERY HARD		
4.17	4.38			.21	0	CLAY		VERY SOFT, BLACK, RECOVERED 0.21M		
4.38	4.45			.07	0	MDST		HARD, DARK GREY, CRUSHED, RECOVERED 0.07M		
4.45	5.00			.55	0	COAL		BROKEN, NO CLEAR CONTACT WITH HANGWALL - BROKEN AND LOST CORE, MAINLY DULL WITH BRIGHT BANDS, RECOVERED 0.06M		
5.00	5.60	6		.60	0	COAL		AS ABOVE, RECOVERED .16M, NO CONTACT WITH FOOTWALL		
5.60	6.00			.40	0	CLAY		BLACK, SOFT, FRIABLE, RECOVERED .14M, SILTY		
6.00	8.23			2.23	0	MDST		DARK GREY TO BLACK, THINLY BEDDED WITH SILTSTONE LAYERS, RIPPLE BEDDING, MINOR BIOTURBATION, RECOVERED .80M	8.00	78
8.23	8.40			.17	0	COAL		DULL BANDED, BROKEN, RECOVERED .04M		
8.40	9.60			1.20	0	SLST		GREY, COAL FRAGMENTS AND LEAF IMPRINTS THROUGHOUT, NO APPARENT BEDDING, RECOVERED .25M		

CONFIDENTIAL

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9.60	10.40			.80	0	MDST	SLST	GREY, THINLY BEDDED, RECOVERED .40M	9.10	78
10.40	10.80			.40	0	SS		VERY FINE GRAIN, DIRTY, COAL FRAGMENTS. RIPPLE BEDDING. GREY, RECOVERED .35		
10.80	11.28			.48	0	SLST		BROKEN, GREY, LAMINAE WITH ALTERNATING LIGHT AND DARK BANDS - RIPPLED AND IRREGULAR, RECOVERED .32M		
11.28	11.48			.20	85	SLST		AS ABOVE, RECOVERED .17M		
11.48	12.47	6		.99	0	COAL		NO CONTACT WITH HANGWALL OR FOOTWALL, DULL BANDED, HARD, RECOVERED .12M		
12.47	12.80			.33	0	SLST		GREY, WELL DEVELOPED BEDDING, RECOVERED .33	12.00	76
12.80	13.10		468	.30	0	COAL		FUSAIN, RECOVERED .17M, SOME BRIGHT BANDING, NO HANGWALL CONTACT		
13.10	14.08	6	468	.98	0	COAL		SEMI-LUST WITH BRIGHT BANDING, BROKEN, RECOVERED .12M, NO FOOTWALL CONTACT		
14.08	14.98			.90	0	SLST		GREY, POORLY DEVELOPED BEDDING, MODERATELY HARD, RECOVERED .90M	14.60	77
14.98	15.52			.54	0	SLST		AS ABOVE, RECOVERED .43M		
15.52	15.53			.01	0	BENT		LIGHT GREY, VERY SOFT, DRY.		

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TOP	BASE	SEAM	SAM NUM	THIK	% REC MAJ	MINOR	DETAIL	DEPTH	C.B.A.
							3MM ON TOP OF COAL		
15.53	15.63	6	469	.10	0	COAL	NO CONTACT WITH HANGWALL, MAINLY DULL - SEMI-LUST, SOME BRIGHT BANDS, RECOVERED .10M	15.60	76
15.63	15.64	6	469	.01	0	COAL	VERY DIRTY, POSSIBLY BENTONITIC, PYRITE SWIRL		
15.64	16.24	6	469	.60	88	COAL	SEMI-LUST WITH BRIGHT BANDING, CLEAN, 1CM PYRITE BAND @ 15.86M, REC .60M		
16.24	16.40	6	469	.16	0	COAL	MAINLY DULL, DIRTIER THAN ABOVE COAL, SMALL BRIGHT BANDING, RECOVERED .12M		
16.40	17.32	6	469	.92	0	COAL	SEMI-LUST WITH NUMEROUS BRIGHT BANDS, CLEAN, STICK CORE, RECOVERED .75M, NO CONTACT WITH FOOTWALL	17.00	75
17.32	21.40			4.08	54	SS SLST	FINE GRAIN, LIGHT AND DARK GREY, IRREGULAR BEDDING DEPOSITS, SLUMPING, SEVERAL SMALL MEDIUM GRAIN BANDS, ARGILLACEOUS, BIO-TURBATING, REC 2.2M	20.80	78
21.40	25.91			4.51	82	SS SLST	AS ABOVE, MEDIUM GRAIN, RECOVERED 3.70M	23.40	77
25.91	28.96			3.05	105	SLST	DARK GREY, FRIABLE, THINLY BEDDED, IRREGULAR, SANDSTONE LENSES, DEPOSITIONAL SLUMPING, VERY SANDY AT BOTTOM, RECOVERED 3.20M	27.70	75
28.96	32.70			3.74	107	SS	MEDIUM GRAIN, GREY, BEDDED	29.60	78

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TOP	BASE	SEAM	SAM NUM	THIK	% REC	MAJ	MINOR	DETAIL	DEPTH	C.B.A.
								WITH THIN SILTSTONE BANDS - DARK GREY, MODERATELY HARD, RECOVERED 4.00M, DEPOSITIONAL SLUMPING, BIO-TURBATION, LOWER 10CM CONTAINS NUMEROUS PYRITE CRYSTALS	32.60	78
32.70	33.22	3	470	.52	88	COAL		MAINLY SEMI-LUSTEROUS, NUMEROUS THIN BRIGHT BANDS, CLEAN, SOME CALCITE ALONG FRACTURES, SMALL PYRITE BLEBS THROUGHOUT, RECOVERED .46M HANGWALL SEPARATION: PHYSICAL - VERY GOOD; VISUAL - FAIR; NO FW CONTACT	33.10	75
33.22	33.97	3		.75	0	SLST		DARK GREY, COAL FRAGMENTS THROUGHOUT, POORLY DEVELOPED BEDDING, MODERATELY HARD, RECOVERED .70M		
33.97	35.20	3	471	1.23	93	COAL		RECOVERED 1.15, SEMI-LUST WITH BRIGHT BANDS, PYRITE - SMALL FLECKS THROUGHOUT, FROM 34.97-35.00 PYRITE COMPOSES	35.10	75
% OF CORE,								GENERALLY CLEAN, SEPARATION WITH HANGWALL CONTACT: VISUAL - FAIR; PHYSICAL - GOOD; FOOTWALL CONTACT: VISUAL - FAIR; PHYSICAL - FAIR		
35.20	36.06			.86	100	SLST		RECOVERED .86, DARK GREY, COAL FRAGMENTS, MEDIUM HARD		
36.06	36.40	3	472	.34	100	COAL		SEMI-LUST, VERY THIN BRIGHT BANDS, CLEAN, RECOVERED .34M, SEPARATION WITH HANGWALL &		

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TOP	BASE	SEAM	SAM NUM	THIK	% REC	MAJ	MINOR	DETAIL	DEPTH	C.B.A.
								FOOTWALL BOTH VISUAL & PHYSICAL - POOR		
36.40	36.77			.37	100	SLST		DARK GREY, COAL FRAGMENTS, MODERATELY HARD, RECOVERED .37M	36.70	73
36.77	37.12	3	473	.35	100	COAL		SEMI-LUST, BRIGHT BANDED, MAINLY CLEAN WITH DIRTY BAND FROM 36.95-37.00, RECOVERED .35M, SEPARATION: HANGWALL: VISUAL & PHYSICAL POOR; FW NO CONTACT		
37.12	39.02			1.90	100	MDST	SS	DARK GREY, RECOVERED 1.90M, SWIRLS IRREGULAR BEDDING		
39.02	39.22			.20	100	IRST		RECOVERED .20M, GREY, VERY HARD, 5 CM CALCITE BAND IN MIDDLE		
39.22	41.16			1.94	0	MDST		DARK GREY IRREGULAR BEDDING, RECOVERED 2.10M		
41.16	41.36			.20	100	COAL		RECOVERED .20M, SEMI-LUST, CLEAN		
41.36	44.76			3.40	100	SLST		GREY, COAL FRAGMENTS, MODERATELY HARD, RECOVERED 3.40M		
44.76	46.50	2	474	1.74	10	COAL		RECOVERED .18M, BADLY BROKEN, LUST, CLEAN, NO CONTACTS		
46.50	46.93			.43	100	MDST		DARK GREY, COAL SWIRLS, BROKEN, RECOVERED .43M		
46.93	47.45	2		.52	6	COAL		RECOVERY - 0.03/0.52 = 6%		
47.45	47.76			.31	0	MDST				

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TOP	BASE	SEAM	SAM NUM	THIK	% REC MAJ	MINOR	DETAIL	DEPTH	C.B.A.
47.76	47.89	2		.13	0	COAL			
47.89	58.50			10.61	0	SLST	RECOVERED 10.55M, DARK GREY, POORLY DEVELOPED BEDDING, MODERATELY HARD.	49.20	70
							UPPER 3M CONTAINS NUMEROUS THIN SANDSTONE LAYERS, 3CM IRONSTONE BAND AT	49.70	70
							49.2M, 10CM IRONSTONE BAND AT 49.4M 5CM BAND AT 51.1M	50.00	69
58.50	59.20			.70	0	SLST	RECOVERED .70M, FINE GRAIN, SANDY, POORLY DEVELOPED BEDDING		
59.20	59.40			.20	0	IRST	VERY HARD, SLIGHTLY LIGHTER COLOR THAN SURROUNDING ROCK, SLST CLAST		
59.40	63.78			4.38	100	SLST	MEDIUM TO DARK GREY, SMALL COAL FRAGMENTS, MODERATELY HARD, RECOVERED 4.38M		
63.78	63.93			.15	0	SLST	HARD, RECOVERED .15M, FOSSILL REMNANTS		
63.93	67.15			3.22	0	SLST	MEDIUM TO DARK GREY, SMALL COAL GRAGMENTS, MODERATELY HARD, RECOVERED 3.00M POORLY DEVELOPED BEDDING		
67.15	67.95			.80	0	SS	MEDIUM GRAIN, GREY, COAL FRAGMENTS, RECOVERED .80M		
67.95	72.24			4.29	0	SLST SANDY	RECOVERED 4.8M, COAL FRAGMENTS, MUDSTONE CLASTS SEVERAL		

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TOP	BASE	SEAM	SAM NUM	THIK	% REC	MAJ	MINOR	DETAIL	DEPTH	C.B.A.
.00	2.30			2.30	0	OB				
2.30	3.60	6		1.30	0	COAL				
3.60	5.06			1.46	0	CLAY	SILTY, GREY, VERY SOFT, RECOVERED 0.80			
5.06	7.81			2.75	103	SS	SLST	MOTTLED GREY, CONVOLUTED BEDDING, MODERATELY HARD, RECOVERED 2.85M		
7.81	7.96			.15	100	CLAY		GREY, VERY SOFT, TOP OF CORE BARREL RUN		
7.96	11.39	6	475	3.43	71	COAL		RECOVERED .22M, BROKEN, BRIGHT, CLEAN, SOME CONCHOIDAL FRACTURES RECOVERED .23M, BROKEN, AS ABOVE		
								SEMI-LUST, VERY HARD, DIRTIER THAN ABOVE, BROKEN, SOME VIT BANDS, REC .65M		
								MAINLY SEMI-LUST, WITH NUMEROUS THIN VIT BANDS, SOME FUSAIN BANDING, RECOVERED .27M		
								AS ABOVE, RECOVERED .23M		
11.39	14.00			2.61	98	SS		MOTTLED GREY, FINE TO MEDIUM GRAIN, CONVOLUTED BEDDING, SMALL COAL FRAGMENT RECOVERED 2.55M		
14.00	16.54			2.54	100	SS		AS ABOVE, MEDIUM GRAIN, LOWER	16.30	85

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TOP	BASE	SEAM	SAM NUM	THIK	% REC	MAJ	MINOR	DETAIL	DEPTH	C.B.A.
								30 CM HAS 4 IRONSTONE BANDS EACH 5 CM, RECOVERED 2.54M		
16.54	16.69			.15	100	SS		GREY, MEDIUM GRAIN, ONE 2CM IRONSTONE BAND, RECOVERED .15M	16.60	60
16.69	17.00			.31	90	MDST SS		DARK TO MEDIUM GREY, RECOVERED .28M	16.90	70
17.00	17.60			.60	100	SS		ARGILLACEOUS, MEDIUM GRAIN, ALTERNATING DARK GREY & GREY BANDS, DEPOSITIONAL SLUMPING, RECOVERED .60M	17.40	60
17.60	17.84			.24	100	SS		IRONSTONE, MEDIUM GRAIN, CALCITE INFILL ON FRACTURES		
17.84	18.74			.90	100	SS		VERY SILTY, DEPOSITIONAL SLUMPING, FINE GRAIN, RECOVERED .90M, RIPPLED UNEVEN BEDDING	18.80	65
18.74	18.81			.07	100	SLST VERY COALY		BLACK, TWO 1 CM VITRAIN BANDS		
18.81	22.16			3.35	100	SLST THIN FINE GRAIN SS INTERV		DARK GREY, THINLY BEDDED, BREAKS EASILY ALONG BEDDING, RECOVERED 3.35M MINOR BIODTURBATION, RIPPLED UNEVEN BEDDING	20.60	85
22.16	22.40			.24	0	SS		FINE GRAIN, GREY, THIN SILTSTONE FRAGMENTS AND SWIRLS, RECOVERED .24M		
22.40	24.41			2.01	100	SS		GREY, FINE GRAIN WITH THIN		

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TOP	BASE	SEAM	SAM NUM	THIK	% REC	MAJ	MINOR	DETAIL	DEPTH	C.B.A.
								DARK SILTSTONE INTERVALS, RIPPLED BEDDING, MODERATELY HARD, DEPOSITIONAL SLUMPING, 1 CM PYRITE LAYER 3 CM FROM BOTTOM, MODERATELY HARD, VISUAL SEPARATION WITH COAL - GOOD, RECOVERED 2.30M		
24.41	24.91	3	476	.50	100	COAL		MAINLY LUST, SOME VITRAIN BANDS, BROKEN, RECOVERED .50M		
24.91	25.56			.65	97	MDST		DARK GREY, COAL FRAGMENTS, FRIABLE, RECOVERED .63M, SEPARATION HANGWALL: VISUAL - FAIR, PHYSICAL - GOOD; FOOTWALL: VISUAL & PHYSICAL - FAIR		
25.56	26.14	3	477	.58	95	COAL		RECOVERED .55M, BRIGHT, CLEAN, NUMEROUS THIN VITRAIN BANDS	25.80	70
26.14	26.19	3	477	.05	100	COAL		VERY DIRTY, FRIABLE, RECOVERED .05M		
26.19	26.48	3	477	.29	100	COAL		RECOVERED .29M, SEMI-LUST, METALLIC APPEARANCE, HARD		
26.48	28.27			1.79	100	MDST COALY		DARK GREY TO BLACK, POORLY DEVELOPED BEDDING, RECOVERED 1.79M		
28.27	28.64	3	478	.37	100	COAL		MAINLY BRIGHT, CLEAN, RECOVERED .37M		
28.64	28.82		478	.18	100	MDST COALY		DARK GREY, 1 CM COAL BAND AT 28.73M, RECOVERED .13M		
28.82	29.27	3	478	.45	100	COAL		BRIGHT CLEAN, RECOVERED .45M, CONTACT WITH FOOTWALL: VISUAL - POOR,		

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TOP	BASE	SEAM	SAM NUM	THIK	% REC MAJ	MINOR	DETAIL	DEPTH	C.B.A.
28.82	29.27	3	478	.45	100	COAL	PHYSICAL - FAIR		
29.27	32.27			3.00	97	MOST THIN SS INTERVALS	MOTTLED, MINOR COAL FRAGMENTS, RECOVERED 2.90M	29.50	80
32.27	32.68		479	.41	56	COAL	CRUSHED, REWORKED, MAINLY CLEAN, RECOVERED .23M		
32.68	32.96			.28	0	SLST			
32.96	35.70			2.74	82	SLST FINE GRAIN SS INTERBEDDED	MAINLY DARK GREY, THINLY BEDDED, WELL DEVELOPED BEDDING, DEPOSITIONAL SLUMPING, RECOVERED 2.25	33.30	50
								35.50	40
35.70	47.85			12.15	100	SLST SANDY	DARK GREY, POORLY DEVELOPED BEDDING, OCCASIONAL SILTSTONE CLASTS, MINOR COAL FRAGMENTS, RECOVERED 12.15M	35.50	40
47.85	47.85			.00	0	LNKN			

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TOP	BASE	SEAM	SAM NUM	THIK	% REC	MAJ	MINOR	DETAIL	DEPTH	C.B.A.
.00	8.56			8.56	0	OB				
8.56	9.36			.80	88	SS	SLST	FINE TO MEDIUM GRAIN, MODERATELY HARD, ARGILLACEOUS, GREY, BANDED WITH IRREGULAR DARK SILTSTONE LAYERS, DEPOSITIONAL SLUMPING, RECOVERED .70M	9.60	80
9.36	10.84			1.48	86	SLST		DARK GREY, SOME COAL FRAGMENTS, RECOVERED 1.27M	10.00	82
10.84	11.16			.32	100	SS	SLST INTERBEDDED	MODERATELY HARD, ALTERNATING GREY & DARK GREY BANDS, RECOVERED .32M	11.40	78
11.16	11.36			.20	100	SLST		COAL TRACES, DARK GREY, MODERATELY HARD, RECOVERED .20M	.00	0
11.36	11.41			.05	100	MDST		POSSIBLE BENTONITIC, COALL FRAGMENTS, RECOVERED .05M, SOFT		
11.41	11.90	3	480	.49	69	COAL		SEMI-LUST, THIN DULL BANDS, HARD, RECOVERED .34M, NO HANGWALL CONTACT		
11.90	11.92	3		.02	100	PYRT		COALY		
11.92	11.97	3	480	.05	100	COAL		BRIGHT BANDED, RECOVERED .05M, NO CONTACT WITH FOOTWALL		
11.97	12.93			.96	100	SLST	SS LENSES	DARK GREY, MODERATELY HARD, IRREGULAR SWIRLED BEDDING POORLY DEVELOPED, RECOVERED .96M	12.30	78
12.93	12.96			.03	100	CLAY		DARK GREY TO BLACK, VERY SOFT,		

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TOP	BASE	SEAM	SAM NUM	THIK	% REC MAJ MINOR	DETAIL	DEPTH	C.B.A.
						RECOVERED .03M		
12.96	13.60	3	481	.64	97 COAL	SEMI-LUST WITH BRIGHT BANDS, CLEAN HARD, STICK CORE, RECOVERED .62M, SEPARATION WITH SILSTION ABOVE: VISUAL - GOOD, PHYSICAL - POOR .62M.	13.20	78
13.60	13.67		481	.07	71 CLAY	GREY TO DARK GREY, VERY SOFT, RECOVERED .05M		
13.67	14.11	3	481	.44	93 COAL	SEMI-LUST WITH BRIGHT BANDS, CLEAN, HARD, RECOVERED .41M, FOOTWALL CONTACT VISUAL - POOR, PHYSICAL - POOR	13.80	76
14.11	14.24			.13	100 MDST CARBONACEOUS	MODERATELY HARD, DARK GREY, RECOVERED .13M		
14.24	14.36	3	482	.12	67 COAL	BROKEN, RECOVERED .08M, DULL, DIRTY, NUMEROUS CALCITE BANDS		
14.36	14.42	3	482	.06	100 MDST COALY	SOFT TO MODERATELY HARD, SOAPY/WAXY FEEL, DARK GREY TO BLACK, REC .06M		
14.42	14.47		482	.05	100 CLAY	VERY SOFT, DARK GREY		
14.47	14.54	3	482	.07	43 COAL	CLEAN, RECOVER .03M		
14.54	14.69		482	.15	87 MDST COALY	RECOVERED .13M, DARK GREY, SOFT, SOAPY/WAXY FEEL		
14.69	14.84	3	483	.15	100 COAL	SEMI-LUST WITH BRIGHT BANDS, CLEAN, RECOVERED .15M, CALCITE		

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TOP	BASE	SEAM	SAM NUM	THIK	% REC MAJ	MINOR	DETAIL	DEPTH	C.B.A.
							ALONG CLEAT		
14.84	15.00	3	483	.16	100	COAL	DULL, DIRTY, CALCITE ALONG CLEAT, RECOVERED .16M, CONTACT WITH FOOTWALL: VISUAL - POOR, PHYSICAL - FAIR		
15.00	15.22			.22	100	SLST	DARK GREY, SOFT TO MODERATELY HARD, COAL TRACES, RECOVERED .22M	15.40	83
15.22	20.73			5.51	78	SLST SS	DARK GREY, BROKEN, EXCEPT FOR OCCASIONAL THIN SANDSTONE LAYERS, BEDDING IS POORLY DEVELOPED, MODERATELY HARD, THIN PYRITE LENSES AT 18.6M, REC 4.3M	16.00	73
20.73	21.48			.75	0	COAL	COAL - RECOVERED 0%	18.10	70
21.48	23.47			1.99	15	SLST	MAINLY LOST CORE, RECOVERED .40M, SILTSTONE AS ABOVE		
23.47	26.08			2.61	100	SLST	DARK GREY, POORLY DEVELOPED BEDDING, MODERATELY HARD, BROKEN, REC 2.61M DEPOSITIONAL SLUMPING	21.00	72
26.08	26.68	2	484	.60	0	COAL	BROKEN, UPPER 6 CM POLISHED. HANGWALL CONTACT: VISUAL - GOOD, PHYSICAL - POOR, LUST, CLEAN, RECOVERED .15M DULL, VERY DIRTY, RECOVERED .09M BROKEN, LUST, CLEAN, RECOVERED .10M	24.10	70

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26.68	26.80		484	.12	100 MDST COALY	SOFT TO MODERATELY HARD, GREY, RECOVERED .12M		
26.80	28.32	2	484	1.52	100 COAL	SEMI-LUST, BRIGHT BANDED, CLEAN, STICK CORE, RECOVERED 1.52M	27.20	65
							28.00	63
							28.20	61
28.32	28.40		484	.08	88 SLST COALY	GREY, MODERATELY HARD, RECOVERED .07M		
28.40	30.36	2	484	1.96	98 COAL	LUSTERIOUS, BRIGHT BANDS, CLEAN, STICK CORE, SOME CALCITE ALONG CLEATS, RECOVERED 1.93M, FOOTWALL CONTACT: VISUAL & PHYSICAL - FAIR	30.00	60
30.36	31.07			.71	100 SLST	MODERATELY HARD, DARK GREY, THINLY BEDDED, REC .71M, COAL TRACES THROUGHOUT	30.60	70
							34.60	60
31.07	41.76			10.69	101 SLST SS INTERBEDDED	GREY TO DARK GREY, DEPOSITIONAL SLUMPING, SANDSTONE CLASTS, RIPPLED RECOVERED 10.80M, BIOTURBATED	35.70	61
							38.70	68
41.76	50.90			9.14	97 SLST	DARK GREY, SEVERAL SMALL SANDSTONE CLUSTS, MODERATELY HARD, RECOVERED 8.90M	43.20	61
						STICK CORE, POORLY DEVELOPED BEDDING	47.70	60
50.90	50.90			.00	0 UNKN	TOTAL DEPTH		

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 EXAMINED BY J. EISENMAN

TOP	BASE	SEAM	SAM NUM	THIK	% REC MAJ MINOR	DETAIL	DEPTH	C.B.A.
.00	4.81			4.81	0 0B	SEMI-LUST WITH BRT AND DULL BANDING, HARD, SOME CONCHEIDAL FRAC, CLEAN, REC: 1.17 M F.W. CONTACT: VISUAL: FAIR PHYSICAL: POOR	39.60	74
4.81	5.00			.19	0 SLST	BADLY BRK, DK GY, REC: 0.19 M		
5.00	6.00	6	485	1.00	0 COAL	BKN, NO F.W. OR H.W. CONTACT, DULL BANDED FAIRLY DIRTY COAL, REC: 0.47 M		
6.00	6.05	6		.05	0 COAL	VERY DIRTY, DULL REC: 0.05 M		
6.05	7.28			1.23	87 MDST VERY SILTY	GY, SOFT - VERY SOFT, VERY WEATHERED - SOME PARTS TO CLAY, REC: 1.07 M		
7.28	7.36	6	486	.08	87 COAL	DULL, DIRTY PYRITE FLAKES		
7.36	9.21	6	486	1.85	73 COAL	SEMI - LUSTEROUS WITH NUMEROUS BRT AND DULL BANDS, GENERALLY A CLEAN COAL, REC: 1.35 M		
9.21	9.24			.03	0 CLAY	GY, COALY, VERY SOFT, WET		
9.24	11.28			2.04	83 SLST SS INTERBEDDED	MOTTLED GY AND DK GY, SEVERE DEPOSITIONAL SLUMPING,	9.40	74
						LENSING AND RIPPLE BEDDING, MOD HARD, 5 CM CRUSHED SLTST AND CLAY BAND	10.10	78
						58 CM FROM TOP, REC: 1.68	11.60	71

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-304
 PROJECT TELKWA
 LOG DATE 83/06/05
 EXAMINED BY J. EISENHAM

TOP	BASE	SEAM	SAM NUM	THIK	% REC	MAJ	MINOR	DETAIL	DEPTH	C.B.A.
11.28	11.68			.40	0	SS		F GR, GY, COAL TRACES, RIPPLE BEDDING, REC: 0.04 M		
11.68	25.62			13.94	100	SS	SLTST INTERBEDDED	SS IS F GR TO MED GR, BANDED GY AND DK GY, COAL TRACES, A FEW MDST CLASTS, SWIRLED AND RIPPLED BEDDING, MED HARD, 6 CM CLAY BAND 23.0, REC: 13.94 M	12.30	73
								REC: 13.94 M, PYRITE CRYSTAL THROUGHOUT LOWER 10 CM	13.90	75
									15.00	76
									16.50	74
									17.40	74
									17.70	78
									18.30	74
									19.50	72
									23.30	72
25.62	26.08	3	487	.46	100	COAL		SEMI-LUST WITH THIN BRT BANDS, CLEAN, HARD, REC: 0.46 M, H.W. CONTACT: VISUAL: GOOD. PHYSICAL: GOOD		
								NO CONTACT WITH F.W.		
26.08	26.91			.83	96	SLST SS		DK GY, COAL TRACES, VERY THINLY LAMIN, MOD HARD, REC: 0.80 M	26.30	80

CORE DESCRIPTION

03/07/84

HOLE ID TWB3D-304
 PROJECT TELKWA
 LOG DATE 83/06/05
 EXAMINED BY J. EISENMAN

TOP	BASE	SEAM	SAM NUM	THIK	% REC MAJ	MINOR	DETAIL	DEPTH	C.B.A.
26.91	28.00	3	488	1.09	78	COAL	SEMI-LUST, WITH BRT, BANDS, BKN, UPPER 10 CM CONTAINS PYRITE FLAKES, REC: 0.85 M H.W. CONTACT: VISUAL: GOOD PHYSICAL: FAIR	27.50	77
							NO F.W. CONTACT		
28.00	28.98			.98	0	SLST	DK GY, MOD HARD, COAL TRACES THROUGHOUT, POORLY DEV BEDDING, REC: 0.87 M, PYRITE CRYSTALS		
28.98	29.30	3	489	.32	100	COAL	METALIC APPEARANCE, CLEAN, TWIG IMPRINTS, SOME BRT BANDING, LOWER 6 CM DIRTIER, REC: 0.32 M		
29.30	29.62	3	490	.32	78	SLST	GY, SLICKENSIDING, PYRITE FLECKS, COAL TRACES, MOD HARD, REC: 0.25 M		
29.62	29.94	3	491	.32	100	COAL	SEMI-LUST, NUMEROUS THIN BRT BANDS, UPPER 4 CM DIRTY, SOME CALCITE ALONG FRACTURES, SOME VERY DIRTY "CHARCOAL" TEXTURE PIECES, MAINLY A CLEAN COAL REC: 0.32 M	29.80	77
29.94	33.81			3.87	0	SLST	DK GY, COAL TRACES, CONTACT WITH COAL ABOVE VISUAL: FAIR PHYSICAL: GOOD VERY THINLY LAMIN, RIPPLED BEDDING, SOME THIN SS BEDS. REC: 3.55 M BEDDING IS MAINLY POORLY DEV, CORE CRUMBLE EASILY	32.00	63
								32.80	73
								33.60	68

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-304
 PROJECT TELKWA
 LOG DATE 83/06/05
 EXAMINED BY J. EISENMAN

TOP	BASE	SEAM	SAM NUM	THIK	% REC	MAJ	MINOR	DETAIL	DEPTH	C.B.A.
33.81	33.96			.15	0	COAL		REC: 0.15 M SEMI-LUST, SOME BRT BANDING, MAINLY CLEAN H.W. CONTACT VISUAL: GOOD PHYSICAL: FAIR F.W. CONTACT VISUAL: POOR PHYSICAL: FAIR		
33.96	34.04		492	.08	0	MDST	VERY COALY	BLK, SOFT - MOD HARD, REC: 0.08 M		
34.04	34.32		492	.28	0	SLST		SOME SLICKENSIDING, COAL TRACES, REC: 0.28 M		
34.32	34.48		492	.16	0	COAL		DULL, VERY DIRTY, REC: 0.16 M		
34.48	34.62			.14	0	MDST		REC: 0.14 M, VERY COALY, BLK		
34.62	37.70			3.08	107	MDST	SILTY	GY, COAL TRACES THROUGHOUT, MOD HARD, LAMIN, SOME THIN SS LAYERS, REC: 3.30 M	35.80	73
									37.00	77
37.70	37.82	2		.12	0	COAL		BRT BANDED, CLEAN, REC: 0.12 M, H.W. CONTACT VISUAL: FAIR PHYSICAL: FAIR DULL, DIRTY, REC: 0.15		
37.82	39.74	2	493	1.92	71	COAL		DULL, DIRTY, REC: 0.15 M	39.60	74
								SEMI-LUST WITH BRT AND DULL BANDING, HARD, SOME CONSHEIDAL		

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-304
 PROJECT TELKWA
 LOG DATE 83/06/05
 EXAMINED BY J. EISENMAN

TOP	BASE SEAM	SAM NUM	THIK	% REC	MAJ	MINOR	DETAIL	DEPTH	C.B.A.
							FRAC, CLEAN, REC: 1.17 M F.W. CONTACT: VISUAL: FAIR PHYSICAL: POOR		
39.74	40.08		.34	100	MDST	SILTY	DK GY, COAL TRACES THROUGHOUT, MOD HARD, REC: 0.28 M	40.30	72
40.08	40.74 2	494	.66	100	COAL		STICK, CLEAN, BANDED, HARD, REC: 0.66 M, SOME CALCITE ALONG FRACT H.W. CONTACT: VISUAL: FAIR PHYSICAL: FAIR F.W. CONTACT: VISUAL: POOR PHYSICAL: FAIR	40.30	72
40.74	41.80		1.06	65	SLST		DK GY, THINLY LAMIN, UPPER 10 CM VERY COALY, COAL TRACES THROUGHOUT, MOD HARD, REC: 0.68 M	40.90	69
								41.50	60
41.80	60.05		18.25	99	SLST	SS	DK GY, MOD HARD, LAMIN BUT POORLY DEV. 7 CM IRONSTONE BAND AT 44.5 M COAL TRACES FOSSIL SHELL REMAINS FROM 53.95 - 54.3 M,	42.10	58
							SEVERAL THIN SS (FIGR) LAYERS, REC: 18.2 M	44.50	66
								46.30	67
								47.60	67
								52.50	69
								58.50	69

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-305

PROJECT TELKWA

LOG DATE 83/86/06

EXAMINED BY J. EISENMAN

TOP	BASE	SEAM	SAM NUM	THIK	% REC MAJ	MINOR	DETAIL	DEPTH	C.B.A.
.00	13.00			13.00	0	DB			
13.00	13.76			.76	23	SLST SANDY	BADLY BKN, GY - DK GY, COAL TRACES, CORE EASILY CRUMBLES, MOD HARD, REC: 0.75 M	22.40	67
13.76	18.70	6	495	4.94	6	COAL	BKN DEPTH AT TOP IS NOT CERTAIN, BRT BANDED, CLEAN, NO CONTACTS, REC: 0.30 M	23.40	72
18.70	20.64			1.94	62	MDST	DK GY, SOFT, WEATHERED, COAL TRACES, REC: 1.20 M		
20.64	22.14			1.50	100	SS I	F GR - MED GR, COAL TRACES AND 1 CM BAND, MOD HARD, GY, 2 CM BAND AT 21.3 M WITH HIGH PYRITE CONTENT, NO HCL REACTION, 4 CM CLAY LAYER AT 21.33 M, REC: 1.50 M		
22.14	25.98			3.84	47	MDST SS - F GR	DK GY, SOFT - MOD HARD, COAL, TRACES, THIN SS LENSES AND SWIRLS THROUGHOUT, REC: 3.3 M, VERY SILTY, POORLY DEV BEDDING	27.00	68
25.98	26.63	3		.65	0	COAL			
26.63	29.16			2.53	0	MDST			

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-305
 PROJECT TELKWA
 LOG DATE 83/06/06
 EXAMINED BY J. EISENMAN

TOP	BASE	SEAM	SAM NUM	THIK	% REC MAJ	MINOR	DETAIL	DEPTH	C.B.A.
29.16	30.07	3	496	.91	43	COAL	BADLY BROKEN, MAINLY DULL WITH BRIGHT BANDS, DIRTY COAL, RECOVERED 0.40. NO CLEAR CONTACTS WITH HANGWALL OR FOOTWALL		
30.07	34.85			4.78	54	MDST VERY SILTY	THIN F GR LENSES, CONVOLUTED BEDDING, DK GY, MOD HARD, COAL TRACES THROUGHOUT, REC: 2.6 M	36.00	64
34.85	35.02		497	.17	100	COAL	REC: 0.17 M, BRT BANDED, LOWER 2 CM VERY HIGH PYRITE CONCENT, BKN,	36.90	70
35.02	35.20		497	.18	100	COAL	REC: 0.18 M, DULL, VERY DIRTY,		
35.20	37.90			2.70	74	SLST	COAL TRACES, DK GY, POORLY DEV, BEDDING, MOD HARD, REC: 2.00 M		
37.90	39.28			1.38	100	SS SLTST INTERBEDDED	80% SS, 20% SLTST, F GR - MED GR, MOD HARD, REC: 1.38 M, GY - DK GY,	38.00	73
							SLTST INTERBEDS ARE NEARLY PERPENDICULAR, TCA IN LOWER 3/4 OF CORE	38.60	86
39.28	40.30			1.02	118	SLST SS INTERBEDDED	20% SS, DK GY, MOD HARD SLTST SHOWS NO BEDDING, REC: 1.20 M	39.10	81
40.30	40.50			.20	100	COAL	BKN, DIRTY, REC: 0.20 M	40.50	76
40.50	43.00			2.50	90	SLST	DK GY, COAL TRACES, VERY THINLY LAMIN, MOD HARD, STICK CORE, REC: 2.25 M	41.60	84
43.00	43.45			.45	100	IRST	REC: 0.45 M, GY, HARD	43.30	84

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-305
 PROJECT TELKWA
 LOG DATE 83/06/06
 EXAMINED BY J. EISENMAN

TOP	BASE	SEAM	SAM NUM	THIK	% REC MAJ	MINOR	DETAIL	DEPTH	C.B.A.
43.45	46.98			3.53	100	SLST SS	DK GY, MOD HARD, STICK CORE, COAL TRACES, THINLY LAMIN WITH SS LAYERS, REC: 3.53 M	45.30	78
								46.50	77
46.98	47.09	2	498	.11	0	COAL	DULL, SOME BRT BANDING, DIRTY, REC: 0.11 M		
47.09	48.64	2	498	1.55	0	COAL	SEMI-LUST, WITH BRT AND DULL BANDING, GENERALLY CLEAN, HARD, SOME MINOR CALCITE ALONG FRACT. REC: 1.20 M, NO H.W. CONTACT		
48.64	48.69		498	.05	0	BENT	GY, COALY, REC: 0.05 M		
48.69	50.15	2	498	1.46	90	COAL	LUST, CLEAN, VITRAIN BANDING, STICK CORE, HARD, REC: 1.30 M	49.00	80
50.15	50.22		498	.07	0	BENT	GY, COALY, REC: 0.07 M		
50.22	52.26	2	498	2.04	0	COAL	STICK CORE, AS COAL ABOVE, REC: 2.04 M, F.W. CONTACT: VISUAL: POOR PHYSICAL: FAIR	51.00	83
52.26	53.79			1.53	72	SLST	DK GY, STICK VERY THINLY LAMIN, MOD HARD, 3 CM IRONSTONE BAND AT 53.50 M, COAL TRACES, REC: 1.10 M, NUMEROUS THIN F GR SS BANDS THROUGHOUT - GY	53.60	73
53.79	54.03			.24	0	IRST	GY, UPPER 7 CM MAINLY CALCITE		

CORE DESCRIPTION

03/07/84

HOLE ID TWB3D-306
 PROJECT TELKWA
 LOG DATE 83/06/08
 EXAMINED BY J. EISENMAN

TOP	BASE	SEAM	SAM NUM	THIK	REC	MAJ	MINOR	DETAIL	DEPTH	C.B.A.
.00	5.00			5.00	0	08				
5.00	8.23			3.23	17	SS		F GR - MED GR, GY, BADLY BKN, REC: 0.56 M, MIXED WITH CLAY, MOD STRONG		
8.23	9.60			1.37	73	SLST		DK GY, THIN F GR SS LAYERS, MAINLY WEATHERED TO SOFT CLAY, REC: 1.00 M	8.40	22
9.60	10.56	8	499	.96	29	COAL		BKN, SEMI-LUST WITH THIN BRT BANDING, CLEAN, REC: 0.28 M	9.70	49
10.56	16.15			5.59	49	SLST		BADLY BKN, SOME SOFT WEATHERED BANDS, COAL TRACES, DK GY, MOD HARD, REC: 2.75 M, SOME THIN SS BANDS	13.10	67
16.15	16.50			.35	100	SS		MED GR, MOD HARD, GY, BKN, REC: 0.35 M, COARSE GR AT BOTTOM	16.30	74
16.50	22.64			6.14	47	SLST SS INTERBEDDED		25% IS SS, MOD HARD, THINLY BEDDED, GY, REC: 4.6 M, COAL TRACES	18.80	71
									22.90	71
									24.00	73
22.64	23.17	7		.53	0	COAL				
23.17	23.76			.59	0	MDST				
23.76	23.87	7		.11	0	COAL				

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-306
 PROJECT TELKWA
 LOG DATE 83/06/08
 EXAMINED BY J. EISENMAN

TOP	BASE SEAM	SAM NUM	THIK	% REC MAJ	MINOR	DETAIL	DEPTH	C.B.A.
23.87	23.96		.09	0	MDST			
23.96	24.06		.10	0	COAL			
24.06	24.78		.72	0	MDST			
24.78	26.08		1.30	0	COAL			
26.08	26.46		.38	0	MDST			
26.46	27.02	500	.56	82	COAL	BKN, SEMI-LUSTEROUS, CLEAN. UNCERTAIN AS TO ACTUAL DEPTH DUE TO LOST CORE ABOVE, REC: 0.46 M, NO F.W. OR H.W. CONTACTS		
27.02	28.18		1.16	0	SLST AND SS INTERBEDDED	SOFT TO MOD HARD, LAMINATED, REC: 2.05 M	27.90	75
28.18	29.12		.94	100	SS	MED GV, BKN STICK, MOD HARD - HARD, COAL TRACES GREENISH GRAY, 2 THIN < 5 CM IRONSTONE BANDS, THINLY LAMINATED, BEDDING IN LOWER 10 CM IS CONVALUTED, REC: 0.94 M	28.80	73
29.12	29.25		.13	100	COAL	BKN, BRT, CLEAN, H.W. SEPARATION IS VISUAL: VERY GOOD, PHYSICAL: POOR		

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-306

PROJECT TELKWA

LOG DATE 83/06/08

EXAMINED BY J. EISENMAN

TOP	BASE	SEAM	SAM NUM	THIK	% REC MAJ	MINOR	DETAIL	DEPTH	C.B.A.
29.12	29.25			.13	100	COAL	REC: 0.13M		
29.25	29.46			.21	100	MDST	DK GY - BLK, CARB, REC: 0.21 M, L POLISHED FRAC,		
29.46	29.58			.12	92	COAL	REC: 0.11 M, BRT, CLEAN		
29.58	30.42			.84	96	MDST SILTY, CARB	REC: 0.81 M, DK GY, THINLY BEDDED	30.30	64
30.42	30.62	6		.20	65	COAL	HARD, SEMI-LUST, CLEAN, REC: 13 CM	30.50	74
30.62	31.37			.75	97	SLST CARBONACEOUS	DK GY, POORLY DEV BEDDING, THINLY LAMIN, REC: 0.73 M, MOD HARD	31.00	74
31.37	31.40			.03	100	CLAY	VERY SOFT		
31.40	32.21	6	501	.81	75	COAL	REC: 0.61 M, BKN, SEMI-LUST, SOME BRT BANDING, MAINLY CLEAN, NO H.W. OR F.W. CONTACT	32.10	75
32.21	32.22			.01	100	BENT	SOFT TAN, SOAPY FEEL		
32.22	33.28			1.06	87	SLST COALY	UPPER 1/2 SANDY, DK GY - BLK, POORLY DEV BEDDING, REC: 0.94 M, 5 MM PYRITE BAND 32 CM FROM TOP	32.40	75
33.28	34.44	6	502	1.16	72	COAL	LUST, BANDED, BKN STICK,	33.40	74

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-306
 PROJECT TELKWA
 LOG DATE 83/06/08
 EXAMINED BY J. EISENMAN

TOP	BASE SEAM	SAM NUM	THIK	% REC MAJ MINOR	DETAIL	DEPTH	C.B.A.
					PYRITE TRACES, REC: 0.84 M, NO CLEAR CONTACTS		
34.44	38.63		4.19	84 MDST SILTY, SS	DK GY, COAL TRACES, LAMINATED, SOFT - MOD HARD.	34.70	71
					LAYERED WITH THIN F GR SS BANDS, REC: 3.5 M	35.50	70
						36.30	65
						37.10	61
						38.10	65
38.63	39.24	6	.61	13 COAL	BRT, REC: 0.08 M		
39.24	39.85		.61	87 MDST	BKN, SOFT - MOD HARD, REC: 0.53 M, COAL TRACES		
39.85	41.15	6	503	1.30 61 COAL	DULL, DIRTY, REC: 0.11 M, NO H.W. CONTACT	40.60	67
					BRT BANDED, CLEAN, BKN, 5 CM DIRTY/DULL BAND 38 CM FROM BOTTOM, REC: 0.68 M		
41.15	46.35		5.20	100 SS SLTST INTERBEDDED	SS IS F GR, MOTTLED GY AND DK GY, CORE IS MOD HARD - HARD, BKN,	51.10	78
					COAL TRACES, BEDDING IS MAINLY CONVALUTED, SOME DEPOSITIONAL SLUMPING, REC: 5.26 M, 50% SS	51.80	74
46.35	46.49		.14	100 SS	MED - COARSE GR, GY, REC: 0.14 M, HARD		

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-306
 PROJECT TELKWA
 LOG DATE 83/06/08
 EXAMINED BY J. EISENMAN

TOP	BASE	SEAM	SAM NUM	THIK	% REC	MAJ	MINOR	DETAIL	DEPTH	C.B.A.
46.49	49.85			3.36	100	SS	AND SLTST INTERBEDDED	SAME AS CORE 41.15 - 46.35 M, REC: 3.30 M		
49.85	52.10			2.25	93	SLST		DK GY, MOD HARD, LAMINATED CLAY BAND FROM 51.40 - 51.50 M VERY SOFT, REC: 2.10 M	52.50	79
52.10	58.00			5.90	0	SS	WITH THIN DK GY SLTST INT	GY, MOD HARD, REC: 6.3 M, 80% SS, COAL TRACES, POORLY DEV BEDDING WITHIN SS	56.90	74
58.00	58.46	3	504	.46	91	COAL		VERY HARD COMPETANT CORE, THINLY BANDED, SEMI-LUST, MAINLY CLEAN, REC: 0.42 M, 2 CM VITRAIN BAND 3 CM FROM BOTTOM,	58.30	75
								H.W. CONTACT: VISUAL: VERY GOOD PHYSICAL: GOOD,		
58.46	58.84			.38	92	SLST		DK GY, COAL TRACES, BKN, MOD HARD, REC: 0.35 M, LOWER 3 CM COALY, THINLY LAMIN, POORLY DEV	58.60	73
58.84	59.34	3	505	.50	98	COAL		BKN STICK, MAINLY A SEMI-LUST CLEAN COAL, SOME THIN BRIGHT AND DULL BANDING REC: 0.50 M, H.W. CONTACT: VISUAL: VERY GOOD PHYSICAL: GOODND DULL BANDING	59.20	73
59.34	59.36		505	.02	0	PYRT		NARROW BAND WITHIN COAL THINS TO THICKNESS ON ONE SIDE OF		
59.36	59.65	3	505	.29	0	COAL		SEMI-LUST, CLEAN, THIN BRT AND DULL BANDING, REC: 0.29 M		

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-306
 PROJECT TELKWA
 LOG DATE 83/06/08
 EXAMINED BY J. EISENMAN

TOP	BASE	SEAM	SAM NUM	THIK	% REC MAJ MINOR	DETAIL	DEPTH	C.R.A.
59.65	59.68	3	505	.03	0 COAL	REC: 0.03 M, BRT, HARD COAL, VITRAIN, BREAKS EASILY ALONG CLEAVAGE		
59.68	60.05	3	505	.37	0 COAL	REC: 0.34 M, SEMI-LUST, CLEAN, NARROW BRT AND DULL BANDING, F.W. CONTACT: VISUAL: FAIR PHYSICAL: FAIR		
60.05	61.12			1.07	0 SLST	CARBONACEOUS, DK GY, UPPER 5 CM COALY, POORLY DEV BEDDING, REC: 0.98 M	60.30	78
61.12	61.40	3	506	.28	100 COAL	HARD, STICK CORE, CLEAN, UPPER 5 CM PYRITIC, THIN BRT BANDING, REC: 0.30 M H.W. CONTACT: VISUAL: GOOD PHYSICAL: FAIR F.W. CONTACT: VISUAL: GOOD PHYSICAL: GOOD	61.30	76
61.40	62.31			.91	0 SLST	DK GY, CARB, REC: 0.91 M		
62.31	62.57			.26	0 COAL	REC: 0.26 M, DIRTY, HIGH ASH COAL	62.50	74
62.57	66.86			4.29	0 SLST	BKN, DK GY, MOD HARD, CARB, POORLY DEV BEDDING, REC: 3.9 M		
66.86	67.46		507	.60	83 COAL	REC: 0.50 M, MAINLY A DULL DIRTY COAL, SOME THIN BRT BANDING, BKN, NO CLEAR CONTACTS, PYRITIC THROUGHOUT		
67.46	69.65			2.19	100 SLST	CARB, DK GY, 18 CM IRONSTONE BAND, BKN SMALL SS LENSES, MOD	69.30	73

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-306
 PROJECT TELKWA
 LOG DATE 83/06/08
 EXAMINED BY J. EISENMAN

TOP	BASE	SEAM	SAM NUM	THIK	% REC MAJ MINOR	DETAIL	DEPTH	C.B.A.
						HARD, REC: 2.19 M		
69.65	72.59	2	508	2.94	48 COAL	MAINLY SEMI-LUSTEROUS WITH NUMEROUS THIN BRT BANDS, CLEAN COAL EXCEPT FOR A 15 CM DULL/DIRTY BAND 48 CM FROM TOP OF COAL, NO CLEAR CONTACTS AT F.W. OR H.W. REC: 1.40 M	69.80	76
72.59	82.40			9.81	99 SLST AND SS INTERBEDDED	60% SLTST, RIPPLE BEDDING, MINOR DEPOSITIONAL SLUMPING, 10 CM IRONSTONE BAND AT 75.9 M, BIO-TURBATED, COAL TRACES, MINOR CALCATE INFILL, BKN, 8 IRONSTONE BANDS IN LOWER 6 M ALL < 12 CM, REC: 9.7 M	72.70	82
							74.00	76
							75.00	78
							76.20	78
							76.90	77
							81.30	76
82.40	87.48			5.08	98 SLST	DK GY, BREAKS ALONG BEDDING EASILY, 3 IRONSTONE BANDS EACH < 2 CM, REC: 5.0 M	82.90	78

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-307
 PROJECT TELKWA
 LOG DATE 83/06/10
 EXAMINED BY J. EISENMAN

TOP	BASE	SEAM	SAM NUM	THIK	% REC MAJ MINOR	DETAIL	DEPTH	C.B.A.
.00	6.38			6.38	0 0B			
6.38	17.59			11.21	94 SLST	MICACEOUS,	9.00	78
						DK GY, BKN, R1, OCCASIONAL COAL TRACE, POORLY DEV BEDDING, REC: 10.5 M, 15 CM IRONSTONE BAND AT 14.2 M, SOME SOFT WEATHERED SECTIONS	10.50	78
17.59	21.39			3.80	0 SS1	MED GREEN COLOR, R2, OCCASIONAL PYRITE CRYSTALS, BKN STICK, COAL TRACES, 1 CM COAL BAND, ARGILLACEOUS, LOWER 1.5 M IS HARDER AND MORE COMPETANT, REC: 3.8 M, GRADUALLY BECOMES GRAY AT BOTTOM	18.40	73
						1 CM COAL BAND, ARGILLACEOUS, LOWER 1.5 M IS HARDER AND MORE COMPETANT, REC: 3.8 M, GRADUALLY BECOMES GRAY AT BOTTOM	21.50	78
21.39	22.17			.78	0 SS2	GY, COAL TRACES, RIPPLE BEDDING, LAMIN, ARGILLACEOUS, REC: 1.3 M, SEVERAL SLTST CLASTS	22.00	76
						GY, COAL TRACES, RIPPLE BEDDING, LAMIN, ARGILLACEOUS, REC: 1.3 M, SEVERAL SLTST CLASTS		
22.17	23.09	10	509	.92	71 COAL	SEMI-LUST, THIN BRT BANDS, PYRITE FLECKS, CLEAN, BKN, LOWER 3 CM DIRTY, REC: 0.65 M, NO CLEAR CONTACTS ON F.W., H.W.	22.00	76
						SEMI-LUST, THIN BRT BANDS, PYRITE FLECKS, CLEAN, BKN, LOWER 3 CM DIRTY, REC: 0.65 M, NO CLEAR CONTACTS ON F.W., H.W.		
23.09	30.33			7.24	93 SS2	GY, THINLY LAMIN, SEVERAL THIN < 5 CM IRONSTONE BANDS, CARBONACEOUS SLTST SWIRLS MINOR X-BEDDING, BKN, MOD HARD, REC: 6.7, R2	25.00	77
						GY, THINLY LAMIN, SEVERAL THIN < 5 CM IRONSTONE BANDS, CARBONACEOUS SLTST SWIRLS MINOR X-BEDDING, BKN, MOD HARD, REC: 6.7, R2	30.50	73
30.33	34.09			3.76	93 SLST	LAMIN, ALTERNATING GY AND DK	33.50	78

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TOP	BASE	SEAM	SAM NUM	THIK	% REC MAJ	MINOR	DETAIL	DEPTH	C.B.A.
							GY BANDS, COAL TRACES, LOWER 10 CM COALY, REC: 3.5 M, R2		
34.09	35.18	9	510	1.09	58	COAL	BKN, THINLY BANDED, MAINLY CLEAN SOME CONCHOIDAL FRAC, REC: 0.63 M, LOWER 4 CM CONTAIN NUMEROUS PYRITE FLAKES/WISPS, NO F.W. H.W. CONTACTS	34.50	71
35.18	35.66			.48	100	SLST CARBONACEOUS	RO, DK GY, BKN, REC: 0.48 M		
35.66	37.02			1.36	101	SLST CARBONACEOUS	BKN, R1, DK GY, VERY THINLY LAMIN, LEAF AND BRANCH IMPRINTS, LOWER 6 CM VERY COALY, REC: 1.38 M	37.10	72
37.02	37.03	8	511	.01	78	COAL	DULL, DIRTY, REC: 0.01 M, H.W. CONTACT IS VISUALLY AND PHYSICALLY POOR		
37.03	39.46	8	511	2.43	78	COAL	MAINLY A SEMI-LUSTEROUS COAL WITH THIN SOME VERY BRT CLEAN LAYERS WITH CUBIC FRACTURE, BKN, REC: 0.50 M, MINOR PYRITE FLECKS	38.90	73
							METALLIC APPEARANCE, NO BANDING, BKN, REC: 0.15 M		
							THINLY BANDED, MAINLY CLEAN, BKN, REC: 0.95 M		
							DULL, DIRTY REC: 0.07 M, HARD		
							REC: 0.22 M, THINLY BANDED, CLEAN, NO F.W. CONTACT		
39.46	42.90			3.44	100	SS1 SLST INTERBEDDED	R2, 2 4 CM IRONSTONE BANDS, GY	40.00	71

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TOP	BASE SEAM	SAM NUM	THIK	% REC MAJ	MINOR	DETAIL	DEPTH	C.B.A.
						- DK GY, MINOR COAL TRACES, REC: 3.44 M	42.60	73
42.90	44.03		1.13	100	SLST SS.1, CARBONACEOUS	THIN SS INTERVALS, DK GY, REC: 1.13 M, BKN, THINLY BEDDED, R2	44.00	76
44.03	44.33		.30	100	SS1	GY, STICK, R3, REC: 0.30 M, POORLY DEV BEDDING, COAL TRACES	44.50	75
44.33	46.68		2.35	100	SLST SLICKENSIDED AT 44.78 M	DK GY, R2 LAMIN - POORLY DEV, BREAKS EASILY ALONG BEDDING, REC: 2.35 M MICACEOUS	47.20	72
46.68	47.65		.97	117	SS2 SLST	R2 GY, SEVERAL SLST CLASTS, COAL TRACES, BKN STICK, REC: 1.14 M	48.70	65
47.65	51.50		3.85	100	SS1 SLST	INTERBEDDED, ALTERNATING LIGHT AND DK GY, MICACEOUS, MINOR COAL TRACES, BKN, R2, REC: 3.85 M	49.20	64
							50.50	68
							51.30	71
51.50	54.54		3.04	105	SLST CARBONACEOUS	DK GY, R1, SANDY, BKN, BEDDING IS DEFINED BY THIN COAL LAYERS, REC: 3.20 M, LOWER 8 CM COALY, HARD WITH PYRITE BLEBS	53.80	69
54.54	55.66	7	512	1.12	64 COAL	H.W. CONTACT; VISUAL: POOR PHYSICAL: FAIR, METALLIC APPEARANCE WITH THIN BRT BANDS, BKN, CLEAN, REC: 0.71 M, NO F.W. CONTACT		

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TOP	BASE	SEAM	SAM NUM	THIK	% REC MAJ MINOR	DETAIL	DEPTH	C.B.A.
55.66	57.67			2.01	95 STST SS1	INTERBEDDED, 20% SS, MAINLY DK GY, R2, 2 IRONSTONE BANDS R2-R3, 5 CM AND 2 CM THICK, THICKLY LAMINATED, COAL TRACES, REC: 1.90 M	56.60	76
57.67	58.47			.80	100 SS2 SLST	GY TOP SLIGHTLY GREEN, R2, THIN SLST BANDS, LOWER 30 CM THINLY LAMIN, ABOVE IS POORLY DEV BEDDING, REC: 0.80 M	58.10	84
58.47	58.77	6	513	.30	33 COAL	BADLY BKN, DULL BANDED, FAIRLY DIRTY, REC: 0.10 M		
58.77	59.11			.34	0 SLST CARBONACEOUS	THINLY LAMIN, DK GY, R1, RIPPLED, REC: 0.24 M, SLICKENSIDED AT TOP	58.40	74
59.11	59.41	6	514	.30	47 COAL	SLICKENSIDED AT TOP, PYRITE FLECKS, BKN, BRT, CLEAN, REC: 0.14 M, NO CONTACTS		
59.41	59.76			.35	100 SLST CARBONACEOUS	R1, DK GY, POORLY DEV BEDDING, REC: 0.35 M		
59.76	60.06	6	515	.30	46 COAL	BADLY BKN, DULL HARD, PYRITE FLECKS, REC: 0.10 M, VERY LITTLE BANDING		
60.06	60.09		515	.03	0 PYRT	BAND OF PYRITE CRYSTALS, BKN, COALY		
60.09	60.52	6	515	.43	0 COAL	THINLY BANDED, BKN, CLEAN, REC: 0.22 M, NO CLEAR CONTACTS	60.20	76
60.52	60.56			.04	100 CLAY COALY	BROWN, R1, SOAPY FEEL		

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TOP	BASE	SEAM	SAM NUM	THIK	% REC MAJ MINOR	DETAIL	DEPTH	C.B.A.
60.56	61.01			.45	100 STST	DK GY, COALY, REC: 0.45 M. BKN, POORLY DEV BEDDING, PYRITE BLEBS IN LOWER 1/2		
61.01	61.13	6	516	.12	36 COAL	REC: 0.03 M, BRT BANDED		
61.13	61.16	6	516	.03	0 CLAY	DK GY, CARB, S2 REC: 0.02 M		
61.16	62.52	6	516	1.36	36 COAL	BRT BANDED, BKN, SOME DIRTY COAL BUT MAINLY CLEAN, REC: 0.49 M, NO CONTACTS		
62.52	73.31			10.79	100 SLST CARBONACEOUS, POLISHED	DK GY, BKN, REC: 10.8 M, POLISHED FRACTURES AT 62.75 M, 63.2 M - 63.8 M, 64.3 M, R2, IN SOME SECTIONS IS THICKLY LAMINATED BY THIN SS 1 BANDS. IRONSTONE BAND FROM 67.34 - 67.49 M R3	63.00	77
							64.40	78
							66.10	76
							67.30	74
							70.40	76
							71.50	76
							72.90	76
73.31	76.13	5	517	2.82	65 COAL	MAINLY A DULL TO SEMI-LUSTERIOUS COAL WITH NUMEROUS THIN BRT COAL BANDS.	74.70	75

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TOP	BASE SEAM	SAM NUM	THIK	% REC MAJ	MINDR	DETAIL	DEPTH	C.B.A.
73.31	76.13 5	517	2.82	65 COAL		CLEAN COAL, BKN, REC: 0.55 M		
						DULL, DIRTY, HARDER THAN SURROUNDING COAL, REC: 0.04 M		
						MAINLY A SEMI-LUSTEROUS COAL, CLEAN, BANDED, CORE BREAKS FAIRLY EASILY, REC: 0.85 M		
						HARD CLEAN, DIFFICULT TO BREAK, VERY LITTLE BANDING, REC: 0.16 M REC: 0.03 M, BANDED, CLEAN		
						BLK, R2, REC: 0.06 M		
						BRT BANDED, REC: 0.13 M, CLEAN, NO F.W. CONTACT		
76.13	76.36		.23	100 SS1 CARBONACEOUS		DK GY, ARGILLACEOUS, STICK, R3, REC: 0.23 M, POORLY DEV BEDDING		
76.36	78.73		2.37	0 STST SLICKENSIDED AT 78.70 M		DK GY, POLISHED FRAC, R1, BKN, CORE BREAKS VERY EASILY, REC: 1.70 M		
78.73	80.36 4	518	1.63	50 COAL SLICKENSIDED		SEMI-LUSTEROUS, BANDED, CLEAN, BKN, 1 CM PYRITIC BAND 40 CM FROM TOP, REC: 0.82 M, NO CLEAR CONTACTS	80.00	75
80.36	81.41		1.05	100 STST SLICKENSIDED		DK GY, BKN, POORLY DEV BEDDING, REC: 1.05 M, R2		
81.41	86.07		4.66	101 SS1 SLST				

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TOP	BASE	SEAM	SAM NUM	THIK	% REC MAJ	MINOR	DETAIL	DEPTH	C.B.A.
81.41	86.07			4.66	101	SS1 SLST	MAINLY CONVOLUTED, MOTTLED GY AND DK GY, R1-R2, REC: 4.6 M		
86.07	86.82	3	519	.75	56	COAL	BRT BANDED, BKN, REC: 0.42 M, CALCITE ALONG FRACTURES, NO CONTACTS		
86.82	87.36			.54	100	STST POLISHED SURFACES	DK GY, BKN, R2, REC: 0.54 M		
87.36	90.14	3	520	2.78	11	COAL	PULVERIZED WET MUSH, RECOVERED	82.50	74
90.14	90.67			.53	85	STST	COAL TRACES, BKN, LOWER 10 CM COALY, REC: 0.45 M, POORLY DEV BEDDING	86.80	77
90.67	91.31		521	.64	73	COAL	DULL, VERY DIRTY, BADLY BKN, REC: 0.47 M, NO CONTACTS		
91.31	92.61			1.30	96	MDST	DK GY, R1, POORLY DEV BEDDING, REC: 1.25 M, COAL TRACES		
92.61	93.16	2	522	.55	55	COAL	DULL TO METALLIC IN APPEARANCE, BANDED, CLEAN, REC: 0.45 M, NO CONTACTS		
93.16	93.28		522	.12	55	STST	DK GY, BKN, REC: 0.12 M	93.20	73
93.28	94.35	2	522	1.07	0	COAL	BKN, BRT BANDED, CLEAN, REC: 0.39 M, NO CONTACTS	94.10	42
94.35	94.39			.04	100	STST VERY COALY	BLK, R2, REC: 0.04 M		
94.39	94.78			.39	100	STST POLISHED	R1-R2, HIGHLY POLISHED AT BOTOM, REC: 0.39 M	94.70	66

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TOP	BASE	SEAM	SAM NUM	THIK	% REC	MAJ	MINOR	DETAIL	DEPTH	C.B.A.
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94.78 94.88 2

.10 100 COAL

REC: 0.10 M, BRT BANDED CLEAN
H.W., SEPARATION IS VISUALLY
AND
PHYSICALLY POOR

94.88 111.56

16.68 100 STST SS1

R1-R2, DK GY, THIN SS1
INTERVALS, MICACEOUS, EXCEPT
FOR OCCASIONAL
THIN SS LAYERS BEDDING IS
POORLY DEV, REC: 16.7 M, SOME
STICK CORE BUT
GENERALLY BKN

100.00

74

104.10

69

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TOP	BASE	SEAM	SAM NUM	THIK	% REC MAJ	MINOR	DETAIL	DEPTH	C.B.A.
.00	8.49			8.49	0	OB			
8.49	8.53			.04	100	SS2	FE STAINING		
8.53	11.28			2.75	0	LC			
11.28	13.54			2.26	58	SS1	GREENISH GR, BKN STICT EXCEPT FOR TOP AND BOTTOM OF RUN-CRUSHED, MASSIVE BEDDING, REC: 1.30 M, R2		
13.54	14.37			.83	100	STST	GY, R1, SEVERAL PYRITE BLEBS < 5 MM, POORLY DEVELOPED CONVOLUTED BEDDING, MIRACEOUS, REC: 0.83 M		
14.37	15.24	10	523	.87	86	COAL	MAINLY SEMI-LUSTEROUS WITH BRIGHT VITRAIN BANDING UP TO 1 CM THICK, PYRITE FLAKES ALONG VITRAIN BANDING CLEAVAGE, SOME CONCHOIDAL CLEAVAGE IN VITRAIN, CLEAN COAL, A FEW VERY SMALL PYRITE BLEBS IN THE SEMI-LUSTEROUS COAL, REC: 0.75 M, NO CONTACTS WITH F.W. OR H.W.	14.50	76
								15.00	77
15.24	17.20			1.96	66	STST SS2	INTERBEDDED, DEPOSITIONAL SLUMPING, CORE APPEARS REWORKED, SS IS GREENISH GRAY IN COLOR, MINOR BIO-TURBATION, STST IS DK GY, REC: 1.29 M	16.00	76
17.20	20.07			2.87	83	SS2 STST	SS IS MASSIVELY BEDDED WITH	18.10	72

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TOP	BASE	SEAM	SAM NUM	THIK	% REC MAJ MINOR	DETAIL	DEPTH	C.B.A.
						THIN DK GRAY SLST BANDS, SS IS GREENISH-GRAY IN COLOR, REC: 2.38 M, 1 2 CM IRONSTONE BAND	20.30	72
20.07	20.97			.90	100 STST SS1	INTERBEDDED, THICKLY LAMIN, SS IS GRAY, STST DK GY, COAL TRACES, R1. REC: 0.90 M, BREAKS EASILY ALONG BEDDING	20.70 20.90	75 72
20.97	21.43			.46	100 STST SLICKENSIDED	DARK GRAY - BLACK, R1, BROKEN CORE, CRUMBLES EASILY, COAL TRACES. THICKLY LAMINATED BUT POORLY DEVELOPED, REC: 0.46 M		
21.43	22.71	9	524	1.28	96 COAL 2 SLICKENSIDED FRAC	REC: 1.23 M, MAINLY A LUSTERIOUS COAL WITH NUMEROUS VITRAIN BANDS - THICKEST 1 CM, OCCASIONAL THIN DULL/DIRTY LAYERS, PYRITE FLAKES ALONG VITRAIN BAND CLEAVAGE, 1 CM COALY SLST BAND AT 22.63 M, NO CONTACTS WITH H.W. OR F.W., CORE BROKEN IS PIECES ABOUT 7 CM LONG, HARD, 2	21.45 21.90	75 73
22.71	24.67			1.96	96 STST CARBONACEOUS	DARK GRAY, BEDDED WITH VERY THIN SS1 LAYERS, BEDDING IS POORLY DEVELOPED, R1, BKN, REC: 1.89 M		
24.67	24.77	8	525	.10	96 COAL	MAINLY SEMI-LUST WITH THIN BRT BANDS, HIGH PYRITE CONTENT - LENSES, MAINLY SEMI-LUST WITH THIN BRT BANDS, HIGH PYRITE CONTENT - LENSES.	24.70	73
24.77	24.80	8	525	.03	96 STST	BKN PIECE OF CORE, TOP OF CORE		

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TOP	BASE SEAM	SAM NUM	THIK	% REC MAJ	MINOR	DETAIL	DEPTH	C.B.A.
						RUN - MAY NOT BELONG AT THIS DEPTH		
24.80	26.03 8	525	1.23	96	COAL	MAINLY A SEMI-LUSTEROUS METALLIC APPEARANCE COAL WITH THIN BRT, VITRAIN BANDS, CLEAN COAL, REC: 1.21 M, SOME PYRITE ALONG VITRAIN CLEAVAGE, BKN STICK	25.50	76
26.03	26.05	525	.02	0	STST VERY COALY		26.30	77
26.05	27.24 8	525	1.19	96	COAL	MAINLY A SEMI-LUSTEROUS METALLIC COAL WITH SOME THIN VITRAIN BANDS, CLEAN, REC: 1.11 M, BKN STICK, NO F.W. CONTACT	26.30	77
							26.80	74
							27.20	72
27.24	30.54		3.30	100	SS1 STST INTERBEDDED	THICKLY LAMIN, GRAY AND BLACK ALTERNATING, R2, CALCITE INFILLED FRAC, REC: 3.30 M	28.90	74
							30.30	75
30.54	36.20		5.66	83	STST SS1	THINLY BEDDED WITH SS1, 90% STST, R1-R2, SEVERAL IRONSTONE BANDS 1-4 CM THICK, 1.4 CM BAND HEAVILY CALCIFIED, 2.1 CM SS2 BANDS - GRAY, REC: 4.77 M	30.70	76
							33.20	72
36.20	41.89		5.69	100	SS1 STST	INTERBEDDED, ALTERNATING GRAY AND DK GRAY, R2, 10 CM SS2 BAND AT 38.6 M, SOME CALCITE INFILLED FRAC, COAL TRACES MAINLY THINLY BEDDED,	38.00	73
							40.80	73

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TOP	BASE	SEAM	SAM NUM	THIK	REC	MAJ	MINOR	DETAIL	DEPTH	C.B.A.
36.20	41.89			5.69	100	SS1	STST	RIPPLED NON-PARALLEL BEDDING-X-BEDDING, REC: 5.69 M		
41.89	46.92			5.03	113	STST	SLICKENSIDED AT 50.1 M	DARK GRAY, THINLY LAMINATED BUT POORLY DEV, R2, SOME STICK CORE, REC: 5.70 M, COAL TRACES, 1 0.09 M IRONSTONE BAND AT 43.2 M, 1 0.13 M IRONSTONE BAND AT 43.8 M - R4	42.50	74
46.92	48.42	7	526	1.50	80	COAL		MAINLY A DULL TO METALLIC APPEARING COAL WITH NUMEROUS THIN VITRAIN BANDS, CLEAN, CORE IS BROKEN INTO PIECES AVERAGING 0.08 M. UPPER 7 CM VERY DIRTY CRUSHED 8 CM THICK UNIT OF VITRAIN BANDS VERY CLEAN ABOUT 48 CM FROM TOP OF COAL CORE, SEAM IS MAINLY HOMOGENOUS BUT IS SLIGHTLY DIRTIER IN UPPER THIRD, REC: 1.20 M, NO H.W. CONTACT, F.W.: VISUAL: POOR PHYSICAL: GOOD	47.10	80
48.42	50.91			2.49	0	STST	FAULT, SS1, CARBONACEOUS	THINLY LAMIN WITH SS1 LAYERS, 80% STST, R1, DK GY - BLACK, REC: 2.25 M, SOME PARALLEL TCA BEDDING IN A BROKEN HIGHLY SLICKENSIDED ZONE FROM 49.2 M - 50.8 M. MINOR DEPOSITOINAL SLUMPING	48.60	72
									50.50	73
									50.80	66
									51.00	79
50.91	52.32	7	527	1.41	77	COAL		MAINLY A SEMI-LUSTEROUS COAL WITH THIN VITRAIN BANDS, CLEAN, BKN STICK, NO CLEAR H.W. CONTACT, F.W.	50.95	72
									51.00	73

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TOP	BASE SEAM	SAM NUM	THIK	% REC	MAJ	MINOR	DETAIL	DEPTH	C.B.A.
							CONTACT IS VISUAL: FAIR PHYSICAL: GOOD		
							SOME PYRITE FLAKES ALONG VITRAIN CLEAVAGE, 1 - 8 CM DULL DIRTY CHARCOAL - LIKE COAL BAND 30 CM FROM TOP, REC: 1.08 M	52.00	80
52.32	52.34		.02	100	BENT		DARK TAN, R0,		
52.34	57.82		5.48	102	STST	CARBONACEOUS, POLISHED	DK GY - BLK, R1 - R2, LAMINATED, 1 CM WIDE PYRITE BAND 12 CM FROM TOP, THIN SS1 LAYERS TOWARD BOTTOM, SOME BEDDING APPEARS REWORKED, REC: 5.6 M,	55.60	66
							ONE FRACTURE WITH POLISHED SURFACE	56.40	78
								56.80	78
57.82	59.02		1.20	100	SS2		GREENISH GR. LAMINATED WITH THIN COALY STST LAYERS, R2, REC: 1.20 M	58.80	72
59.02	59.37	6	.35	63	COAL		MAINLY A CLEAN LUSTEROUS COAL WITH THIN BRT VITRAIN BANDS, LOWER 3 CM DULL/DIRTY, REC: 0.22 M, NO CONTACTS	59.20	74
59.37	59.92		.55	65	STST		DK GY, R1, CRUMBLES INTO SMALL PIECES, REC: 0.36 M		
59.92	61.20	6	1.28	65	COAL		MAINLY A DULL TO SEMI-LUSTEROUS COAL WITH NUMEROUS THIN VITRAIN BANDS, BKN STICK, REC: 0.71 M, 1 0.5 CM PYRITE BAND 5 CM FROM TOP, NO CONTACT	60.20	72
							WITH H.W. F.W: VISUAL: GOOD PHYSICAL: FAIR	61.20	69

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TOP	BASE SEAM	SAM NUM	THIK	% REC MAJ MINOR	DETAIL	DEPTH	C.R.A.
61.20	61.26	529	.06	0 BENT CARBONACEOUS	TAN, R1		
61.26	62.84	6	529	1.58 72 COAL	MIXED DULL AND VITRAIN - THINLY BANDED, MAINLY A CLEAN COAL, BKN STICK, REC: 1.12 M, NO F.W. CONTACT, H.W. CONTACT: VISUAL: GOOD PHYSICAL: FAIR	61.40	75
62.84	72.87		10.03	0 STST SS1, SLICKENSIDED	DK GY, BADLY BROKEN, SEVERAL POLISHED FRACTURES, THICKLY LAMIN, THIN SS1 BANDING, MAINLY THICKLY LAMIN, SOME RIPPLED BEDDING, R1 - R2 REC: 7.2 M, 1-13 CM IRONSTONE BAND AT 66.6 R4, LOWER 10 CM COALY	63.10	71
						63.50	74
						65.60	71
						66.50	71
						66.70	60
						68.90	64
72.87	74.17	5	530	1.30 0 COAL 3 SLICKENSIDED FRAC	MAINLY SEMI-LUST. BANDED, CLEAN, REC: 0.41 M, NO H.W. CONTACT	69.30	55
						69.80	55
						71.70	37
						72.00	35
						73.80	48
74.17	74.22	530	.05	0 STST SLICKENSIDED	VERY COALY, DK GY - BLACK, REC: 0.05 M		

CORE DESCRIPTION

03/07/84

HOLE ID TWB3D-30B
 PROJECT TELKWA
 LOG DATE 83/06/13
 EXAMINED BY J. EISENMAN

TOP	BASE	SEAM	SAM NUM	THIK	% REC MAJ MINOR	DETAIL	DEPTH	C.B.A.
74.22	75.00	5	530	.78	47 COAL	BADLY BKN TO CRUSHED, SEMI-LUSTEROUS WITH VITRAIN BANDING, REC: 0.38 M,	74.50	37
75.00	75.05		530	.05	0 BENT	DK BROWN, COALY, R1, REC: 0.03 M		
75.05	76.12	5	530	1.07	0 COAL	UPPER 1/2 BADLY BROKEN, LOWER 1/2 BKN STICK, NO F.W. CONTACT, REC: 0.65 M, AS COAL ABOVE		
76.12	77.97			1.85	100 STST	DK GY, BKN, REC: 1.85 M, COAL FRACES, MASSIVE BEDDING, R1		
77.97	78.52			.55	100 STST	AA, R3, REC: 0.55 M		
78.52	79.51			.99	91 STST	R1-R2, DK GY, BKN, REC: 0.90 M, COAL TRACES		
79.51	81.12	4	531	1.61	26 COAL	MAINLY A SEMI-LUSTEROUS COAL WITH MINOR BANDING, HIGH CALCITE CONTENT - ALONG CLEAVAGE, VERY HARD. REC: 0.42 M, NO CONTACT		
81.12	82.34			1.22	82 STST SLICKENSIDED	DK GY, BKN, MASSIVE BEDDING, R2, REC: 1.00 M		
82.34	83.34			1.00	100 SS1 STST	MINOR STST LAYERS, GY, R1-R2, REC: 1.00 M, SWIRLED AND CONVOLUTED BEDDING	82.80	68
83.34	84.42	3	532	1.08	33 COAL	BADLY BKN, LUSTEROUS, CLEAN, REC: 0.36 M, NO H.W. CONTACT	84.00	76
						F.W.: VISUAL: FAIR PHYSICAL:		

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-308

PROJECT TELKWA

LOG DATE 83/06/13

EXAMINED BY J. EISENMAN

TOP	BASE	SEAM	SAM NUM	THIK	% REC MAJ MINOR	DETAIL	DEPTH	C.B.A.
						FAIR		
84.42	84.49			.07	100 CLST COALY	DK BROWN - BLACK, CRUMBLES EASILY, R1		
84.49	84.67			.18	100 CLST CARBONACEOUS	DK TAN, R3, REC: 0.18 M, MASSIVE BEDDING		
84.67	86.00			1.33	100 STST COALY	DK GY, R2 GRADING TO R3 TOWARD BTM, LAMINATED WITH THIN COAL LAYERS		
						COAL LAYERS BUT POORLY DEV, REC: 1.33 M		
86.00	86.22	2	533	.22	100 COAL	UPPER 10 CM VERY DIRTY/DULL, HARD, LOWER 12 CM LUSTEROUS, VERY THINLY BANDED, H.W. CONTACT: VISUAL: POOR PHYSICAL: POOR		
						F.W. CONTACT: VISUAL: POOR PHYSICAL: POOR		
						REC: 0.22 M		
86.22	86.64			.42	0 STST CARBONACEOUS	DK GY, POORLY DEV BEDDING, R1, REC: 0.42 M		
86.64	87.20	2	534	.56	77 COAL	LUSTEROUS, THINLY BANDED, CLEAN, REC: 0.43 M, BKN, SOME CALCITE ALONG FRAC, H.W. CONTACT: VISUAL: POOR PHYSICAL: POOR	87.30	75
						F.W. CONTACT: VISUAL: POOR PHYSICAL: FAIR		
87.20	93.57			6.37	0 STST SS1	INTERBEDDED, GY DK GY, BKN STICK, R2, SOME CONVOLUTED	88.10	75

CORE DESCRIPTION

03/07/84

HOLE ID TWB30-308
PROJECT TELKWA
LOG DATE 83/06/13
EXAMINED BY J. EISENMAN

TOP	BASE	SEAM	SAM NUM	THIK	% REC	MAJ	MINOR	DETAIL	DEPTH	C.B.A.
								BEDDING, MAINLY VERY THINLY BEDDED, REC: 6.1 M. COAL TRACES	90.70	78
									93.40	75

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-309

PROJECT TELKWA

LOG DATE 83/06/12

EXAMINED BY D. HANDY

TOP	BASE	SEAM	SAM NUM	THIK	REC	MAJ	MINOR	DETAIL	DEPTH	C.B.A.
.00	7.59			7.59	0	DB				
7.59	7.63 ?			.04	100	COAL		RECOVERY - 0.14/0.14=100%		
								BROKEN TO CRUSHED STICK - SMALL FRAGMENTS LSD INDICATES THIS TO BE A THIN STRINGER, DULL WITH THIN VITRAIN LAYERS.		
								ROOF/FLOOR SEPARATION NOT DISTINGUISHABLE DUE TO CORE LOSS		
7.63	8.90			1.27	0	MDST CARBONACEOUS		DK GY, MASSIVE BEDDED, HIGHLY WEATHERED TO CLAY, COALY IN PLACES		
8.90	9.74 ?		535	.84	74	COAL BENT		RECOVERY: 0.62/0.84=74%. BROKEN STICK, VERY HARD, CLEAN COAL, MINOR BENTONITE - 2 OR 3 MM NEAR THE ROOT, NOT DISCERNABLE IN BED LOG, ROOF SEPARATION VISUAL: POOR PHYSICAL: GOOD,	9.00	88
								FLOOR SEPARATION VISUAL: FAIR PHYSICAL: GOOD		
9.74	11.88			2.14	0	MDST CARBONACEOUS/COALY		DK GY, MAINLY MASSIVE, OCCASIONALLY THIN, MED GY SILTY BEDS LESS THAN 1 CM THICK, BROKEN STICK OCCASIONALLY CARBONACEOUS LAYER, OCCASIONALLY COALY LENSE, PYRITE BLEBS (1 CM CHA) NEAR BOTTOM OF UNIT AND PYRITE LAYERS PARALLEL TO BEDDING	11.70	78

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-309

PROJECT TELKWA

LOG DATE 83/06/12

EXAMINED BY D. HANDY

TOP	BASE SEAM	SAM NUM	THIK	% REC MAJ MINOR	DETAIL	DEPTH	C.B.A.
11.88	12.90 7	536	1.02	81 COAL BENT	RECOVERY: 0.83/1.02=81%, BROKEN STICK, MINOR FRAGMENTS, DULL WITH THIN		
5 CM VITRAIN LAYERS. HARD							
					MINOR CALCITE COATS CLEAN NEAR FOOTWALL 12.70 - 12.73 3 CM OF BENT, CLAY SAMPLE TAKEN		
12.90	13.50		.60	0 MDST	DK GY, FAIRLY MASSIVE, BROKEN STICK		
13.50	14.40		.90	0 MDST SLST	DK GY/MED GY, THIN BEDDED MDST WITH SLST, PLANAR BEDDING, BROKEN STICK SOME CLAYEY SEGMENTS (WEATHERED) DOES NOT LOOK LIKE FAULT GAUGE	14.35	84
14.40	17.57		3.17	0 MDST SLST	MED TO DK GREY, MASSIVE AND THIN BEDDED MDST/SLST		
					STICK TO AND BROKEN STICK TO FRAGMENTS		
17.57	17.68 6		.11	0 COAL	NO COAL RECOVERED 0%		
17.68	17.84		.16	0 MDST	SPLIT - NO CORE		
17.84	18.20 6		.36	0 COAL	NO COAL RECOVERED		
18.20	18.78		.58	0 MDST	NO CORE		

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-309
 PROJECT TELKWA
 LOG DATE 83/06/12
 EXAMINED BY D. HANDY

TOP	BASE SEAM	SAM NUM	THIK	% REC MAJ	MINOR	DETAIL	DEPTH	C.B.A.
18.78	19.15 6		.37	0	COAL	NO COAL RECOVERED		
19.15	24.14		4.99	0	MDST SLST	DK GY/LT GY INTERBEDDED MDST WITH SLST, THIN BEDDED, SLIGHTLY CARBONACEOUS	22.56	80
						TOWARD ROOF OF COAL SEAM BELOW BROKEN STICK TO STICK SOME FRAGS	23.49	76
24.14	26.32 6	537	2.18	84	COAL			
						VITRAIN, OCCASIONALLY GOOD CLEAT (UP TO 1 CM), VERY HARD, STICK TO BROKEN		
						STICK, ROOF SEPARATION - VISUAL: FAIR PHYSICAL: GOOD		
						FLOOR SEPARATION - VISUAL: FAIR TO GOOD PHYSICAL: GOOD		
26.32	27.36		1.04	0	MDST	DK GY, MASSIVE STICK		
27.36	29.02 6	538	1.66	78	COAL	RECOVERY=1.30/1.66=78%, FIRST 35 CM DULL WITH BRIGHT BROKEN TO FRAG STICK		
						27.71 - 27.74 - PYRITE COATING CLEATE, INTERBEDDED		
						27.74 - 29.02 - DULL AND BRIGHT, BROKEN STICK, CLEAN		
						ROOF SEPARATION - VISUAL: POOR PHYSICAL: GOOD		
						FLOOR SEPARATION - VISUAL: GOOD PHYSICAL: GOOD		
29.02	30.09		1.07	0	SLST MDST	MED/DK GY INTERBEDDED SLST AND MDST OCCASIONALLY BROWN IRST.	30.00	76

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-309

PROJECT TELKWA

LOG DATE 83/06/12

EXAMINED BY D. HANDY

TOP	BASE	SEAM	SAM NUM	THIK	% REC	MAJ	MINOR	DETAIL	DEPTH	C.B.A.
								PLANAR BEDDED, STICK		
30.09	34.79			4.70	0	SS1	CARBONACEOUS/SLST	LT GR WITH DARK CARBONACEOUS INTERBEDS - STICK AND BROKEN STICK, SEVERAL BIO-TURBATED ZONES.	31.00	76
								SOFT SED DET FEATURES VISIBLE - MICRO - FAULTS - REHEALED	33.66	82
								BEDDING BADLY DISTORTED IN PLACES		
34.79	35.14			.35	0	SS1	CARBONACEOUS/SLST	FAIRLY CLEAN SS1 BED	34.90	70
35.14	36.99			1.85	0	SS1	CARBONACEOUS/SLST	INTERBEDDED WITH CARBONACEOUS LAYERS AS ABOVE, BIO-TURBATED ZONES, SOFT SED DEF LENSES OF SS3, 35.98 - CaCO2 WITH RIGS FILLED FRACS IN SS2		
36.99	40.48			3.49	0	SLST	MDST/FAULT	DK GY, FAIRLY MASSIVE, BROKEN CORE 37.39 - 37.79 POSSIBLE FAULT		
40.48	45.32			4.84	0	SS1	SLST	MED GY SS1 WITH THIN (MM) INTERBEDDED, DK GY SLST, NOT BIO-TURBATED	42.72	80
								AS ABOVE - GOOD STICK CORE	45.30	80
45.32	45.74	3	539	.42	100	COAL		RECOVERY: 0.42/0.42=100%. DULL WITH BRIGHT CLEAN STICK END,		
								ROOF SEPARATION - VISUAL: EXCELLENT PHYSICAL: EXCELLENT		
								FLOOR SEPARATION - VISUAL:		

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-309
 PROJECT TELKWA
 LOG DATE 83/06/12
 EXAMINED BY D. HANDY

TOP	BASE	SEAM	SAM NUM	THIK	% REC MAJ	MINOR	DETAIL	DEPTH	C.B.A.
							GOOD PHYSICAL: FAIR		
45.74	46.87			1.13	0	MDST SLST	DK GY MASSIVE BEDDED MDST BECOMING SILTY TOWARD THE BOTTOM OF THE UNIT		
46.87	47.98	3	540	1.11	100	COAL	RECOVERY=1.02/1.11=92%, GOOD STICK - HARD, CLEAN, DULL WITH BRIGHT VITRAIN LAYERS, 10 CM NEAR TOP LOOKS QUITE MODULAR, VERY HARD AND SLIGHTLY HEAVIER ROOF SEPARATION - VISUAL: POOR PHYSICAL: GOOD FLOOR SEPARATION - VISUAL: FAIR TO POOR PHYSICAL: GOOD		
47.98	48.50			.52	0	SLST MDST	DK GY, MASSIVE BEDDED HOMOGENOUS UNIT	48.50	76
48.50	48.77	3		.27	0	COAL	RECOVERED ONLY ONE SMALL FRAGMENT, RECOVERY=0%, BRD SHOWS CLEAN COAL		
48.77	49.44			.67	0	SLST MDST	AS ABOVE		
49.44	49.77	3	541	.33	100	COAL	RECOVERY=0.33/0.33=100%, DULL, BROKEN STICK VERY HARD, MINOR CALCITE THROUGHOUT ROOF SEPARATION - VISUAL: GOOD PHYSICAL: GOOD FLOOR SEPARATION - VISUAL: VERY GOOD PHYSICAL: VERY GOOD		
49.77	56.18			6.41	0	SLST MDST/IRST	DK GY/LT GY INTERBEDDED SLST WITH MDST AND 8CC IRST, THIN	51.27	70

CORE DESCRIPTION

03/07/84

HOLE ID TWB3D-309
 PROJECT TELKWA
 LOG DATE 83/06/12
 EXAMINED BY D. HANDY

TOP	BASE	SEAM	SAM NUM	THIK	% REC MAJ MINOR	DETAIL	DEPTH	C.B.A.
						BEDDED, BKN STICK		
56.18	60.60	2	542	4.42	29 COAL	RECOVERY=1.30/4.42=29%, UPPER 70% OF SEAM HIGHLY BROKEN, HARD FRAGMENTS. BOTTOM 20% BROKEN STICK	54.30	71
						ROOF SEPARATION - VISUAL: GOOD PHYSICAL: GOOD		
						FLOOR SEPARATION - VISUAL: POOR PHYSICAL: POOR		
60.60	60.78			.18	0 MDST SPLIT	DK GY, SHATTERED		
60.78	61.44	2	543	.66	80 COAL	RECOVERY=0.53/0.66=80%, DULL WITH BRIGHT, BROKEN STICK		
						ROOF SEPARATION - VISUAL: POOR PHYSICAL: FAIR		
						FLOOR SEPARATION - VISUAL: POOR PHYSICAL: FAIR		
61.44	64.24			2.80	0 SLST MDST	DK GY MASSIVE/ LIGHT GREY INTERBEDDED BROKEN STICK, MINOR IRST MODULES, SOFT SED STRUCTURES		
64.24	68.90			4.66	0 MDST	DK GY, MASSIVE STICK, BROKEN STICK, MINOR IRST MODULES. END OF HOLE		

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-310
 PROJECT TELKWA
 LOG DATE 83/06/19
 EXAMINED BY J. KNUTSON

TOP	BASE	SEAM	SAM NUM	THIK	% REC MAJ MINOR	DETAIL	DEPTH	C.B.A.
.00	9.06			9.06	0 0B			
9.06	10.09	10	544	1.03	58 COAL	RECOVERY 0.60/1.03=58%		
						DULL WITH THIN BRIGHT VITRAIN. CLEAN, VERY HARD, BROKEN STICK UPPER SEC FRAGMENTED TOWARD FOOTWALL		
						H.W. CONTACT - VISUAL: GOOD PHYSICAL: SEPARATION VERY GOOD		
						F.W. CONTACT - VISUAL: GOOD PHYSICAL: VERY GOOD		
10.09	12.72			2.63	0 SS1	FINE SANDSTONE - LT GY WITH DK BEDDING		
12.72	13.86			1.14	0 MDST	MUDSTONE WITH SILTSTONE BEDDING		
13.86	14.02			.16	0 IRST			
14.02	17.28			3.26	0 MDST	MED TO DK GY MUDSTONE TIGHT BEDDING		
17.28	17.38	9	545	.10	0 COAL	POOR SEPARATION AT MUDSTONE (CARB) ON TOP OF COAL, DULL WITH THIN BRIGHT VITRAIN, CLEAN COAL		
17.38	18.32	9	545	.94	100 COAL	BROKFN STICK WITH PYRITE, GOOD FLOOR SEPARATION (RECOVERY 1.04/1.04(100%))		

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-310
 PROJECT TELKWA
 LOG DATE 83/06/19
 EXAMINED BY J. KNOTSON

TOP	BASE	SEAM	SAM NUM	THIK	% REC MAJ MINOR	DETAIL	DEPTH	C.B.A.
18.32	20.20			1.88	0 MDST	LT GY WITH WEATHERED CLAY		
20.20	22.56	8	546	2.36	94 COAL	POOR SEPARATION, (.07 BAND OF CARB/COAL WITH PYRITE AND CALCITE BANDS) CARB SHALE BAND AT 21.02 - 21.06, CARB SHALE BAND AT 22.04 - 22.10 RECOVERY 2.22/2.36=94%, DULL WITH THIN BRIGHT VITRAIN, CLEAN COAL FLOOR: SEPARATION GOOD		
22.56	26.57			4.01	0 MDST	LT GY MDST TO 24.06 THEN DARKER GY WITH THIN IRONSTONE BANDS		
26.57	28.41			1.84	0 SS1	SANDSTONE WITH IRONSTONE AND CALCITE MODULES		
28.41	29.58			1.17	0 MDST	VERY WEATHERED (LT GY) DARK BANDS		
29.58	31.23			1.65	0 SS1	SANDSTONE WITH MUDSTONE BANDS AND CALCITE 		
31.23	32.85			1.62	0 MDST	DK MDST TO 32.17 THEN LT GY WITH DK BANDING		
32.85	32.91			.06	0 COAL	STRINGER		
32.91	33.62			.71	0 MDST	MED GY TO SLICK		
33.62	41.24			7.62	0 MDST	WITH SMALL SS BANDS		

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-310
 PROJECT TELKWA
 LOG DATE 83/06/19
 EXAMINED BY J. KNUTSON

TOP	BASE	SEAM	SAM NUM	THIK	% REC MAJ MINOR	DETAIL	DEPTH	C.B.A.
41.24	42.48	7	547	1.24	95 COAL	RECOVERY 1.16/1.24 (95%)		
						GOOD TOP SEPARATION		
						COAL LOOKS GOOD DULL WITH BRIGHT VITRAIN,		
						BOTTOM SEPARATION POOR		
						CARBONACEOUS AND SLICK		
42.48	45.78			3.30	0 MDST	SS BANDS AND SMALL IRONSTONE BANDS WITH CALCITE MODULES		
45.78	46.88			1.10	0 SS1	W/ MUDSTONE BANDS. CALCITE MODULES AND IRONSTONE BAND - GREEN COLOR		
46.88	47.17	6		.29	48 COAL	STRINGER W/PYRITE RECOVERY .14/.29 (48%)		
47.17	47.68			.51	0 MDST	DARK GRAY		
47.68	47.93	6		.25	100 COAL	STRINGER CARB TOP AND BOTOM SEPARATION RECOVERY .25/.25 (100%)		
47.93	48.61			.68	0 MDST	TIGHT W/PYRITE MODULES		
48.61	49.32	6	54B	.71	100 COAL	RECOVERY .71/.71 (100%)		
						TOP SEPARATION CARB: POOR		

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-310
 PROJECT TELKWA
 LOG DATE 83/06/19
 EXAMINED BY J. KNUTSON

TOP	BASE	SEAM	SAM NUM	THIK	% REC	MAJ	MINOR	DETAIL	DEPTH	C.B.A.
								BOTTOM SEPARATION CARB: POOR		
								DULL W/BRIGHT VITRAIN, FULL OF CALCITE		
49.32	50.38			1.06	0	MDST		DK GY W/GLICK THROUGHOUT		
50.38	52.16	6	549	1.78	85	COAL		TOP OF COAL SEPARATION POOR - CARB COAL HAS SLICKS AND PYRITE, DULL W/BRIGHT VITRAIN, CLAY PARTING (.16),		
								BOTTOM SEPARATION - GOOD W/CALCITE, RECOVERY 1.52/1.78 (85%)		
52.16	52.60			.44	0	MDST		WEATHERED PARTING (25% RECOVERY)		
52.60	54.16	6	550	1.56	33	COAL		RECOVERY .52/1.56=33%. COAL TOP SEPARATION - POOR, LOSS OF COAL BOTTOM COAL SEPARATION - GOOD, CALCITE BANDS		
54.16	55.58			1.42	0	MDST		LIGHT GRAY TO (54.94), LIGHT GRAY WITH SS AND SLICK TO (55.58)		
55.58	64.33			8.75	0	SS1		LIGHT GRAY WEATHERED W/GLICKS		
64.33	66.37			2.04	0	MDST		WEATHERED AND BROKEN-UP TO 64.97, DARK GRAY W/SS BANDS AND IRST MODULES AND SLICKS		
66.37	69.20			2.83	0	SS1		MDST BANDS, CALCITE, IRONSTONE		

CORE DESCRIPTION

03/07/B4

HOLE ID TW83D-310
 PROJECT TELKWA
 LOG DATE 83/06/19
 EXAMINED BY J. KNUTSON

TOP	BASE SEAM	SAM NUM	THIK	% REC MAJ	MINOR	DETAIL	DEPTH	C.B.A.
						BANDS MANY SLICKS		
69.20	71.46		2.26	0	MDST	WEATHERED - 11% RECOVERY, BROKEN UP		
71.46	71.93 3	551	.47	64	COAL	TOP SEPARATION: GOOD, CARBONACEOUS BOTTOM SEPARATION VERY GOOD		
71.93	74.49		2.56	0	MDST	IRONSTONE BAND - DK GY - WEATHER, MANY SLICKS, WITH PYRITE		
74.49	74.86 3	552	.37	27	COAL	TOP SEPARATION - POOR, CARB BOTTOM SEPARATION - GOOD		
74.86	75.07		.21	0	MDST	BROKEN, MANY SLICKS		
75.07	75.32 3		.25	80	COAL	THIN, GOOD		
75.32	77.16		1.84	0	MDST	MANY SLICKS, DK GY WITH SS BANDS, SOME CALCITE		
77.16	79.49 2	553	2.33	34	COAL	POOR BROKEN COAL VERY SOFT, CARB TOP AND BOTTOM		
79.49	79.83		.34	0	MDST	SLICKS AND CARB		
79.83	80.90 2	554	1.07	98	COAL	RECOVERY 98%, GOOD TOP SEPARATION, CARB, DULL WITH BRIGHT VITRAIN, CALCITE, GOOD BOTTOM COAL		

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-310
 PROJECT TELKWA
 LOG DATE 83/06/19
 EXAMINED BY J. KNUTSON

TOP	BASE SEAM	SAM NUM	THIK	% REC MAJ MINOR	DETAIL	DEPTH	C.B.A.
80.90	90.00		9.10	0 MDST	LT GY WITH DARKER BANDS, AND MANY THIN IRONSTONE BANDS		

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-311
 PROJECT TELKWA
 LOG DATE 83/06/12
 EXAMINED BY J. EISENMAN

TOP	BASE SEAM	SAM NUM	THIK	% REC MAJ MINOR	DETAIL	DEPTH	C.B.A.
.00	3.10		3.10	0 0B			
3.10	3.13		.03	0 SLST			
3.13	3.26		.13	0 CLAY SILTY	GY, COAL TRACES, REC: 0.13 M	4.10	81
3.26	3.99 10		.73	4 COAL STST	REC: 0.03 M. CRUSHED	5.00	80
3.99	10.67		6.68	0 5S2 STST	THIN STST INTERVALS, MICACEOUS, GY WITH A SLIGHT GREEN TINGE, EXCEPT FOR SOME DARK STST LAYERS BEDDING IS POORLY DEV. R2, BKN, 10% STST EXCEPT LOWER 60 CM - 50% SLTST, REC: 5.10 M	6.80	74
						7.90	72
						8.70	78
						9.80	79
10.67	11.72		1.05	0 STST	DK GY, MICACEOUS, BKN, REC: 0.80 M. R1	11.30	71
11.72	12.72 9	555	1.00	85 COAL	LUSTEROUS, BANDED, CLEAN, CUBIC CLEAVAGE, PYRITE FLAKES THROUGHOUT, BKN STICK, NO CONTACTS, REC: 0.85 M	12.40	65
						12.50	68
12.72	14.10		1.38	0 STST	DK GY, COAL TRACES, POORLY DEV BEDDING, BKS EASILY, R2, REC: 1.17 M, 1 CM PYRITE BAND 3 CM ROM BTM	13.10	74
						13.90	73

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-311
 PROJECT TELKWA
 LOG DATE 83/06/12
 EXAMINED BY J. EISENMAN

TOP	BASE	SEAM	SAM NUM	THIK	% REC MAJ	MINOR	DETAIL	DEPTH	C.B.A.
5 M4.10	8.65	9	BKN, LUS	6.6	ROUS	WIZH49	60 COA6.5	DICKEN	8IDED AT
							MINOR BANDING, CLEAN, REC: 1.5		
16.59	20.42			3.83	0	SS1 STST	INTERBEDDED, R2-R3, GY AND DK	16.80	58
							GY, THICKLY LAMIN, BKN, REC:		
							3.5 M	20.40	61
								20.60	58
								20.90	85
								21.70	81
								23.00	81

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-312
 PROJECT TELKWA
 LOG DATE 83/06/22
 EXAMINED BY J. EISENMAN

TOP	BASE	SEAM	SAM NUM	THIK	% REC	MAJ	MINOR	DETAIL	DEPTH	C.B.A.
.00	4.20			4.20	0	OB				
4.20	18.74			14.54	45	SS2	STST	INTERBEDDED 80% SS, GY - DK GY, MAINLY CONVOLUTED BEDDING,	10.00	75
								SOME LAMIN BEDDING, R1, BKN, MINOR COAL TRACES, REC: 6.60 M	11.20	80
18.74	19.21	3	557	.47	79	COAL		LUSTERIOUS, SOME BANDING. CLEAN, REC: 0.37 M, SEPARATION WITH H.W.	17.30	75
								VISUAL: GOOD PHYSICAL: FAIR, F.W. - VISUAL: POOR PHYSICAL: POOR		
19.21	19.98			.77	91	SLST		DK GY, CRUMBLES VERY EASILY, RO-R1, COAL TRACES, POORLY DEV BEDDING,	19.90	75
								REC: 0.70 M, UPPER 3 CM VERY COALY BLACK		
19.98	20.90	3	558	.92	70	COAL		BKN STICK, HARD, MAINLY A CLEAN LUSTERIOUS/METALLIC COAL WITH MINOR	20.60	80
								THIN BANDING, REC: 0.64 M, NO F.W. OR H.W. CONTACTS,		
								SEVERAL VITRAIN BANDS < 5 MM THICK		
20.90	21.14			.24	100	SLST	POLISHED FRAC	DK GY, REC: 0.24 M, BKN, RO		
21.14	21.33			.19	100	SLST	VERY COALY	BLK, R1, REC: 0.19 M, POORLY DEV BEDDING	21.00	77
21.33	22.21			.88	82	SLST	CARB SLICKENSIDED	DK GY, POORLY DEV BEDDING, REC: 0.72 M, RO-R1, BKN, 1 CM PYRITE BLEB	22.00	76

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-312
 PROJECT TELKWA
 LOG DATE 83/06/22
 EXAMINED BY J. EISENMAN

TOP	BASE	SEAM	SAM NUM	THIK	% REC MAJ MINOR	DETAIL	DEPTH	C.B.A.
22.21	22.46	3		.25	8 COAL	REC: 0.02 M		
22.46	23.08			.62	77 SLST	GY, BKN, REC: 0.48 M, COAL TRACES, POORLY DEV BEDDING		
23.08	23.42	3	559	.34	68 COAL	REC: 0.23 M, LUSTEROUS, MINOR BANDING, CLEAN, 1 CM COALY STST BAND 3 CM FROM BTM, NO H.W. CONTACT, F.W. CONTACT - VISUAL: GOOD PHYSICAL: FAIR		
23.42	27.22			3.80	98 SLST	REC: 3.75 M, GY - DK GY, POORLY DEV BEDDING, BKN, UPPER 1 M SS1 AND STST INTERBEDDED, R1, 7 CM BAND AT 24.9 M - SS2 GREENISH GY, R2, LOWER 5 CM COALY	23.30	73
							24.50	77
27.22	27.39			.17	100 COAL	SEMI-LUSTEROUS, LOWER 4 CM VERY DIRTY, REC: 0.17 M		
27.39	27.57			.18	100 SLST CARBONACEOUS	DK GY, R1, REC: 0.18 M, LOWER 5 CM VERY COALY	27.60	76
27.57	27.87		560	.30	73 COAL	LUSTEROUS, MINOR THIN VITRAIN BANDS, REC: 0.22 M, CLEAN, LOWER 4 CM DIRTY, 2MM PYRITE BAND, CALCITE ALONG FRACTURES, NO CONTACTS	30.00	76
27.87	30.64			2.77	87 SLST CARBONACEOUS, SS1	DK GY, THIN SS1 LENSES, BKN, POORLY DEV BEDDING, REC: 2.4 M, BRKS EASILY, R1	30.30	53

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-312
 PROJECT TELKWA
 LOG DATE 83/06/22
 EXAMINED BY J. EISENMAN

TOP	BASE	SEAM	SAM NUM	THIK	% REC MAJ	MINOR	DETAIL	DEPTH	C.B.A.
30.64	32.52	2		1.88	5	COAL	REC: 0.10 M, BRT BANDED, NO CONTACTS	31.00	40
32.52	34.52			2.00	100	SS1 STST	INTERBEDDED, MINOR BIO-TURBATING, GY - DK GY, THINLY BEDDED, WELL DEVELOPED SOME CONVOLUTED RIPPLED BEDDING, REC: 2.00 M	32.80	55
								33.10	54
								33.40	48
								34.30	57
34.52	34.92			.40	100	SS2	GY, R3, MINOR COAL TRACES, REC: 0.40 M, POORLY DEV BEDDING	35.10	54
34.92	44.51			9.59	98	SLST SS1	THIN SS1 LAYERS, SS - 10%, STST, 90 %, MAINLY DK GY, MAINLY POORLY DEV BEDDING, CORE BKS EASILY ALONG BEDDING, 2 10 CM IRONSTONE BANDS, REC: 9.4 M, R1	37.10	54
								38.10	52
								40.20	52
								42.00	58
								43.10	55
								44.30	54
44.51	57.99			13.48	99	SS1	SILTY, GY - DK GY, MINOR COAL TRACES, SOME STICK CORE, POORLY DEV BEDDING, R1, REC: 13.4 M, 15 CM IRONSTONE BAND, R3	49.00	57
								51.30	55

CORE DESCRIPTION

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HOLE ID TW83D-312
 PROJECT TELKWA
 LOG DATE 83/06/22
 EXAMINED BY J. EISENMAN

TOP	BASE	SEAM	SAM NUM	THIK	% REC MAJ MINOR	DETAIL	DEPTH	C.B.A.
57.99	58.47			.48	100 SS2	GY, MASSIVE, R2, CLEAN, REC: 0.48 M	56.00	57
58.47	59.44			.97	100 SS1	SILTY, SAME AS FINE GRAINED SANDSTONE ABOVE; RECOVERED 0.97		

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CORE DESCRIPTION

03/07/84

HOLE ID TW83D-313
 PROJECT TELKWA
 LOG DATE 83/06/23
 EXAMINED BY J. EISENMAN

TOP	BASE	SEAM	SAM NUM	THIK	% REC MAJ	MINOR	DETAIL	DEPTH	C.B.A.
.00	6.55			6.55	0	0B			
6.55	7.83	7	561	1.28	62	COAL	REC: 0.79 M, BANDED, MAINLY SEMI-LUSTEROUS WITH THIN VITRAIN BANDS. CLEAN. BKN STICK, 2 CM DULL/DIRTY FRAG 26 CM FROM BTM, NO H.W. OR F.W. CONTACTS	7.60	76
7.83	9.40			1.57	61	SLST	BKN, GY, R1, MINOR COAL TRACES, REC: 0.95 M		
9.40	11.38	7	562	1.98	63	COAL	REC: 1.24 M, BKN, THINLY BANDED, MAINLY LUSTEROUS WITH THIN VITRAIN BANDS, CLEAN, SAME THROUGHOUT, NO CLEAR H.W. OR F.W. CONTACTS, OCCASIONAL SMALL PYRITE CRYSTALS	9.60	75
11.38	17.62			6.24	47	SLST SS1 POLISHED FRAC	GY, INTERBEDDED, MINOR BIO-TURBATION, MAINLY CONVOLUTED BEDDING, R1, COAL TRACES, BKN, REC: 2.95 M, MIDDLE 40 CM THINLY LAMIN, WELL DEV	14.10	76
17.62	19.12	6	563	1.50	56	COAL	MAINLY A SEMI-LUSTEROUS COAL WITH THIN VITRAIN BANDS. CLEAN, BKN, REC: 0.84 M, NO CONTACTS VISABLE	17.00	53
19.12	19.29			.17	0	SLST CARB, SANDY	GY, REC: 0.09 M, DK GY, R1	17.40	70
19.29	21.28	6	564	1.99	73	COAL	SOME PYRITE ALONG VITRAIN	19.00	77
								19.60	72

CORE DESCRIPTION

03/07/84

HOLE ID TW89D-313
 PROJECT TELKWA
 LOG DATE 83/06/23
 EXAMINED BY J. EISENMAN

TOP	BASE	SEAM	SAM NUM	THIK	% REC	MAJ	MINOR	DETAIL	DEPTH	C.B.A.
								CLEAVAGE, SOME CORE SECTIONS ARE VERY HARD, REC: 1.45 M	21.00	70
21.28	22.33			1.05	100	SLST	SLICKENSIDED	DK GY, BKN, R2, REC: 1.05 M, SLICKENSIDED AT 21.7 M AND 22.15 M, DK GY, MASSIVE, COAL TRACES		
22.33	26.37			4.04	83	SS1	SLST	40% SLST, R2, BIO-TURBATED, MAINLY CONVOLUTED BEDDING, 14 CM IRONSTONE BAND, HIGH CALCITE CONTENT, MINOR COAL TRACES, REC: 3.35 M	22.80	70
26.37	27.23			.86	100	SS2		R2, GY, CLEAN, POORLY DEV BEDDING, 1 CALCITE HEALED FRACTURE, REC: 0.86 M	26.60	70
27.23	27.99			.76	100	SS1	SLST	INTERBEDDED, CONVOLUTED BEDDING, REC: 0.76 M	27.90	69
27.99	28.49			.50	100	SS2		GY, MINOR COAL TRACES, R2, REC: 0.50 M		
28.49	35.20			6.71	92	SS2	SLST	INTERBEDDED, R1, GY AND DK GY, MINOR COAL TRACES, SOME SOFT SEDIMENT SLUMPING, CALCITE HEALED FRACTURES, BEDDING VARIES FROM WELL DEVELOPED	30.00	69
								THINLY LAMIN TO NO APPARENT BEDDING, 2 20 CM IRONSTONE BANDS, REC: 6.20 M SOME BIO-TURBATION	31.50	69
35.20	35.52	3	565	.32	72	COAL		LUSTERIOUS WITH THIN VITRAIN BANDS, BKN, VERY HARD, REC:		

CORE DESCRIPTION

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HOLE ID TW83D-313
 PROJECT TELKWA
 LOG DATE 83/06/23
 EXAMINED BY J. EISENMAN

TOP	BASE SEAM	SAM NUM	THIK	% REC MAJ MINOR	DETAIL	DEPTH	C.B.A.
					O.23 M, NO CLEAR H.W. OR F.W. CONTACTS		
35.52	35.97		.45	0 MDST			
35.97	36.20	3	.23	0 COAL			
36.20	38.49		2.29	38 SLST POLISHED FRAC	DK GY, EXCEPT FOR A VERY HARD 5 CM BAND CORE CRUMBLES VERY EASILY. POLISHED FRAC AT BTM, REC: 0.86 M, BKN		
38.49	39.49	3	1.00	6 COAL	DIRTY, CRUSHED, REC: 0.06 M		
39.49	39.86		.37	35 CLST	REC: 0.13, CRUSHED, DK GY		
39.86	40.26	3	.40	0 COAL	PROBABLY COAL		
40.26	41.42		1.16	100 SLST SLICKENSIDED AT BTM	DK GY, BKN, R1, COAL TRACES, REC: 1.16 M		
41.42	41.78	566	.36	47 COAL POLISHED FRAC AT TOP	REC: 0.17 M, HARD, THINLY BANDED, CLEAN, SOME VITRAIN BANDING, BANDS ARE SUB-PARALLEL TCA		
41.78	43.60		1.82	49 SLST COALY, SLICKENSIDED	REC: 0.90 M, BADLY BKN, DK GY TO BIK, 1 CM PYRITE BLFB, NO BEDDING		
43.60	43.92	3	.32	0 COAL	PROBABLY COAL		

CORE DESCRIPTION

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HOLE ID TW83D-313
 PROJECT TELKWA
 LOG DATE 83/06/23
 EXAMINED BY J. EISENMAN

TOP	BASE	SEAM	SAM NUM	THIK	% REC MAJ MINOR	DETAIL	DEPTH	C.B.A.
43.92	44.60			.68	15 SLST	DK GY, BKN, REC: 0.10 M		
44.60	46.56	3	567	1.96	7 COAL	BADLY BKN, LUSTEROUS, CLEAN, REC: 0.13 M, NO CONTACTS WITH H.W. OR F.W.		
46.56	47.03			.47	0 CLAY VERY COALY, FAULT	BLK, BADLY BKN, SLICKENSTDED, POLISHED SURFACES, SOME SMALL PYRITE CRYSTALS REC: 0.35 M		
47.03	47.26	3	568	.33	26 COAL	DULL, VERY DIRTY, REC: 0.06 M		
47.26	51.96			4.70	0 SLST CARBONACEOUS	DK GY, R1, POORLY DEVELOPED BEDDING, REC: 4.50 M	48.00	50
51.96	52.77	2	569	.81	0 COAL	BKN, LUSTEROUS, CLEAN, REC: 0.24 M		
52.77	52.84		569	.07	40 BENT	RO, WHITE, REC: 0.03 M, SAMPLED		
52.84	53.00	2	569	.16	0 COAL POLISHED FRAC	HARD, MAINLY DULL, REC: 0.15 M, NO F.W. CONTACT		
53.00	53.94			.94	0 SLST	DK GY, BKN, R1, COAL TRACES, REC: 0.77 M, NO BEDDING		
53.94	54.23	2	570	.29	0 COAL SLICKENSIDED	REC: 0.29 M, DULL WITH A FEW THIN VITRAIN BANDS, CALCITE ALONG FRAC, NO CONTACTS ON H.W.		

CORE DESCRIPTION

03/07/84

HOLE ID TW830-313
 PROJECT TELKWA
 LOG DATE 83/06/23
 EXAMINED BY J. EISENMAN

TOP	BASE	SEAM	SAM NUM	THIK	% REC	MAJ	MINOR	DETAIL	DEPTH	C.B.A.
54.23	54.36		570	.13	84	BENT	COALY	GY, R1, REC: 0.10 M, SAMPLED		
54.36	55.92	2	570	1.56	0	COAL	SLICKENSIDED	BKN STICK, MAINLY LUSTEROUS, SOME THIN VITRAIN BANDING, CLEAN, REC: 1.15 M		
55.92	56.04		570	.12	0	BENT		GY, R1, REC: 0.04 M, SAMPLED		
56.04	57.80	2	570	1.76	0	COAL	POLISHED FRAC	NO F.W. CONTACT, REC: 1.67 M, BKN STICK MAINLY DULL WITH NUMEROUS THIN VITRAIN BANDS, SOME CALCITE ALONG FRACT	64.70	45
57.80	66.14			8.34	0	SLST	SS1	INTERBEDDED, BIO-TURBATED, BEDDING IS MAINLY CONVOLUTED, STICK CORE, R2 REC: 8.3 M		

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-314
 PROJECT TELKWA
 LOG DATE 83/06/24
 EXAMINED BY S. CAMERON

TOP	BASE SEAM	SAM NUM	THIK	% REC MAJ	MINOR	DETAIL	DEPTH	C.B.A.
.00	5.18		5.18	0	OB			
5.18	14.10		8.92	0	SLST MDST	CARBONACEOUS - OCCASIONALLY, IRONSTONE BAND, VERY BKN, GY BLACK, RECOVERY 40%		
14.10	19.50		5.40	0	SS1 CARBONACEOUS MDST	SS1 INTERBEDDED WITH MDST, OCCASIONALLY COALY WHISPS IN SS1, GY, CONVOLUTED BEDDING, OCCASIONALLY BID-TURBATION, RECOVERY 35%	17.00	44
19.50	32.32		12.82	0	MDST SLST	GY BLK CARBONACEOUS MDST INTERBEDDED WITH GY SLST, OCCASIONALLY SLICKENSIDE RECOVERY 45%, OCCASIONALLY THIN BAND SS1		
32.32	33.22	7	571	.90	71 COAL	HARD, DULL WITH THIN VITRAIN BANDS, THIN (1 CM) INTERBED OF SLST. VISUAL CONTACT: FAIR PHYSICAL: FAIR	33.00	39
33.22	34.60		1.38	0	MDST SILTSTONE/SS1	INTERBEDDED GREY BLACK MUDSTONE WITH GREY SILTSTONE/SS1, THINLY BEDDED, ME SOFT SEDIMENT DEFORMATION		
34.60	35.10		.50	0	IRST	SECONDARY SIDERITE CEMENT IN INTERBEDDED SLST/SS1, ABUNDANT CALCITE FRACS		
35.10	35.22		.12	0	MDST CARBONACEOUS	GY BLACK, VERY BROKEN		

CORE DESCRIPTION

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HOLE ID TW83D-314
 PROJECT TELKWA
 LOG DATE 83/06/24
 EXAMINED BY S. CAMERON

TOP	BASE SEAM	SAM NUM	THIK	% REC MAJ MINOR	DETAIL	DEPTH	C.B.A.
35.22	36.33	7	1.11	0 COAL	0% RECOVERY		
36.33	38.80		2.47	0 MDST CARBONACEOUS	BLACK, CALCITE FRACTURES THROUGHOUT, POORLY BEDDED, COALY BLEBS, SLICKS	37.20	44
38.80	39.32	7	572	.52 67 COAL	BROKEN, HARD, DULL, ABUNDANT CALCITE STRINGERS, ABUNDANT SLICKENSIDES AT TOP OF SEAM		
39.32	40.47		1.15	0 MDST CARB FAULT	GY, ABUNDANT SLICKENSIDES INDICATIVE OF TRANSCURRENT MOVEMENT	39.80	20
40.47	40.60	573	.13	0 COAL FAULTED	SLICKENSIDES THROUGHOUT, ABUNDANT CALCITE FRACTURES		
40.60	40.75	573	.15	65 MDST CARBONACEOUS	BLACK OCCASIONAL SLICKENSIDE		
40.75	41.08	573	.33	65 COAL BROKEN	OCCASIONAL SLICKENSIDES, NO APPARENT BEDDING		
41.08	42.10		1.02	0 MDST CARBONACEOUS	BLACK, OCCASIONAL SLICKENSIDE		
42.10	42.40		.30	0 SS1 IRST	ABUNDANT CC FILLED FRACTURES		
42.40	44.05		1.65	0 MDST CARBONACEOUS	GY BLACK, VERY CARBONACEOUS, OCCASIONAL SLICKENSIDE, ABUNDANT COALY BLEBS		
44.05	44.34		.29	0 COAL	ABUNDANCE OF CC STRINGERS NEAR BASE OF UNIT		

CORE DESCRIPTION

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HOLE ID TW83D-314
 PROJECT TELKWA
 LOG DATE 83/06/24
 EXAMINED BY S. CAMERON

TOP	BASE SEAM	SAM NUM	THIK	% REC MAJ MINOR	DETAIL	DEPTH	C.B.A.
44.34	44.92		.58	0 MDST CARBONACEOUS	GY BLACK, COALY STRINGERS THROUGHOUT		
44.92	45.05		.13	10 COAL	10% RECOVERY		
45.05	45.14		.09	0 SLST CARBONACEOUS	GY BLACK, COALY BANDS THROUGHOUT		
45.14	45.45		.31	0 COAL	ABUNDANCE OF CALCITE FILLED FRACTURES, HARD, DULL, WITH VITRAIN BANDS	45.20	63
45.45	47.68		2.23	0 MDST CARBONACEOUS	GY BLACK, 5 CM THIN SS1 BED AT BASE OF UNIT	46.00	49
						47.65	64
47.68	48.60 6	574	.92	54 COAL	HARD, DULL, VISUAL CONTACT: POOR PHYSICAL CONTACT; POOR, CC FILLED JOINTS (CJA 20)	48.60	66
48.60	48.70	574	.10	0 BENT	LT GY, RECOVERY 100%		
48.70	49.85 6	574	1.15	55 COAL	DULL, HARD, OCCASIONAL CC FILLED JOINT		
49.85	49.92	574	.07	0 SLST CARBONACEOUS			
49.92	50.09 6	574	.17	80 COAL STALEY	COAL HAS ABUNDANT THIN STALEY PARTINGS	50.00	65
50.09	50.20	574	.11	0 MDST CARBONACEOUS	GREY BLACK	50.20	64

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-315
 PROJECT TELKWA
 LOG DATE 83/06/25
 EXAMINED BY B. SANDEN

TOP	BASE SEAM	SAM NUM	THIK	% REC MAJ MINOR	DETAIL	DEPTH	C.B.A.
.00	9.58		9.58	0 0B			
9.58	14.80		5.22	0 SLST	BKN CORE, FINE GRAINED, MED TO DK GY, BKN STICK	10.58	52
						11.58	55
14.80	15.24		.44	0 IRST	LT GY, CALCITE ALONG FRACTURES WITH PYRITE		
15.24	16.14		.90	0 SLST	BKN STICK, MED DARK GY, FINE GRAINED		
16.14	16.44		.30	0 SLST	LT GY WITH CALCITE ALONG FRACTURE		
16.44	21.94		5.50	0 SLST	DK GY, FINE GRAINED, STUCK TO BKN STICK AT PLACES, NUMEROUS FRACTURES WITH CALCITE, POLISHED FRACTURES BEDDING ANGLES DIFFICULT TO DETERMINE		
21.94	23.44		1.50	0 SLST	MED DK GY, NUMEROUS FRACTURES WITH CALCITE, VERY BROKEN STICK		
23.44	27.62		4.18	0 SLST	MED GY, BKN STICK, NUMEROUS FRACTURES WITH CALCITE ALONG FRACTURES, POLISHED FRACTURES		
27.62	34.71		7.09	0 SLST	MED GY, DK VERY BKN, NUMEROUS FRACTURES WITH CALCITE, WITH HEAVILY WEATHERED ZONES, VERY BKN STICK		

CORE DESCRIPTION

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HOLE ID TW83D-315
 PROJECT TELKWA
 LOG DATE 83/06/25
 EXAMINED BY B. SANDEN

TOP	BASE SEAM	SAM NUM	THIK	% REC MAJ MINOR	DETAIL	DEPTH	C.B.A.
34.71	35.31		.60	0 SLST	MED GY - DK, BKN STICK, WITH CALCITE HEELS	34.91	55
35.31	35.51		.20	0 SLST	AS ABOVE BUT WITH IRONSTONE		
35.51	36.01		.50	0 SLST	MED GY BKN STICK, POLISHED FRACTURES		
36.01	36.31		.30	0 SS2	MED GY SANDSTONE WITH CALCITE ALONG FRACTURES		
36.31	36.91		.60	0 SLST	DK GY, BKN STICK TO VERY BKN WITH CALCITE ALONG FRACTURES	40.81	75
36.91	37.00		.09	0 SLST SS1	FINE GRAINED SANDSTONE, LIGHT GREEN IN COLOUR, SLST AS ABOVE		
37.00	38.51		1.51	0 SLST	DK GY, VERY BKN STUCK, POLISHED ALONG FRACTURES WITH CALCITE IN FRACTURES		
38.51	39.11		.60	0 SS2 SLST	MED GRAINED, LT GY SS2 WITH IRONSTONE CLASTUS, SLST HAS CALCITE ALONG FRACS	38.91	55
39.11	40.65		1.54	0 SLST SS1	AS ABOVE		
40.65	41.15		.50	0 SLST	LT GY, CALCITE ALONG FRACS AND TRACES, GOOD STUCK		
41.15	42.07		.92	0 SS1 SLST	SLST INTERBEDDED WITH LT GY MED GRAINED SANDSTONE, SOME CALCITE ALONG FRACTURES, SLST IS DK GY, VERY BKN CORE	41.65	71

CORE DESCRIPTION

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HOLE ID TW83D-315
 PROJECT TELKWA
 LOG DATE 83/06/25
 EXAMINED BY B. SANDEN

TOP	BASE SEAM	SAM NUM	THIK	% REC MAJ MINOR	DETAIL	DEPTH	C.R.A.
42.07	44.30		2.23	0 SS1 SLST	MED GY TO LT GREEN SANDSTONE SS1 INTERBEDDED DK GY/BLACK SLST.	44.20	78
					FEW CLASTUS OF IRONSTONE PRESENT WITH SOME CALCITE ALONG FRACTURES. SLST IS HIGHLY POLISHED ALONG FRACTURES. BKN STICK	44.50	82
44.30	44.60	575	.30	67 COAL	RECOVERY 0.20/0.30=67%. H.W./F.W. NO CONTACT. CLEAN COAL, THIN BANDS COAL, SOME THICK BANDS, CORE BKN GROUND AND WASHED IN APPEARANCE. PHYSICAL SEPARATION FROM H.W./F.W. INDETERMINED		
44.60	47.41		2.81	0 SLST	BKN STICK, DK GY, POLISHED FRACTURES WITH MINOR CALCITE INCLUSIONS IN FRACTURES, 18 CM COALY BAND AT 46.51 METERS	47.41	72
47.41	53.05		5.64	0 SLST	BROKEN STICK, MED/DK GY, POLISHED FRACTURES, MINOR CALCITE INCLUSIONS IN A FEW FRACTURES	48.00	75
						50.90	78
53.05	55.62		2.57	0 SLST	SAME AS 47.41		
55.62	56.40 7	576	.78	89 COAL	BADLY BKN CORE. H.W./F.W. NO CONTACT		
					SEMI-LUSTEROUS WITH THIN BANDS, CLEAN COAL, LOWER 20 CM OF SEAM, DULLER AND SLIGHTLY DIRTIER, RECOVERY -		

CORE DESCRIPTION

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HOLE ID		TW83D-315		CORE DESCRIPTION				03/07/84	
PROJECT		TELKWA							
LOG DATE		83/06/25							
EXAMINED BY		B. SANDEN							
TOP	BASE SEAM	SAM NUM	THIK	% REC MAJ	MINOR	DETAIL	DEPTH	C.B.A.	
						70/78=89%			
56.40	58.78		2.38	0	SLST	SAME AS 55.62			
58.78	61.76		2.98	0	SLST SS1	BKN CORE, MED/DK GY, POLISHED FRACTURES, MINOR CALCITE HEELS AND INCLUSIONS OF CALCITE IN FRACTURES, MINOR INTERBEDDING WITH SS1			
61.76	62.02		.26	0	SLST SS1	SS1 INTERBEDDED WITH SILTSTONES, WITH MICA ALSO INTERBEDDED			
62.02	62.88		.86	0	SS1 SLST	LT GREEN SS1 WITH THIN (MM) INTERBEDDED, DK GY SLST, MED STICK	62.68	75	
62.88	63.26	6	.38	0	COAL	PARTIAL COAL SAMPLE RECOVERED, LUSTERIOUS CLEAN CRUSHED COAL			
63.26	63.60		.34	0	MDST				
63.60	63.68	6	.08	0	COAL				
63.68	63.84		.16	0	MDST				
63.84	64.24	6	.40	0	COAL				
64.24	64.86		.62	0	CLAY	HIGHLY WEATHERED/CRUMBLY CORE			
64.86	65.44	6	.58	51	COAL	VITRAIN BANDING CLEAN, MAINLY			

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-315
 PROJECT TELKWA
 LOG DATE 83/06/25
 EXAMINED BY B. SANDEN

TOP	BASE	SEAM	SAM NUM	THIK	% REC	MAJ	MINOR	DETAIL	DEPTH	C.B.A.
								LUSTROUS, BROKEN. HANGWALL/FOOTWALL - NO CON TACT. RECOVERED 80CM/1.5BCM = 51%		
65.44	65.84			.40	0	MDST				
65.84	66.42	6	577	.58	51	COAL	AS ABOVE			
66.42	68.00			1.58	0	SLST	BKN STUK, MED/DK GY, MINOR POLISHING OF FRACTURES, MINOR CALCITE INCLUSIONS ALONG FRACTURES	67.00	85	
68.00	71.80			3.80	0	SLST SS1	MED GY/DK SLST WITH THIN (MM) INTERBEDDED SS1 - LT GY IN COLOUR MED STICK	68.70	85	
								71.40	86	
71.80	75.28			3.48	0	SLST SS1	DK GY SLST WITH THIN (MM) INTERBEDDED SS1 - LT GY IN COLOUR, GOOD STICK SOME CALCITE AND HEELS ALONG FRACTURES - WITH IRONSTONE BANDS (MM TO 10 CM) IN THE LAST 1 METER OF HOLE 74.28 TO 75.28	74.18	82	
75.28	75.60			.32	0	SLST	DK GY SILTSTONE WITH VERY MINOR CALCITE HEELS AND SOME CALCITE ALONG FRACTURES, FRACTURES POLISHED FROM 75.28 TO 76.08			
75.60	81.40			5.80	0	SLST	DK GY SLST WITH IRONSTONE BANDS INTERBEDDED (MM) TO 10			

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-315
PROJECT TELKWA
LOG DATE 83/06/25
EXAMINED BY B. SANDEN

TOP	BASE	SEAM	SAM NUM	THIK	% REC MAJ	MINDR	DETAIL	DEPTH	C.B.A.
							CM IN SECTIONS MED TO GOOD STICK END OF HOLE		

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-316

PROJECT TELKWA

LOG DATE 83/06/26

EXAMINED BY J. EISENMAN

TOP	BASE SEAM	SAM NUM	THIK	% REC MAJ MINOR	DETAIL	DEPTH	C.B.A.
.00	4.98		4.98	0 DB	NOT CORED		
4.98	5.18		.20	100 CLAY	REC: 0.20 M, GY, WEATHERED SLST		
5.18	6.65		1.47	82 SLST	GY, R1, CRUMBLES UNDER LIGHT PRESSURE, REC: 1.20 M, 4 CM CALCITE BAND 20 CM FROM BTM OF SLST		
6.65	10.45		3.80	100 SS1	GREEN, MICACEOUS, R1, BKN STICK, REC: 3.80 M, MINOR COAL TRACES, POORLY DEV BEDDING		
10.45	11.60		1.15	100 SS1	ARGILLACEOUS, GY, R1, BKN, MINOR COAL TRACES, SOME THIN BEDDING IS VISABLE, REC: 1.15 M	11.40	71
11.60	12.52	10	.92	60 COAL	REC: 0.55 M, MAINLY LUSTEROUS, THINLY BANDED, VITRAIN BANDS, CLEAN, NO CONTACTS WITH F.W. OR H.W. DUE TO LC	12.30	69
12.52	19.12		6.60	100 SS1	ARGILLACEOUS, GY, R1, LAMIN, COAL TRACES, BKS ALONG BEDDING, SEVERAL 2 CM IRONSTONE BANDS, REC: 6.6 M	12.70	70
						16.90	66
						17.60	72
						19.00	71

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-316
 PROJECT TELKWA
 LOG DATE 83/06/26
 EXAMINED BY J. EISENMAN

TOP	BASE	SEAM	SAM NUM	THIK	% REC MAJ MINOR	DETAIL	DEPTH	C.B.A.
19.12	21.60			2.48	54 SLST	DK GY, MICACEOUS, COAL TRACES, BADLY BKN, LAMIN, REC: 1.35 M		
21.60	22.59	9		.99	0 COAL	LOST COAL		
22.59	24.22			1.63	83 SLST	DK GY, CRUMBLES EASILY, COAL TRACES, REC: 1.36 M, LOWER 5 CM COALY		
24.22	25.17	8	579	.95	86 COAL	REC: 0.89 M, MAINLY LUSTEROUS WITH NUMEROUS THIN VITRAIN BANDS, VERY CLEAN COAL, H.W. CONTACT - VISUAL: POOR PHYSICAL: GOOD	24.50	69
25.17	25.19		579	.02	86 PYRT	BAND OF SMALL PYRITE CRYSTALS. THIS BAND IS WITHIN A STICK OF COAL - NO LC SEE LARGE RESPONSE ON BRD, YELLOW GY COLOR		
25.19	26.80	8	579	1.61	0 COAL	THINLY BANDED, LUSTEROUS, CLEAN, REC: 1.30 M, NO CLEAR F.W. CONTACT	25.60	69
26.80	31.05			4.25	94 SLST SS1	INTERBEDDED, LAMIN, R2, GY, REC: 4.00 M		
31.05	31.69			.64	100 SS2	COAL TRACES, GY, R2, THINLY BEDDED BUT POORLY DEV, REC: 0.64 M	31.30	66
31.69	37.91			6.22	103 SLST SS1, SS2	INTERBEDDED, MAINLY THINLY BEDDED, R2, 1 POLISHED FRAC AT 37.5 M. REC: 6.4 M, BKN	35.80	67

CORE DESCRIPTION

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HOLE ID TW83D-316
 PROJECT TELKWA
 LOG DATE 83/06/26
 EXAMINED BY J. EISENMAN

TOP	BASE	SEAM	SAM NUM	THIK	% REC MAJ MINOR	DETAIL	DEPTH	C.B.A.
37.91	38.36			.45	100 SS2	GY, REC: 0.45 M, STICK, 9 CM IRONSTONE BAND IN MIDDLE.	40.20	67
						CALCITE HEALED FRACS, R3		
38.36	42.95			4.59	103 SLST SS1, SS2	INTERBEDDED, 50% SLST, GY, THINLY BEDDED, REC: 4.72 M, MINOR COAL TRACES.	41.50	67
						MICACEOUS	42.60	68
42.95	43.20			.25	60 COAL	REC: 0.15 M, LUSTEROUS, CLEAN		
43.20	48.75			5.55	100 SLST SS1	INTERBEDDED, LAMIN, R1-R2, 75% SLST BKN, REC: 5.55 M	47.50	70
48.75	50.06	7	580	1.31	89 COAL	BKN, MAINLY LUSTEROUS, BANDED NUMEROUS THIN VITRAIN BANDS - SOME WITH	48.30	70
						PYRITE ALONG CLEAVAGE, CLEAN COAL, REC: 1.17 M.	49.10	62
						H.W. SEPARATION - VISUAL: GOOD PHYSICAL: POOR, NO F.W. CONTACT	49.50	60
50.06	53.83			3.77	95 SLST SS1	INTERBEDDED, 90% SLST, DK GY, POORLY DEV BEDDING, BKS UP VERY EASILY, R1, REC: 3.6 M, 30 CM BAND HIGH CALCITE CONTENT - SHELTER FRAGS AT 51.6 M	51.20	68
53.83	54.27			.44	100 SS2	GREEN AND GY, MINOR BIO-TURBATION, X BEDDING, LAMIN, R2, REC: 0.44 M		
54.27	54.72	7	581	.45	67 COAL	BKN, NO CONTACTS, LUSTER, THINLY BANDED, REC: 0.30 M	54.60	69

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-316
 PROJECT TELKWA
 LOG DATE 83/06/26
 EXAMINED BY J. EISENMAN

TOP	BASE SEAM	SAM NUM	THIK	% REC MAJ	MINOR	DETAIL	DEPTH	C.B.A.
54.72	55.56		.84	93	SLST	REC: 0.78, DK GY, R1, COAL TRACES THROUGHOUT		
55.56	55.71 7		.15	67	CDAL	BRT, CLEAN, REC: 0.10 M	55.60	68
55.71	56.72		1.01	100	SLST CARBONACEOUS	DK GY, THINLY LAMIN, PYRITE BLEBS, LOWER 10 CM VERY COALY, R1, REC: 1.01 M	56.40	65
56.72	57.35 7	582	.63	71	COAL	BKN, LUSTEROUS, BANDED, CLEAN, REC: 0.45 M, NO H.W. CONTACT, F.W. CONTACT - VISUAL: POOR PHYSICAL: POOR	56.90	61
57.35	57.54		.19	100	MDST COALY, POLISHED FRAC	BLACK, REC: 0.19 M		
57.54	57.93		.39	100	MDST POLISHED FRAC	LOWER 30 CM VERY COALY, REC: 0.39 M		
57.93	58.05 7		.12	100	CDAL	3 CM VITRAIN BAND, REMAINDER IS DULL, DIRTY, REC: 0.12 M, BLACK	58.00	71
58.05	58.13		.08	100	MDST CARBONACEOUS	BKN, REC: 0.08 M		
58.13	61.38		3.25	100	SLST CARBONACEOUS	DK GY, BKN STICK, POORLY DEV BEDDING, R1, 20 CM IRONSTONE BAND R3, REC: 3.25 M, 3 1 CM PYRITE BLEBS 10 CM FROM BTM OF UNIT	59.00	72
61.38	62.56 7	583	1.18	89	COAL	NO F.W. OR H.W. CONTACTS, BKN STICK, LOWER 10 CM HAS CALCITE ALONG FRAC, COAL IS HARD, MAINLY A	61.70	70

CORE DESCRIPTION

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TOP	BASE	SEAM	SAM NUM	THIK	% REC MAJ	MINOR	DETAIL	DEPTH	C.B.A.
							SEMI-LUSTEROUS COAL WITH THIN VITRAIN BANDS, GENERALLY A CLEAN COAL, UPPER 4 CM DIRTY, REC: 1.05 M		
62.56	69.88			7.32	102	SLST SS1	DK GY, INTERBEDDED, 70% SLST, LAMINATED, COAL TRACES THROUGHOUT, R2, MAINLY BKN STICK, 2 3 CM	65.50	68
							IRONSTONE BANDS, 1 10 CM IRONSTONE BAND, REC: 7.5 M	68.30	70
69.88	72.70	6	584	2.82	83	COAL	IS UNIFORMLY LUSTEROUT/METALLIC WITH THIN VITRAIN BANDS, BROKEN, CLEAN. REC: 2.35 M, H.W. CONTACT - VISUAL: POOR PHYSICAL: FAIR	71.80	70
							F.W. CONTACT - VISUAL: POOR PHYSICAL: POOR		
72.70	73.58			.88	91	SLST COALY	DK GY/BLACK, COALY THROUGHOUT WITH UPPER 30 CM VERY COALY - 2 3 CM COAL BANDS, NO BEDDING, R1, REC: 0.80 M, PYRITE BAND AND BLEBS IN UPPER 20 CM	72.90	66
73.58	75.49	6	585	1.91	89	COAL	MAINLY A DULL/SEMI-LUSTEROUS COAL WITH THIN VITRAIN BANDS, SOME BKN STICK REMAINDER BKN, REC: 1.70 M, H.W. SEPARATION: VISUAL: GOOD PHYSICAL: FAIR, F.W. SEPARATION - VISUAL: FAIR PHYSICAL: FAIR, SOME CALCITE ALONG CLEAVAGE	74.60	70
								75.20	65
75.49	87.48			11.99	98	SS1 SLST	INTERBEDDED, 70% SS, R2, GY	76.50	68

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-316
 PROJECT TELKWA
 LOG DATE 83/06/26
 EXAMINED BY J. EISENMAN

TOP	BASE	SEAM	SAM NUM	THIK	% REC	MAJ	MINOR	DETAIL	DEPTH	C.B.A.
								AND DK GY. MINOR BIO-TURBATION,		
								BEDDING IS MAINLY CONVOLUTED,	83.10	67
								UPPER 50 CM IS MAINLY SLT.		
								REC: 11.80 M	86.00	69

Printed on the Xerox 8700 E.P.S

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-317
 PROJECT TELKWA
 LOG DATE 83/06/30
 EXAMINED BY J. EISENMAN

TOP	BASE SEAM	SAM NUM	THIK	% REC MAJ	MINOR	DETAIL	DEPTH	C.B.A.
.00	3.05		3.05	0	0B			
3.05	14.32		11.27	0	SLST	MED DK GY, BKN, VERY THINLY BEDDED, R1 SOME SOFT WEATHERED SECTIONS. REC: 3.45 M	10.80	42
14.32	18.57		4.25	0	SS2 SLST	INTERBEDDED, SLST BANDS ARE RIPPLED AND IRREGULAR. BIO-TURBATION, MINOR COAL TRACES, R1, GY, SLST - DK GY, REC: 4.20 M		
18.57	31.80		13.23	0	SLST	DK GY, R1-R2, MAINLY STICK AND BKN STICK, SANDY, OCCASIONAL MDST CLASTS. MINOR COAL TRACES, GENERALLY POORLY DEVELOPED BEDDING WITH SOME MINOR BANDING, REC: 13.1 M		
31.80	50.90		19.10	0	SLST SS1 INTERBEDDED	DK GY WITH GY BANDS, 85% SLST, 1-12 CM IRONSTONE BAND, SEVERAL THIN < 4 CM IRONSTONE BANDS, R1, MAINLY BKN CORE, SEVERAL THIN CALCITE HEALED FRACTURES, REC: 18.7 M	37.20	71
50.90	51.04		.14	0	IRST	DK GY AND IRONSTAINED, R3	41.30	74
51.04	54.70		3.66	0	SLST POLISHED AT 53.95 M	DK GY, R1, MIDDLE 40 CM WEATHERED, BKN, SOME THIN BEDDING, SEVERAL THIN IRONSTONE BANDS, REC: 3.3	47.80	69

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-317
 PROJECT TELKWA
 LOG DATE '83/06/30
 EXAMINED BY J. EISENMAN

TOP	BASE	SEAM	SAM NUM	% REC MAJ MINOR			DETAIL	DEPTH	C.B.A.
				THIK	REC	MAJ			
54.70	55.05			.35	0	MDST	DK GY, CRUMBLES UNDER LIGHT PRESSURE, REC: 0.35 M	49.60	68
55.05	56.00			.95	0	SS1 SILTY	BADLY BROKEN, RO, MICACEOUS; RECOVERED 0.60		
56.00	56.58	10	605	.58	59	COAL	BKN, NO CONTACTS LC, BRT BANDED, CLEAN, REC: 0.34 M	56.40	71
56.58	58.79			2.21	0	SLST	DK GY, BKN, R1, REC: 1.37 M	61.20	46
58.79	60.85			2.06	0	SS1	GREEN/GY, BKN, RO, REC: 2.06 M	61.60	46
60.85	61.00			.15	0	SLST COALY	BLACK, REC: 0.15 M	62.50	41
61.00	65.94			4.94	0	SS1	GY, SEVERAL THIN < 4 CM IRONSTONE BANDS, R1, BKN STICK, UPPER 30 CM SILTY, REC: 5.1 M	64.80	71
65.94	72.76			6.82	0	SLST	MINOR SS1 BANDING, DK GY, LOWER 60 CM WEATHERED, REC: 4.3 M	66.20	75
72.76	73.19	9	606	.43	30	COAL	DULL BANDED, BKN, REC: 0.13 M, NO CONTACTS - LC	68.80	74
73.19	74.16			.97	0	SLST	DK GY, RO, REC: 0.49 M, APPEARS WEATHERED		

CORE DESCRIPTION

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 EXAMINED BY J. EISENMAN

TOP	BASE	SEAM	SAM NUM	THIK	% REC	MAJ	MINOR	DETAIL	DEPTH	C.B.A.
74.16	74.80	8	607	.64	59	COAL		BADLY BKN AND CRUSHED, 1 CM PYRITE BAND 9 CM FROM BTM, COAL IS MAINLY BRT, SOME POLISHED SURFACES, REC: 0.37 M	75.00	69
74.80	84.18			9.38	0	SLST	SS1	INTERBEDDED, GY AND DK GY, BKN, 60% SLST, SEVERAL THIN IRONSTONE BANDS, R1, REC: 9.1 M	76.20	70
84.18	85.51			1.33	0	SS1		GRAIN SIZE INCREASES TO SS2 AT BTM, GY, SEVERAL IRONSTONE BANDS < 3 CM, EXCEPT FOR A FEW THIN SLST BANDS THERE IS NO BEDDING, REC: 1.33 M	82.30	84
85.51	88.52			3.01	0	SLST	SS1 POLISHED FRAC	INTERBEDDED, 60% SLST, R1, BKN, REC: 2.9 M, SOME SECTIONS ARE VERY THINLY BEDDED OTHERS ARE POORLY DEVELOPED	87.70	83
88.52	88.81			.29	0	COAL		BADLY BKN, BRT BANDED, REC: 0.10 M		
88.81	91.92			3.11	0	SLST	SLICKENSIDED AT 90.3, SS1	BKN, 14 CM IRONSTONE BAND, R1, DK GY, SOME THIN SS1 BANDS, REC: 2.95 M	89.00	84
91.92	92.79	7	608	.87	20	COAL		BADLY BKN, MAINLY DULL/DIRTY, REC: 0.18 M		
92.79	92.82			.03	0	PYRT	COALY	DK YELLOW TO BLACK, R2		
92.82	93.11	7		.29	59	COAL		F.W. CONTACT - VISUAL: FAIR	94.70	80

CORE DESCRIPTION

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TOP	BASE SEAM	SAM NUM	THIK	% REC MAJ MINOR	DETAIL	DEPTH	C.B.A.
					PHYSICAL: FAIR, MAINLY DULL, BKN, REC: 0.17 M		
93.11	96.56		3.45	0 SLST 551	DK GY, 5 THIN < 3 CM IRONSTONE BANDS, 90% SLST, REC: 3.4 M		
96.56	97.36		.80	0 552	GREEN, REC: 0.80 M, R1-R2, SEVERAL THIN SLST LAYERS		
97.36	97.54 7		.18	56 COAL	BKN, BRT BANDED, REC 0.10 M		
97.54	97.90		.36	0 SLST	DK GY, RO, REC: 0.31 M		
97.90	98.04 7		.14	77 COAL SLICKENSIDED	BKN, MAINLY DULL, REC: 0.10 M		
98.04	98.42		.38	0 MDST COALY	BADLY BKN, DK GY		
98.42	98.66 7		.24	0 COAL	PROBABLY COAL - NO TRACE OF COAL IN CORE		
98.66	99.56		.90	0 MDST	PROBABLY COAL, NO TRACE IN CORE		
99.56	100.10 7		.54	0 COAL	SOME THIN SLST LAYERS, 1 5 CM PYRITE BLEB, DK GY, BADLY BKN, FROM 98.04 - 102.92, REC: 3.90/4.93 M		
100.10	102.97		2.87	0 MDST			
102.97	103.50 7	609	.53	25 COAL SLICKENSIDES	MAINLY LUSTEROUS, BADLY BKN,		

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TOP	BASE SEAM	SAM NUM	THIK	% REC MAJ MINOR			DETAIL	DEPTH	C.B.A.
							REC: 0.13 M		
103.50	104.75		1.25	0	SLST		DK GY, BADLY BKN, 2 CM CLAY BAND AT TOP, REC: 1.25 M	.00	78
104.75	108.81		4.06	0	SS1		GY, R1, REC: 4.4 M		

Printed on the Xerox 9700 EPS

CORE DESCRIPTION

03/07/84

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 LOG DATE 83/06/27
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TOP	BASE SEAM	SAM NUM	THIK	% REC MAJ	MINOR	DETAIL	DEPTH	C.B.A.
.00	11.20		11.20	0	08			
11.20	14.32		3.12	0	CLAY GRAVEL	REC: 0.23 M		
14.32	17.37		3.05	0	SLST SS1	SLST WITH SS1 INTERVALS, DK GY, R1-R2, BKN, REC: 1.35 M		
17.37	19.72		2.35	0	SS2	GY, BKN STICK, MINOR COAL TRACES, R2, REC: 2.16 M, POORLY DEV BEDDING		
19.72	25.56		5.84	0	SS1	ARGILLACEDUS, GY - DARKER THAN ABOVE SS, SOME SLST LAYERS, R1, BEDDING IS MAINLY RIPPLED AND CONVOLUTED, REC: 5.8 M, MINOR COAL TRACES	24.10	75
25.56	39.25		13.69	0	SLST	DK GY, R1, SOME STICK, MINOR COAL TRACES, POORLY DEV BEDDING, SANDY TOWARDS BTM, REC: 13.0 M, TOWARDS BTM BECOMES R2, 15 CM SS2 BAND AT 30.7 M	26.40	76
39.25	46.88		7.63	0	SS2	GY, MINOR COAL TRACES, POORLY DEVELOPED BEDDING, 2 CM IRONSTONE BLEB WITH 2 MM PYRITE LAYER SURROUNDING GRADES INTO SS1 AT BTM, REC: 7.63 M, R2	44.10	76
46.88	61.94		15.06	0	SLST	DK GY, SOME STICK CORE, MAINLY MASSIVE, COAL TRACES, SEVERAL CALCITE HEALED FRACS, SEVERAL 0.5-3 CM SLST CONCRETIONS - SLIGHTLY LIGHTER GY.	53.00	75
							55.00	72

CORE DESCRIPTION

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TOP	BASE	SEAM	SAM NUM	THIK	% REC	MAJ	MINOR	DETAIL	DEPTH	C.B.A.
46.88	61.94			15.06	0	SLST		R1-R2, REC: 15.06 M	59.80	73
61.94	75.25			13.31	0	SS1	SS2	VERY SILTY, GY AND DK GY, R2 SEVERAL IRONSTONE BANDS < 5 CM - R3,	69.60	71
								MINOR COAL TRACES, MAINLY STICK, POORLY DEV BEDDING, REC: 13.4 M	72.60	73
									75.20	74
75.25	83.73			8.48	0	SLST	SS1	INTERBEDDED, 80% SLST AT TOP DECREASING TO 40% TOWARDS BTM, RIPPLED/IRREGULAR BEDDING, R2, BKN STICK, SEVERAL IRONSTONE BAND < 4 CM, REC: 8.4 M		
83.73	87.43			3.70	0	SS2		GY, DIRTY, R2, BKN STICK, SOME THIN SLST LAYERS, NO BEDDING, REC: 3.7 M		
87.43	87.57			.14	0	COAL		MAINLY DULL/DIRTY WITH SOME VITRAIN BANDING, CALCITE THROUGHOUT, REC: .74 M	87.50	72
87.57	89.08			1.51	0	SLST	CARBONACEOUS	BLACK, BKN STICK, R2, REC: 1.51 M, THIN SS1 LAYERS	88.10	75
89.08	89.73			.65	0	SS1		GY, SILTY, R2, REC: 0.56 M	89.20	73
89.73	91.97	1	600	2.24	80	COAL		BKN, MAINLY LUSTEROUS, SOME VITRAIN BANDING, CLEAN, SEVERAL ZONES WITH CALCITE ALONG CLEAVAGE, PARTING ON BRD LOG FROM 91.64-91.70 M IS NO APPARENT IN CORE: THERE IS		

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-318
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 LOG DATE 83/06/27
 EXAMINED BY J. EISENMAN

TOP	BASE	SEAM	SAM NUM	THIK	% REC MAJ MINOR	DETAIL	DEPTH	C.B.A.
						HOWEVER A 2 CM PYRITIC BAND 15 CM FROM BTM		
						WITH BKN COAL BETWEEN, REC: 1.80 M, NO H.W. CONTACT - LC, F.W. CONTACT - VISUAL: POOR PHYSICAL: POOR		
91.97	92.28			.31	0 MDST COALY	BLACK, R2, REC: 0.28 M, 2 CM PYRITE BAND AT 92.24 M	92.20	72
92.28	95.06	1	601	2.78	52 COAL	BADLY BKN, LUSTEROUS WITH VITRAIN BANDS, NO F.W. OR H.W. CONTACTS - LC, SOME CALCITE ALONG CLEAVAGE, REC: 1.45 M	95.00	75
95.06	95.22			.16	0 SLST COAL, SLICKENSIDED	BLACK, 1 CM COALY PYRITE BAND, REC: 0.10 M		
95.22	96.54			1.32	0 SLST CARBONACEOUS	DK GY, R2, BKN STICK	95.60	71
96.54	96.68	1		.14	0 COAL	BRIGHT BANDED, CLEAN, REC: 0.14 M		
96.68	96.80			.12	0 MDST COALY	DK GY - BLACK, MAINLY R2, 1 5 CM BAND IN CENTRE, R3		
96.80	96.83	1		.03	0 COAL	VITRAIN BAND, REC: 0.03 M		
96.83	97.18			.35	0 SLST CARBONACEOUS	DK GY, R2, NO BEDDING, REC: 0.35 M		
97.18	98.32	1	602	1.14	96 COAL	SOME STICK CORE, CALCITE ALONG CLEAVAGE THROUGHOUT, LUSTEROUS WITH NUMEROUS	98.10	70

CORE DESCRIPTION

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HOLE ID TW83D-318
 PROJECT TELKWA
 LOG DATE 83/06/27
 EXAMINED BY J. EISENMAN

TOP	BASE	SEAM	SAM NUM	THIK	% REC MAJ	MINOR	DETAIL	DEPTH	C.B.A.
97.18	98.32	1	602	1.14	96	COAL	VITRAIN BANDS, VERY CLEAN COAL, LOWER 13 CM DULL AND DIRTIER THAN ABOVE, H.W. CONTACT - VISUAL: FAIR PHYSICAL: FAIR F.W. CONTACT - VISUAL: POOR PHYSICAL: POOR, REC: 1.10 M		
98.32	98.40			.08	0	MDST	DK GY. COALY, REC: 0.08 M		
98.40	98.56			.16	0	MDST COALY	DK GY/BLACK, REC: 0.15 M, R1-R2		
98.56	101.93			3.37	0	SLST POLISHED FRAC	DK GY, R2, NO BEDDING, REC: 3.04 M, COAL TRACES THROUGHOUT		
101.93	102.71			.78	0	SS2	REC: 0.78 M, GY, R2, 8 CM IRONSTONE BAND	102.60	80
102.71	103.22			.51	0	SLST	DK GY, MINOR COAL TRACES, 1 10 CM AND 13 CM IRONSTONE BAND, COALY AT BTM, REC: 0.92 M, NO BEDDING		
103.22	103.94	1	603	.72	92	COAL	MAINLY DULL TO SEMI-LUSTEROUS, 7 CM COALY MDST BAND, BEGINNING 23 CM FROM BTM, REC: 0.66 M, 2 CM SS1 BAND AT 103.29 M, H.W. CONTACT - VISUAL: POOR PHYSICAL: POOR, NO F.W. CONTACT		
103.94	105.30			1.36	0	SLST COALY	BLACK, NO BEDDING, R2, REC: 1.00 M	104.30	80
105.30	106.85			1.55	0	SS1	SILTY, CARBONACEOUS, BTM 20 CM		

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 PROJECT TELKWA
 LOG DATE 83/06/27
 EXAMINED BY J. EISENMAN

TOP	BASE SEAM	SAM NUM	THIK	% REC	MAJ	MINOR	DETAIL	DEPTH	C.R.A.
							IRONSTONE, NO BEDDING, REC: 1.55 M		
106.85	108.10		1.25	0	SLST		DK GY, SEVERAL 1 CM VITRATN BANDS, REC: 1.22 M, NO BEDDING	107.00	76
108.10	108.36	1	.26	0	COAL		DULL, DIRTY, 2 2 CM CALCITE BANDS, REC: 0.11 M		
108.36	108.68		.32	0	SLST	CARB, POLISHED FRAC	DK GY, UPPER HALF BKN, REC: 0.24 M		
108.68	109.54	1	.86	81	COAL		DULL, INCREASINGLY DIRTY TOWARDS BTM, REC: 0.70 M, F.W. AND H.W. CONTACTS ARE VISUALLY FAIR, PHYSICALLY POOR		
109.54	110.02		.48	0	SLST	CARBONACEOUS	DK GY, SANDY, NO BEDDING, REC: 0.48 M		
110.02	113.32		3.30	0	SS2	CARBONACEOUS	STICK CORE, MED DK GY, MED BEDDED, R2, REC: 3.3 M	113.30	75
113.32	117.96		4.64	0	SLST		DK GY, THICKLY LAMIN, REC: 4.3 M, COAL TRACES, R2	114.50	73

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HOLE ID TW83D-319
 PROJECT TELKWA
 LOG DATE 83/06/28
 EXAMINED BY J. KNUTSON

TOP	BASE SEAM	SAM NUM	THIK	% REC MAJ	MINOR	DETAIL	DEPTH	C.B.A.
.00	5.20		5.20	0	OB			
5.20	6.24	10	586	1.04	38 COAL	POOR RECOVERY, BKN TOP COAL WITH POOR SEPARATION, BTM SEPARATION GOOD, DULL WITH BRIGHT VITRAIN, SOME PYRITE		
6.24	7.80			1.56	0 MDST CLAY	WEATHERED AND BKN		
7.80	9.50			1.70	0 SS1	LT GY, BKN		
9.50	12.83			3.33	0 MDST CLAY	MED GY, BKN		
12.83	14.40	9	587	1.57	78 COAL	TOP SEPARATION: FAIR (CLAY BINDER), DULL WITH BRIGHT VITRAIN AND SOME CALCITE, BOTTOM SEPARATION: GOOD		
14.40	15.36			.96	0 MDST CLAY	VERY WEATHERED, MED GY		
15.36	17.74	8	588	2.38	65 COAL VERY SOFT	TOP SEPARATION: POOR (CLAY BINDER), COAL DULL WITH BRIGHT VITRAIN, BADLY BKN CLAY STREAMER (6"), SOME CALCITE, BOTTOM SEPARATION: GOOD		
17.74	23.92			6.18	0 MDST SS1	MED GY WITH LT GY BANDS, ONE IRONSTONE BAND		
23.92	24.61			.69	0 SS1 MDST	BADLY WEATHERED WITH CLAY		

CORE DESCRIPTION

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TOP	BASE	SEAM	SAM NUM	THIK	% REC	MAJ	MINOR	DETAIL	DEPTH	C.B.A.
24.61	27.09			2.48	0	SS1		LT GY WITH A FEW DK MDST BANDS		
27.09	28.25			1.16	0	MDST		MED GY WITH SS1 AND IRONSTONE BANDS		
28.25	28.58			.33	0	SS1	MDST	WITH CLAY		
28.58	29.12			.54	0	SS1	CLAY	BADLY WEATHERED		
29.12	30.62			1.50	0	SS1	MDST	LT GY WITH DK BANDS AND CLAY		
30.62	33.02			2.40	0	MDST		LT GY WITH IRONSTONE BANDS		
33.02	37.56			4.54	0	SLST	MDST	DK GY WITH IRONSTONE BAND		
37.56	38.84	7	589	1.28	73	COAL		TOP SEPARATION: GOOD, DULL WITH BRIGHT VITRAIN AND CALCITE, BOTTOM SEPARATION: POOR, (CARBONACEOUS MDST)		
38.84	40.44			1.60	0	MDST		MED GY WITH CLAY AND IRONSTONE BANDS		
40.44	42.79			2.35	0	MDST	CLAY SLICKS	WITH SS1 BANDS AND MANY SLICKS, VERY WEATHERED AND CARBONACEOUS AT TOP OF COAL		

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TOP	BASE	SEAM	SAM NUM	THIK	% REC	MAJ	MINOR	DETAIL	DEPTH	C.B.A.
42.79	43.09	6	590	.30	100	COAL		TOP SEPARATION: POOR, CARBONACEOUS, DULL WITH BRIGHT VITRAIN, CALCITE. BOTTOM SEPARATION: FAIR, CARBONACEOUS		
43.09	43.76			.67	0	MDST CLAY		MED GY		
43.76	44.16	6	591	.40	75	COAL		TOP SEPARATION: POOR, COAL BADLY BKN, BOTTOM SEPARATION: VERY POOR (CARB)		
44.16	46.06			1.90	0	SLST MDST SLICKS		DK GY WITH LT BANDS, MANY SLICKS BADLY BKN		
46.06	46.50			.44	0	MDST CLAY		VERY WEATHERED, DK GY		
46.50	47.70			1.20	0	SLST SLICKS CLAY		MED GY WITH IRONSTONE BAND		
47.70	52.60			4.90	0	MDST CLAY SLICKS		LT GY WITH LT BANDS, IRONSTONE BAND (CLAY IS WEATHERED)		
52.60	55.21	3	592	2.61	34	COAL		TOP SEPARATION: FAIR, COAL IS BADLY BKN AND SOFT, DULL WITH BRIGHT VITRAIN. BOTTOM SEPARATION: POOR, CARBONACEOUS		
55.21	55.39			.18	0	MDST PARTING		MED GY		
55.39	55.68	3	593	.29	34	COAL		TOP SEPARATION: FAIR, BADLY BKN, BOTTOM SEPARATION: FAIR		

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TOP	BASE	SEAM	SAM NUM	THIK	% REC MAJ MINOR	DETAIL	DEPTH	C.B.A.
55.68	57.43			1.75	0 MDST SLST	MED GY, WEATHERED		
57.43	57.82	2	594	.39	96 COAL	TOP SEPARATION: FAIR, SOFT COAL		
57.82	57.98	2	594	.16	0 MDST	PARTING IS MISSING		
57.98	61.26	2	594	3.28	96 COAL MINOR CLAY STRINGERS	DULL WITH BRIGHT VITRAIN, CALCITE, BOTTOM SEPARATION: POOR, CARBONACEOUS		
61.26	70.81			9.55	0 SLST SS1 IRONSTONE	MED GY WITH LT SS1 BANDS AND IRONSTONE BANDS, CLAY		
70.81	77.80			6.99	0 SLST IRONSTONE CLAY SLICKS	DK GY WITH IRONSTONE BANDS AND CLAY BANDS		

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HOLE ID TW83D-320
 PROJECT TELKWA
 LOG DATE 83/06/26
 EXAMINED BY B. SANDEN

TOP	BASE	SEAM	SAM NUM	THIK	% REC	MAJ	MINOR	DETAIL	DEPTH	C.B.A.
.00	2.12			2.12	0	OB				
2.12	3.35			1.23	0	OB	CLAY	CLAY		
3.35	20.91			17.56	81	SLST		MED GY TO BLACK SLST, POLISHED FRACTURES, BKN STICK, WEATHERED ZONE AT 20.12 TO 20.96 M, SOME CALCITE ALONG FRACTURES, MAJORITY OF CORE HIGHLY BKN UP, DIFFICULT TO DET BED ANGLES, MED HARD, RECOVERY 14.37/17.61=81%	10.70	88
20.91	21.63			.72	88	CLAY		LT GY, CLAYEY, BKN STICK, RECOVERY=0.64/0.72=88%		
21.63	23.17			1.54	90	SLST SS1		VERY BKN STICK, LT GY, SS1 INTERBEDDED WITH SLST, HIGHLY BKN CORE, RECOVERY 1.38/1.54=90%		
23.17	25.98			2.81	95	SS1		LT GREEN, MASSIVE, FINE GRAINED, FEW COAL TRACES, GOOD STICK, FEW CALCITE INCLUSIONS ALONG FRACS, RECOVERY 2.66/2.81=95%, MED HARD SS1		
25.98	29.26			3.28	95	SS1 SLST		LT GREEN SANDSTONE INTERBEDDED WITH DK GY SLST, FEW IRONSTONE BANDS, RECOVERY 3.09/3.28=95%, GOOD TO BKN STICK	29.06	75
29.26	29.76			.50	98	SLST SS1		MED TO GY SLST, POLISHED FRACTS WITH INTERBEDDED LT GY SS1		

CORE DESCRIPTION

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HOLE ID TW83D-320
 PROJECT TELKWA
 LOG DATE 83/06/26
 EXAMINED BY B. SANDEN

TOP	BASE SEAM	SAM NUM	THIK	% REC MAJ MINDR	DETAIL	DEPTH	C.B.A.
29.76	30.36		.60	90 SS1	LT GY, MASSIVE SANDSTONE, MED HARD, MED STICK		
30.36	56.39		26.03	95 SLST SS1	MED TO DK GY SILTSTONE WITH LT GY INTERBEDDED SANDSTONE, GOOD STICK CALCITE ALONG FRACS, SOME IRONSTONE BANDING VARIES TO MASSIVE SLST/SS1 ZONES AT 49.4 M TO 50.27 M AND SLST/SS1 CORE HAS SOME CALCITE HEELS WITH POLISHED FRACTURES, GOOD TO MED STICK		
56.39	57.53		1.14	94 SS1	LT GY MASSIVE SS1, WITH CALCITE HEELS, MED HARD		
57.53	76.90		19.37	90 SLST SS1	MED GY TO BLACK SLST, INTERBEDDED WITH LT GY SS1, SOME IRONSTONE PRESENT, SLST HAS POLISHED FRACTURES	63.34	70
						69.28	88
						70.32	81
						75.10	84
76.90	79.56		2.66	98 SS1 SLST	MED HARD LT GY SS1, WITH MINOR INTERBEDDING WITH SLST, CALCITE HEELS AND CALCITE ALONG FRACTURES PRESENT, MED STICK	78.32	65
79.56	81.38		1.82	80 SLST SS1	DK BLACK SLST, HIGHLY POLISHED FRACS, MINOR SS1 (LT GY) BANDING PRESENT		
81.38	84.42		3.04	98 SS1 SLST	LT GY, MED HARD SS1 WITH MINOR		

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TOP	BASE SEAM	SAM NUM	THIK	% REC MAJ MINOR	DETAIL	DEPTH	C.B.A.
					SLST BEDDING, SOME CALCITE HEELS AND FEW POLISHED FRACTURES		
84.42	84.52		.10	0 SLST	HIGHLY CRUMBLED, VERY SANDY SLST (HIGHLY FRAC - CRUSHED) WITH SS1, LT GY		
84.52	85.04 7		.52	25 COAL NO SAMPLE TAKEN	RECOVERY 0.13/0.52=25%, H.W. AND F.W. NO CONTACT, NO SAMPLE TAKEN, SLST MIXED WITH COAL AND ALONG FRACTURE		
85.04	85.28		.24	0 SLST	CRUMBLED, VERY SANDY SLST, VERY CRUSHED		
85.28	85.72 7	610	.44	95 COAL	RECOVERY 0.40/0.42=95%, H.W. AND F.W. NO CONTACT		
85.72	86.75		1.03	0 SLST	CRUMBLED, VERY SANDY SLST, HIGHLY CRUSHED		
86.75	87.84 7	611	1.09	86 COAL	RECOVERY 0.94/1.09=86%, NO H.W. OR F.W. CONTACT		
87.84	88.13	612	.29	0 SLST	HIGHLY CRUSHED, CRUMBLED, VERY SANDY, DK SLST DISCS, HIGHLY POLISHED		
88.13	88.36 7	613	.23	82 COAL	NO CONTACT AT H.W. OR F.W., RECOVERY 0.19/0.23=82%		
88.36	89.19		.83	0 SLST SS1	LT GY SLST WITH SS1 GRAINS PRESENT		
89.19	89.58 7	614	.39	96 COAL	RECOVERY 0.28/0.29=29%, NO H.W. OR F.W. CONTACT, WITH		

CORE DESCRIPTION

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 PROJECT TELKWA
 LOG DATE 83/06/26
 EXAMINED BY B. SANDEN

TOP	BASE SEAM	SAM NUM	THIK	% REC MAJ	MINOR	DETAIL	DEPTH	C.B.A.
						BENTONITE LENS 22 MM THICK		
89.58	89.88		.30	0	SLST	LT GY, HIGHLY CRUMBLD SLST		
89.88	90.42		.54	0	SS1	LT GY SS1, SOME IRONSTONE WITH CALCITE ALONG FRACTURES		
90.42	93.57		3.15	0	SLST SS1	DK BLACK SLST, WITH LT SS1, SOME INTERBEDDING, HIGHLY POLISHED FRACS, IRONSTONE BAND WITH CALCITE HEEL AT 93.08 TO 93.26 M		
93.57	93.90		.93	0	SLST	MED TO DK GY SLST WITH POLISHED FRACS		
93.90	94.04	615	.14	78	COAL	NO H.W. OR F.W. CONTACT, RECOVERY 0.11/0.14=78%		
94.04	94.14		.10	0	SLST SAMPLED	DK GY SLST WITH POLISHED FRACS		
94.14	94.50		.36	53	COAL	NO CONTACT AT H.W. OR F.W., RECOVERY 0.19/0.36=53%		
94.50	96.27		1.77	0	SLST SS1	MED GY SLST, POLISHED FRACS, POOR STICK		
96.27	98.16 6	616	1.89	53	COAL	NO H.W. OR F.W. CONTACT, RECOVERY 1.0/1.89=53%, COAL HIGHLY PULVERIZED		
98.16	98.74		.58	0	SLST	HIGHLY CRUMBLD, MED DK SLST		

CORE DESCRIPTION

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TOP	BASE	SEAM	SAM NUM	THIK	% REC MAJ	MINOR	DETAIL	DEPTH	C.B.A.
98.74	99.31	6	617	.57	0	COAL	NO H.W. OR F.W. CONTACT, HIGHLY PULVERIZED SAMPLE, REC CALC NOT POSSIBLE		
99.31	99.64		618	.33	0	SLST	DK GY SLST, POLISHED FRACTURES		
99.64	100.50	6	619	.86	23	COAL	NO CONTACT H.W. OR F.W., RECOVERY 0.20/0.86=23%		
100.50	100.73		620	.23	0	SLST	HIGHLY CRUMBED, DK SLST, POLISHED FRACS		
100.73	101.27	6	621	.54	44	COAL	NO H.W. OR F.W. CONTACT, RECOVERY 0.24/0.54=44%		
101.27	101.45		622	.18	0	SLST	LT GY SLST		
101.45	102.14	6	623	.69	36	COAL	NO H.W. OR F.W. CONTACT, RECOVERY 0.25/0.69=36%		
102.14	108.81			6.67	0	SLST SS1	LT GY SLST WITH INTERBEDDED SS1, FEW POLISHED FRACS, BKN STICK	103.81	75
108.81	109.92			1.11	0	SS1	LT GY MASSIVE SS1, MED HARD, BKN STICK WITH IRONSTONE CLASTUS		
109.92	110.56			.64	0	SS1 SLST	LT GY, MED HARD SS1 WITH 10 MM BANDING OF DK SLST, VERY BKN STICK, CALCITE HEELS ALONG FRACS IN SS1		
110.56	111.00			.44	0	SLST	MEDIUM DARK, VERY BROKEN STICK, SILTSTONE		

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HOLE ID TWB3D-320
 PROJECT TELKWA
 LOG DATE 83/06/26
 EXAMINED BY B. SANDEN

TOP	BASE	SEAM	SAM NUM	THIK	% REC MAJ MINOR	DETAIL	DEPTH	C.B.A.
111.00	117.08			6.08	0 SS1 SLST	LT GY MED HARD SS1 WITH (MM) INTERREDDING OF SLST, MFD STICK, SOME CALCITE HEELS, WITH CALCITE ALONG BEDDING PLANES	114.91	74
117.08	117.52	3	624	.44	88 COAL	NO H.W. OR F.W. CONTACT, RECOVERY 0.39/0.44=88%		
117.52	118.28			.76	0 SLST	LT GY SLST, HIGHLY WEATHERED 117.52 TO 117.72, 117.72 TO 118.28 BKN STICK, MED GY SLST		
118.28	119.06	3	625	.78	97 COAL	RECOVERY 0.76/0.78=97%, NO H.W. OR F.W. CONTACT		
119.06	119.83			.77	0 SLST	SLST, LT GY, HIGHLY WEATHERED, COAL BAND AT 119.60 30 MM THICK		
119.83	120.14	3	626	.31	96 COAL	NO H.W. OR F.W. CONTACT, RECOVERY 0.30/0.31=96%		
120.14	120.28		627	.14	0 SLST	MED DK, SLST		
120.28	120.44	3	628	.16	97 COAL	NO H.W. OR F.W. CONTACT, RECOVERY = 97%		
120.44	121.62			1.18	0 SLST	HIGHLY WEATHERED LT GY SLST		
121.62	121.85			.23	0 SLST	LT GY SLST, CALCITE HEELS WITH IRONSTONE		
121.85	124.41			2.56	0 SLST	HIGHLY WEATHERED, CRUMBLD, LT		

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 EXAMINED BY B. SANDEN

TOP	BASE SEAM	SAM NUM	THIK	% REC MAJ MINOR	DETAIL	DEPTH	C.B.A.
					GY SLST. WITH 20 MM COAL BAND		
124.41	124.99	629	.58	83 COAL	GOOD H.W. CONTACT, NO F.W. CONTACT, RECOVERY 0.48/0.58=83%		
124.99	127.65		2.66	0 SLST	HIGHLY WEATHERED, CRUMBLD, SLST - LT GY		
127.65	128.02		.37	0 SLST	LT MED GY, MASSIVE SLST WITH CALCITE ALONG FRACS		
128.02	128.73 2	630	.71	55 COAL	NO H.W. OR F.W. CONTACT, RECOVERY 0.39/0.71=58%		
128.73	128.84		.11	0 SLST BENTONITE	CRUSHED, CRUMBLD SLST WITH BENTONITE		
128.84	129.76 2	631	.92	75 COAL	NO H.W. OR F.W. CONTACT, RECOVERY 0.69/0.92=75%		
129.76	129.90	632	.14	0 SLST	CARBONACEOUS SLST, POLISHED FRACS		
129.90	130.64 2	633	.74	88 COAL	NO H.W. OR F.W. CONTACT, RECOVERY 0.65/0.74=88%		
130.64	131.08		.44	0 SLST	CRUMBLY, LT GY SLST, CARBONACEOUS BAND 40 MM THICK FROM 130.68 - 131.08		
131.08	131.34 2	634	.26	77 COAL	NO H.W. OR F.W. CONTACT, RECOVERY 0.20/0.26=77%		
131.34	131.76		.42	0 SLST	DK BLACK, CARBONACEOUS SLST, POLISHED FRACS		
131.76	132.48		.72	0 IGNE	IGNEOUS INTRUSIVE, BRITTLE, LT		

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HOLE ID TWB3D-321
 PROJECT TELKWA
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 EXAMINED BY J. KNUTSON

TOP	BASE SEAM	SAM NUM	THIK	% REC MAJ	MINOR	DETAIL	DEPTH	C.B.A.
.00	4.57		4.57	0	DB			
4.57	7.01		2.44	59	CLAY IRONSTONE, SS1	VERY WEATHERED (RECOVERY 1.45=59%)		
7.01	8.60		1.59	100	SS1 CLAY	DULL GREEN (RECOVERY 1.59)		
8.60	10.93		2.33	58	MDST CLAY	VERY WEATHERED (RECOVERY 1.35)		
10.93	23.70		12.77	95	SS1 SLST	THIN BANDS OF SLST = 25%, (RECOVERY 12.16)		
23.70	32.04		8.34	99	SLST SS1, SLICKS	MED GY, THIN SS1 BANDS=30%, (RECOVERY 8.26)		
32.04	32.74		.70	0	SS1	LT GY		
32.74	47.85		15.11	99	SLST SS1, CLAY	LT GY WITH DK BANDS, SS1=25%, CLAY=10% (RECOVERY=15.05)		
47.85	57.13		9.28	98	SLST IRONSTONE, CLAY	MED GY WITH IRONSTONE BANDS, IRONSTONE=35%, CLAY=10% (RECOVERY=9.0)		
57.13	57.43		.30	0	SS1 CALCITE	HARD		
57.43	69.19		11.76	98	SLST MDST, SLICKS, IRST	MED GY WITH DK BANDS, MDST=20%, IRST=15%, (RECOVERY=11.5)		
69.19	78.33		9.14	97	SLST MDST, IRST, SS1	MDST=20%, IRST=10%, SS1=10%, (RECOVERY=8.9)		

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HOLE ID TW83D-321
 PROJECT TELKWA
 LOG DATE 83/06/29
 EXAMINED BY J. KNUTSON

TOP	BASE SEAM	SAM NUM	THIK	% REC MAJ MINOR	DETAIL	DEPTH	C.B.A.
78.33	81.06		2.73	99 SLST IRST, MDST, SS1, CLAY	IRON STONE BANDS=20%, MDST WEATHERED=15%, SS1=5%, CLAY=5%, MED GY WITH DK BANDS, VERY FRACTURED. (RECOVERY=2.7)		
81.06	82.03 0	595	.97	93 COAL PYRITE, CALCITE	TOP SEPARATION: FAIR BOTTOM SEPARATION: POOR, DULL WITH BRIGHT VITRAIN, CARBONACEOUS, (RECOVERY=0.90)		
82.03	82.36		.33	0 CARB CARB SHALE			
82.36	87.58		5.22	100 SS1 MDST, IRST, SLICKS	LT GY WITH MED BANDS (WEATHERED), MDST=10%, IRST=5%, (RECOVERY=5.20)		
87.58	89.60 2	596	2.02	80 COAL CLAY BOTTOM BINDER	TOP SEPARATION: FAIR, BOTTOM SEPARATION: POOR, CLAY, SOFT COAL, DULL WITH BRIGHT VITRAIN, (RECOVERY=1.62)		
89.60	89.80		.20	0 SS1	LT GY		
89.80	90.17		.37	0 CLAY	WEATHERED		
90.17	90.53 2		.36	0 COAL	LOST CORE		
90.53	90.71		.18	0 SH CARBONACEOUS	WEATHERED		
90.71	91.07 2	597	.36	31 COAL	POOR TOP AND BOTTOM		

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-321
 PROJECT TELKWA
 LOG DATE 83/06/29
 EXAMINED BY J. KNUTSON

TOP	BASE SEAM	SAM NUM	THIK	% REC MAJ MINOR	DETAIL	DEPTH	C.B.A.
					SEPARATION, (RECOVERY=0.11), SOFT WEATHERED COAL		
91.07	93.00		1.93	93 MDST SLST	MED GY, VERY WEATHERED, (RECOVERY=1.80)		
93.00	93.26 2	598	.26	100 COAL	TOP SEPARATION: FAIR, BOTTOM SEPARATION: POOR, CARBONACEOUS, DULL WITH BRIGHT VITRAIN, CALCITE, (RECOVERY=0.26)		
93.26	93.44		.18	0 MDST SLICKS	PARTING, CARBONACEOUS		
93.44	94.00 2	599	.56	64 COAL	TOP SEPARATION: FAIR, BOTTOM SEPARATION: FAIR, DULL WITH BRIGHT VITRAIN, (RECOVERY=0.36)		
94.00	99.67		5.67	97 SLST IRST, SS1, CALCITE	LT GY WITH THIN BANDS, IRST=10%, SS1=10%, (RECOVERY=5.50)		
99.67	105.76		6.09	98 SLST IRST, SS1, MDST	MED GY, IRST=10%, SS1=10%, MDST=5%, (RECOVERY=6.05)		
105.76	111.86		6.10	99 SLST IRST, SS1	DK GY, IRST=5%, SS1=5%, (RECOVERY=6.0)		
111.86	124.05		12.19	93 SLST MDST	MED GY, MDST=10%, (RECOVERY=12.0)		

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-322
 PROJECT TELKWA
 LOG DATE 83/07/03
 EXAMINED BY B. SANDEN

TOP	BASE	SEAM	SAM NUM	THIK	% REC	MAJ	MINOR	DETAIL	DEPTH	C.B.A.
.00	6.78			6.78	0	OB				
6.78	28.96			22.18	94	SLST		LIGHT GREY, FINE GRAINED, BROKEN STICK WITH MAJORITY OF STICK "HIGHLY CRUMBLER" POORLY DEVELOPED BEDDING. IRONSTONE BANDS WITH OCCASIONAL CALCITE FILLED FRACTURED HEELS. IRONSTONE BAND AT 17.00 TO 17.24 METRES, OTHER BANDS 5.8MM THICK. RECOVERY 20.88/22.18 = 94%		
28.96	37.40			8.44	94	SLST		GREY/BLACK, FINE GRAINED; BROKEN STICK, MASSIVE WITH OCCASIONAL PEBBLED FRACTURES; IRONSTONE BAND OF 5MM AT 3.20M DEPTH; BANDS OF "HIGHLY CRUMBLER" SILTSTONE ALSO PRESENT, FINE GRAINS OF SANDS PRESENT THROUGHOUT, MOST OF CORE. RECOVERY 7.9/8.44 = 94%		
37.40	39.51			2.11	89	IRST		LIGHT GREY/BROWN, MANY INCLUSIONS OF CALCITE/CALCITE HEALED. RECOVERY 1.88/2.11 = 89%		
39.51	41.11			1.60	0	SLST SS1		DARK BLACK, FINE GRAINED SILTSTONE, SOME POLISHED FRACTURES WITH LIGHT GREY /BROWN SS1.		
41.11	41.46			.35	0	SLST SS1		AS ABOVE BUT WITH IRONSTONE BAND WITH HEAVY CALCITE		

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-322

PROJECT TELKWA

LOG DATE 83/07/03

EXAMINED BY B. SANDEN

TOP	BASE	SEAM	SAM NUM	THIK	% REC	MAJ	MINOR	DETAIL INCLUSIONS	DEPTH	C.B.A.
41.46	41.71			.25	0	IRST		SEE ABOVE		
41.71	41.86			.15	0	SLST	SS1	SEE ABOVE		
41.86	42.22			.36	0	IRST		SEE ABOVE		
42.22	49.59			7.37	0	SLST		MEDIUM GREY/BLACK SILTSTONE, SOME POLISHED FRACTURES WITH IRONSTONE BANDS WHICH HAVE CALCITE INCLUSIONS AND CALCITE HEELS, SOME FINE GRAINED SAND (SS1) PRESENT		
49.59	50.29			.70	0	MDST				
50.29	53.45			3.16	0	SLST	SS1	DARK GREY, BROKEN UP, R1		
53.45	53.65			.20	0	IRST		LARGE AMOUNT OF CALCITE BANDING, LIGHT, GREY, R1		
53.65	58.85			5.20	0	SLST	SS1	GREY, BROKEN STICK, CRUMBLE, OCCASIONAL SLIGHT CEMENTING OF SS1		
58.85	58.95			.10	0	IRST		BROWNISH GREY, CALCITE BANDING, R2		
58.95	60.05			1.10	0	SLST	SS1	MEDIUM GREY, R1, STICKS ARE 20CM IN LENGTH, NOT AS BROKEN UP AS OTHER SS1		

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-322
 PROJECT TELKWA
 LOG DATE 83/07/03
 EXAMINED BY B. SANDEN

TOP	BASE	SEAM	SAM NUM	THIK	% REC MAJ MINOR	DETAIL	DEPTH	C.B.A.
60.05	60.25			.20	0 IRST	BROWNISH GREY, R2, FRACTURES ARE FILLED WITH CALCITE		
60.25	61.75			1.50	0 SLST SS1	MEDIUM GREY, BROKEN STICK, FINE GRAINED SS1 INTERBEDDED		
61.75	61.85			.10	0 IRST SS1	BROWNISH GREY, SOME CALCITE, R3		
61.85	62.50			.65	0 SLST SS1	DARK GREY SILTSTONE WITH THIN TO THICK BEDDING OF FINE GRAINED SANDSTONE		
62.50	62.65			.15	0 IRST SS1	SILT TO SANDSTONE WITH CALCITE FILLED FRACTURES, BROWNISH, R2		
62.65	64.30			1.65	0 SLST SS1	DARK GREY SILTSTONE WITH INTER BEDDING OF FINE GRAINED SANDSTONE		
64.30	64.35			.05	0 IRST	BROWNISH GREY, CALCITE BANDING		
64.35	69.45			5.10	0 SLST SS1	DARK GREY SILTSTONE WITH FINE GRAINED SANDSTONE, BROKEN STICK, CRUMBLE CORE		
69.45	69.50			.05	0 CLAY	VERY SOFT CLAY		
69.50	69.58			.08	0 IRST	BROWNISH CALCITE FRACTURES		
69.58	69.60			.02	0 CLAY	VERY SOFT CLAY, R1		
69.60	70.70			1.10	0 SLST SS1	BROKEN STICK, MEDIUM TO LIGHT GREY, R1		

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-322
 PROJECT TELKWA
 LOG DATE 83/07/03
 EXAMINED BY B. SANDEN

TOP	BASE SEAM	SAM NUM	THIK	% REC MAJ MINOR	DETAIL	DEPTH	C.B.A.
70.70	70.85		.15	0 IRST	BROWNISH, CALCITE FILLED FRACTURES, R2		
70.85	72.15		1.30	0 SLST SS1	GREY TO DARK GREY, BROKEN		
72.15	72.25		.10	0 IRST	BROWNISH, CALCITE FILLED FRACTURES, R2		
72.25	99.00		26.75	0 SLST SS1	SAME AS ABOVE, SILTSTONE WITH THE OCCASIONAL IRONSTONE WITH CALCITE FILLED FRACTURES, SOME INTER BEDDING OF FINE GRAIN SANDSTONE. MEDIUM TO LIGHT GREY . R1		
99.00	106.16		7.16	0 SS	COARSE GRAINED SILTSTONE TO FINE GRAIN SANDSTONE, MEDIUM GREY, LONG STICKS. R2. FEW FRACTURES, NO APPARENT BEDDING		
106.16	106.36		.20	0 CLAY	VERY SOFT CLAY, GREY S1		
106.36	108.36		2.00	0 SLST SS	A FINE GRAINED SANDSTONE OR COARSE GRAINED SILTSTONE, NO BEDDING, R1 VERY CRUMBLY, SOME CLAY PARTICLES, R1		
108.36	110.14 B	742	1.78	11 COAL SLICKENSIDES	DULL WEATHERED COAL WITH CALCITE & IRON STAINING, SOME FLAKE PYRITE RECOVERY = 11%		

CORE DESCRIPTION

03/07/84

HDLE ID TW83D-322
 PROJECT TELKWA
 LDG DATE B3/07/03
 EXAMINED BY B. SANDEN

TOP	BASE	SEAM	SAM NUM	THIK	% REC	MAJ	MINOR	DETAIL	DEPTH	C.B.A.
110.14	110.30			.16	0	SLST	SLICKENSIDES	CRUMBLY		
110.30	111.23		743	.93	98	COAL		MASSIVE, DULL, SOME CALCITE. RECOVERY = 98%		
111.23	128.00			16.77	0	SS	GREEN	STICK WITH BROKEN		
128.00	130.15			2.15	0	SS	BROWN			
130.15	133.00			2.85	0	MDST	CRUMBLD & SLICKENSIDES	POWDER		
133.00	134.37			1.37	0	MDST	IRONSTONE	BANDED		
134.37	135.99	6	744	1.62	74	COAL	SLICKENSIDES	HARD DULL COAL WITH VITRAIN BANDS, FLAKE PYRITE		
135.99	136.18			.19	0	SLST	SLICKENSIDES			
136.18	136.48	6	745	.30	47	COAL		DULL, 5% VITRAIN		
136.48	136.60			.12	0	SH		CARBONACEOUS SHALE WITH CALCITE		
136.60	137.31			.71	0	MDST	IRST, SLICKENSIDES			
137.31	140.31			3.00	0	SS		BROWN, BANDED, FINE AND MEDIUM		

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-322
 PROJECT TELKWA
 LOG DATE 83/07/03
 EXAMINED BY B. SANDEN

TOP	BASE	SEAM	SAM NUM	THIK	% REC	MAJ	MINOR	DETAIL	DEPTH	C.B.A.
								GRATNED - COHERENT		
140.31	140.81			.50	0	SS	BROWN	COARSE, GRANULATES EASILY - BROWN		
140.81	151.11			10.30	0	SS	BROWN	MEDIUM GRAIN WITH CALCITE - COHERENT, CARBONACEOUS SANDSTONE NEAR CONTACT WITH COAL. FINE WEATHERED PYRITE THREADS		
151.11	151.50	3	746	.39	77	COAL		DULL, 10% VITRAIN WITH CALCITE NETWORK		
151.50	152.05			.55	0	MDST	BROWN	SOFT, INCOHERENT		
152.05	152.15			.10	0	SH	SLICKENSIDES	CARBONACEOUS, BLACK WITH CALCITE		
152.15	153.36	3	747	1.21	95	COAL		DULL, 20% VITRAIN WITH CALCITE AND WEATHERED PYRITE		
153.36	154.89			1.53	0	SLST	BROWN	CARBONACEOUS WITH CALCITE, FRACTURED, POOR COAL CONTACT - GRADATIONAL		
154.89	155.24	3	748	.35	100	COAL	SLICKENSIDES	DULL WITH WEATHERED PYRITE		
155.24	155.57		748	.33	0	SLST	BROWN	CARBONACEOUS, FRACTURED, BROKEN - WEATHERED PYRITE		
155.57	156.12	3	748	.55	73	COAL		POOR CONTACT, GRADATIONAL WITH SILSTONE		

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-322
 PROJECT TELKWA
 LOG DATE 83/07/03
 EXAMINED BY B. SANDEN

TOP	BASE SEAM	SAM NUM	THIK	% REC MAJ MINOR	DETAIL	DEPTH	C.B.A.
					VITRAIN BANDS WITH CALCITE, SILTSTONE STRINGERS AT BOTTOM OF SEAM		
156.12	157.00		.88	O MDST GREY	BROKEN, WEATHERED, CRUMBLY		
157.00	157.40		.40	O SS BROWN	FINE GRAINED WITH CALCITE STRINGERS CUTTING ACROSS BEDDING		
157.40	158.20		.80	O MDST GREY	FRACTURED, CRUMBLY		
158.20	158.25		.05	O COAL	VITRAIN WITH CALCITE		
158.25	159.44		1.19	O MDST BROWN	GRADATIONAL CONTACT WITH COAL		
159.44	160.18	749	.74	68 COAL SLICKENSIDES	TOP 40CM MASSIVE DULL COAL WITH WEATHERED PYRITE, LOWER 34CM CUMBLY WEATHERED COAL		
160.18	162.68		2.50	O MDST BROWN - GREY	FRACTURED WITH CALCITE ACROSS BEDDING, SOME VITRAIN WITH CALCITE NETWORK		
162.68	164.51	2 750	1.83	77 COAL SLICKENSIDES	DULL HARD COAL, 5CM SANDSTONE PARTING AT 163.96M, 10% VITRAIN BELOW PARTING		
164.51	164.82		.31	O MDST SLICKENSIDES	PARTING		
164.82	165.85	2 751	1.03	98 COAL	DULL COAL WITH VITRAIN BANDS AND CALCITE		

CORE DESCRIPTION

03/07/B4

HOLE ID TW83D-322
 PROJECT TELKWA
 LOG DATE 83/07/03
 EXAMINED BY B. SANDEN

TOP	BASE SEAM	SAM NUM	THIK	% REC MAJ MINOR	DETAIL	DEPTH	C.B.A.
165.85	166.62		.78	0 MDST BROWN - BLACK	CARBONACEOUS POOR COAL CONTACT, GRADATIONAL		
166.62	167.13 2	752	.51	88 COAL	DULL COAL, 15% VITRAIN WITH CALCITE NETWORK		
167.13	168.53		1.40	0 MDST BROWN - GREY	CRUMBLY, FRACTURED		
168.53	168.63		.10	0 SS BROWN - IRONSTONE	SWIRLED, CALCITE		
168.63	169.43		.80	0 MDST GREY	BANDED, FRACTURED		
169.43	169.53		.10	0 SS BROWN - IRONSTONE	CALCITE STRINGERS ACROSS BEDDING		
169.53	169.73		.20	0 MDST GREY	BANDED, FRACTURED		
169.73	170.03		.30	0 SS BROWN - IRONSTONE	CALCITE STRINGERS		
170.03	170.53		.50	0 MDST GREY	FRACTURED, CRUMBLY		
170.53	170.63		.10	0 SS BROWN - IRONSTONE	CALCITE STRINGERS		
170.63	171.03		.40	0 MDST GREY	FRACTURED		
171.03	171.28		.25	0 SS BROWN - IRONSTONE	CALCITE STRINGERS		

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-322
 PROJECT TELKWA
 LOG DATE 83/07/03
 EXAMINED BY B. SANDEN

TOP	BASE	SEAM	SAM NUM	THIK	% REC	MAJ	MINOR	DETAIL	DEPTH	C.B.A.
171.28	174.28			3.00	0	MDST	GREY	BRITTLE, STICK WITH BROKEN, MINOR RUBBLE		
174.28	179.92			5.64	0	MDST	GREY	BRITTLE, STICK, FRACTURED. TOTAL DEPTH AT 179.92.		

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-323
 PROJECT TELKWA
 LOG DATE 83/07/02
 EXAMINED BY J. EISENMAN

TOP	BASE	SEAM	SAM NUM	THIK	% REC	MAJ	MINOR	DETAIL	DEPTH	C.B.A.
.00	6.00			6.00	0	OB		NOT CORED		
6.00	36.98			30.98	0	SLST		DK GY, HIGHLY WEATHERED, RO, CRUSHED AND BADLY BKN, NOT POSSIBLE TO SEE ANY BEDDING, SOME INTERVALS HAVE A HARDNESS AT R2, 20 CM IRONSTONE BAND AT 12.5 M, 20 CM CLAY BAND AT 19.7 M - VERY SOFT, GY, SOME CALCITE HEALED FRAC 25 CM IRONSTONE BAND AT 28.3 M		
36.98	37.60			.62	0	CLAY		GY, VERY SOFT, REC: 0.62 M		
37.60	38.00	6	635	.40	90	COAL		PULVERIZED, REC: 36 M		
38.00	38.40			.40	0	CLAY		PROBABLY GROUND UP SS, REC: 0.42 M		
38.40	46.00	6	636	7.60	36	COAL		PULVERIZED AND CRUSHED, PIECES APPEAR TO BE MAINLY BRT - SOME MAY BE SLICKENSIDED, REC: 2.70 M		
46.00	48.10			2.10	0	SLST		VERY WEATHERED, SOFT, 3 10 CM IRONSTONE BANDS, LOWER 10 CM COALY, REC: 2.10 M	47.90	40
48.10	49.85			1.75	0	COAL		UPPER SECTION BADLY BKN, LOWER 15 CM PULVERIZED, BRT BANDED, REC: 0.24 M		

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-323
 PROJECT TELKWA
 LOG DATE 83/07/02
 EXAMINED BY J. EISENMAN

TOP	BASE SEAM	SAM NUM	THIK	% REC MAJ MINOR	DETAIL	DEPTH	C.B.A.
49.85	56.34		6.49	0 SLST SS1, POLISHED FRAC	INTERBEDDED, WEATHERED, BKN, GY AND DK GY, COALY AT 51.5 M, 10 CM IRONSTONE BAND, 5 CM IRONSTONE BAND, REC: 6.6 M, SOME BEDDING IS APPARENT BUT DUE TO WEATHERED STATE ANGLES ARE DIFFICULT TO DETERMINE	53.00	30
56.34	56.54		.20	0 SS1	GREEN, RO, REC: 0.20 M, WEATHERED		
56.54	56.92 3		.38	0 COAL	CRUSHED, REC: 0.08 M, MAINLY BRT		
56.92	57.24		.32	0 SLST	DK GY, BKN, WEATHERED, REC: 1.39 M		
57.24	57.66 3	637	.42	95 COAL	REC: 0.40 M, BKN STICK, BRT BANDED, CLEAN, MINOR VITRAIN BANDS, NO H.W. OR F.W. CONTACTS, 2 CM PYRITE BAND 22 CM FROM TOP	57.50	74
57.66	63.10		5.44	0 SLST	DK GY, WEATHERED, 6 CM IRONSTONE BAND - CALCITE HEALED FRAC WITHIN, REC: 2.23 M. 2CM PYRITE BLEB 42CM FROM BOTTOM, LOWER 30CM ARE VERY COALY. NO VISUAL OR PHYSICAL SEPARATION WITH COAL BELOW IS APPARENT. REC: 3.20M		
63.10	63.44 2	638	.34	100 COAL	BROKEN, BRIGHT BANDED, CLEAN. REC: 0.36M. 10CM DULL BAND BEGINNING 19CM FROM BOTTOM OF CORE. HANGWALL SEPARATION - SEE ABOVE; FOOTWALL SEPARATION - VISUAL FAIR, PHYSICAL GOOD		

CORE DESCRIPTION

03/07/84

HOLE ID TWB3D-323
 PROJECT TELKWA
 LOG DATE 83/07/02
 EXAMINED BY J. EISENMAN

TOP	BASE SEAM	SAM NUM	THIK	% REC MAJ	MINOR	DETAIL	DEPTH	C.B.A.
63.44	64.08		.64	0	MDST	RO, UPPER 15CM BROWN, LOWER SECTION GREY, MINOR COAL TRACER, WEATHERED, NO BEDDING VISIBLE; RECOVERED 0.52		
64.08	65.96 2	639	1.88	61	COAL POLISHED	BKN AND CRUSHED, NO CONTACTS - LC, COAL PIECES ARE MAINLY LUSTEROUS WITH VERY LITTLE BANDING, 3 CM MDST BAND 15 CM FROM TOP, REC: 1.15 M, SOME PIECES APPEAR TO HAVE BEEN POLISHED		
65.96	66.67		.71	0	MDST	GY, WEATHERED, RO, 9 CM IRONSTONE BAND, NO BEDDING VISIBLE, REC: 0.67 M		
66.67	66.86 2		.19	0	COAL	REC: 0.09 M, BADLY BKN, MAINLY BRT		
66.86	68.08		1.22	0	MDST	GY, RO/R1, LOWER 20 CM CRUSHED, REC: 1.45 M		
68.08	68.44 2		.36	0	COAL	CRUSHED, REC: 0.08 M		
68.44	68.63		.19	0	MDST	WEATHERED, CRUSHED, REC: 0.18 M		
68.63	69.16 2	640	.53	96	COAL SLICKENSIDED AT 68.70	LOWER HALF IS BKN AND CRUSHED, 0.5 CM BAND AT 68.68 M, REC: 0.54 M, NO CONTACTS - LC, MAINLY LUSTEROUS WITH THIN VITRAIN BANDING, LOWER 10 CM VERY DIRTY		

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-323
 PROJECT TELKWA
 LOG DATE 83/07/02
 EXAMINED BY J. EISENMAN

TOP	BASE SEAM	SAM NUM	THIK	% REC MAJ MINOR	DETAIL	DEPTH	C.B.A.
69.16	136.64		67.48	0 SLST	MAINLY MASSIVE BEDDING, GY - DK GY, MAINLY BKN - SOME STICK, R1	71.20	74
					IRONSTONE BANDS: 9 CM AT 69.65 M, 3 CM AT 70.5 M, 4 CM AT 71.2 M,	88.20	74
					7 CM AT 71.6 M, 12 CM AT 81.4 M, 20 CM AT 86.37 M WITH PYRITE INCLUSIONS.	116.90	64
					18 CM AT 119.6 M, 11 CM AT 124.0 M, 17 CM AT 130.2 M		
					MAJOR CALCITE BANDS: 0.5 CM AT 69.66 M, 2 CM AT 71.65 M, 1 CM AT 72.9 M,		
					12 CM CALCITE BAND 1 CM THICK - PARALLEL TO BEDDING AT 91.8 M,		
					2 CM AT 103.6 M		
136.64	137.09		.45	0 SS2	GY, R2, REC: 0.45 M		
137.09	137.18		.09	0 BENT	REC: 0.09 M, SOFT, GY		
137.18	137.22		.04	0 CALC CALCITE	REC: 0.04 M		
137.22	141.20		3.98	0 SLST SLICKENSIDED, SS2	DK GY, SANDY TOWARDS BOTTOM, REC: 1.05 M. SS2, GREY, RECOVERED 4.20, R2, SILTY, INTERVALS, SEVERAL CALCITE FILLED FRACTURES		
141.20	144.20		3.00	0 SLST	DK GY, SANDY AT BOTTOM, REC: 2.9 M, BKN		

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-324
 PROJECT TELKWA
 LOG DATE 83/07/18
 EXAMINED BY J. EISENMAN

TOP	BASE	SEAM	SAM NUM	THIK	% REC	MAJ	MINOR	DETAIL	DEPTH	C.B.A.
.00	4.06			4.06	0	OB		NOT CORED		
4.06	4.12			.06	0	IRST		BADLY BROKEN, R3, REC: 0.06 M		
4.12	7.15	6	659	3.03	30	COAL		BADLY BROKEN, BOTTOM IS CRUSHED, BRT. BANDED, CLEAN. REC: 0.90 M		
7.15	8.02			.87	0	SLST		DK GY, RO, BROKEN SOME SECTIONS CRUSHED, NO BEDDING. REC: .83 M		
8.02	8.17			.15	0	SLST		PROBABLY COAL		
8.17	8.73			.56	0	SLST		DK GY, COAL TRACES, VERY THINLY BEDDED, RO, BROKEN. REC: .56 M		
8.73	9.43	6	660	.70	91	COAL		BKN LOWER HALF CRUSHED, MAINLY SEMI-LUSTEROUS WITH THIN VITRAIN BANDS THROUGHOUT, CLEAN, REC: .64 M. H.W. CONTACT VISUAL: GOOD PHYSICAL: GOOD		
9.43	10.00			.57	0	SLST		BROKEN, R1, DK GY, REC: .50 M		
10.00	25.50			15.50	0	SS1	SLST	INTERBEDDED, 90% SS1, GY, EXCEPT FOR SLST BANDING IN SOME SECTIONS, NO BEDDING IS VISIBLE, R1, REC: 14.7 M, 10 CM AND 17 CM IRONSTONE BANDS, COAL TRACES, DEPOSITIONAL SLUMPING	17.00	55
									24.10	56
25.50	25.96	3	661	.46	91	COAL		BKN, REC: .42 M, LUSTEROUS		

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-324
 PROJECT TELKWA
 LOG DATE 83/07/18
 EXAMINED BY J. EISENMAN

TOP	BASE	SEAM	SAM NUM	THIK	% REC MAJ	MINOR	DETAIL	DEPTH	C.B.A.
							WITH VERY LITTLE BANDING, CLEAN, H.W. AND F.W. SEPARATION - VISUAL: VERY GOOD PHYSICAL: GOOD		
25.96	27.30			1.34	0	SLST	DK GY, UPPER HALF HAS THICKLY LAMINATED BEDDING, REMAINDER IS POORLY DEVELOPED BEDDING, RD, FRIABLE, GY, REC: 1.3 M	26.40	64
27.30	27.47	3	662	.17	77	COAL	REC: 0.16 M, SEMI-LUSTEROUS, MINOR BANDING, H.W. CONTACT VISUAL: VERY GOOD PHYSICAL: VERY GOOD		
27.47	27.60	3	662	.13	0	COAL	REC: .10 M, DULL HIGH ASH		
27.60	27.92	3	662	.32	0	COAL	REC: .22 M, BADLY BROKEN, LUSTEROUS, MINOR BANDING		
27.92	28.31			.39	0	MDST COALY	R1, DK GY, REC: .25 M		
28.31	28.59	3	663	.28	100	COAL	REC: .28 M, MAINLY SEMI-LUSTEROUS, VERY LITTLE BANDING, BROKEN, H.W. CONTACT - VISUAL: FAIR PHYSICAL: FAIR		
							F.W. CONTACT - VISUAL: GOOD PHYSICAL: VERY GOOD		
28.59	28.72			.13	0	MDST	RD, DK BROWN, FRIABLE, REC: .13 M		
28.72	28.84	3		.12	0	COAL	REC: .10 M, BROKEN,		

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-324
 PROJECT TELKWA
 LDG DATE 83/07/18
 EXAMINED BY J. EISENMAN

TOP	BASE SEAM	SAM NUM	THIK	% REC MAJ	MINOR	DETAIL	DEPTH	C.B.A.
						SEMI-LUSTEROUS		
28.84	32.62		3.78	0	SLST	DK GY, R1, THINLY BEDDED, BREAKS EASILY ALONG BEDDING, BROKEN, REC: 3.7 M	29.80	70
							32.30	72
32.62	32.97 2	664	.35	100	COAL	REC: .35 M, BRT BANDED, BKN, FW AND HW CONTACTS VISUAL AND PHYSICAL: GOOD	32.70	61
32.97	34.65		1.68	0	MDST	MED GY, BADLY BKN, RO, MINOR COAL TRACES, REC: 1.68 M		
34.65	37.04 2	665	2.39	59	COAL POLISHED FRAC AT BTM	REC: 1.40 M, UPPER THIRD PULVERIZED, REMAINDER IS BKN STICK, BRIGHT BANDED, CLEAN, NO CONTACTS LC		
37.04	37.64		.60	0	MDST	GY, RO, MINOR COAL TRACES, REC: .60 M, BADLY BKN, SILTY AT BOTTOM		
37.64	53.80		16.16	0	SLST SS1 INTERBEDDED	DK GY, R1, 85% SLST, MAINLY MASSIVE, SOME RIPPLED THIN BEDDING IN UPPER SECTION, SANDY TOWARDS BTM. IRONSTONE BANDS: 10 CM AT 39.2, 16 CM AT 39.6, 6 CM AT 40.3, 5 CM AT 42.1, 6 CM AT 44.35, 13 CM AT 46.3, IRONSTONE IS R3, REC: 16.2 M, SEVERAL CALCITE HEALED FRACTURES	37.60	80
							39.00	80
							41.00	82
53.80	54.80		1.00	0	SS1	GRADING TO SS2 AT BTM, GY, R2, BKN STICK, REC: 1.00 M		
54.80	57.00		2.20	0	SLST	DK GY, R1, FRIABLE, REC: 2.0 M		

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-325
 PROJECT TELKWA
 LOG DATE 83/07/15
 EXAMINED BY J. EISENMAN

TOP	BASE SEAM	SAM NUM	THIK	% REC MAJ MINDR	DETAIL	DEPTH	C.B.A.
.00	6.53		6.53	0 0B	NO CORE		
6.53	10.85		4.32	0 SS1	GY, BKN, REC: 3.2 M, OCCASIONAL THIN SLST BAND, RO	6.90	66
10.85	11.32 9		.47	0 COAL	REC: .03 M, DULL BANDED		
11.32	12.20		.88	0 SLST	DK GY, LOWER 20 CM COALY, MASSIVE, BADLY BKN, REC: .84 M		
12.20	14.00 8	653	1.80	19 COAL	BADLY BKN, MAINLY SEMI-LUSTEROUS WITH SOME THIN VITRAIN BANDING, REC: .35 M		
14.00	14.60		.60	0 SS1 GRAD TO SLST AT BTM	BADLY BKN, GY, RO, REC: .55 M		
14.60	15.15	654	.55	45 COAL	LUSTEROUS, VERY HARD, VERY LITTLE BANDING, BKN, REC: .25 M		
15.15	17.01		1.86	0 SLST	DK GY, FE STAINING ALONG 1 FRACT, BADLY BKN, REC: .27 M		
17.01	17.24		.23	0 COAL	BADLY BKN, BRT BANDED, REC: .11 M	17.20	61
17.24	19.17		1.93	0 SLST	DK GY, R1, SOME FE STAINING ALONG FRAC, LOWER 10 CM IRONSTONE, REC: 1.10 M, POORLY DEV BEDDING, MINOR COAL TRACES		
19.17	19.46	655	.29	59 COAL	REC: .17 M, BRIGHT BANDED, CLEAN, NO F.W. OR H.W. CONTACTS LC	19.30	58

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-325
 PROJECT TELKWA
 LOG DATE 83/07/15
 EXAMINED BY J. EISENMAN

TOP	BASE SEAM	SAM NUM	THIK	% REC MAJ MINOR	DETAIL	DEPTH	C.B.A.
19.46	21.00		1.54	0 MDST	GY, VERY FRIABLE, BKN, NO BEDDING, REC: 1.20 M	20.70	35
						20.90	32
21.00	22.70		1.70	0 SLST	BADLY BKN, DK GY, MINOR FE STAINING, R2, MAINLY MASSIVE WITH SOME THIN BEDDED ZONES, REC: 1.6 M	22.10	63
						22.60	65
22.70	22.96		.26	0 COAL	STICK CORE, BRT BANDED, CLEAN, THIN VITRAIN BANDS THROUGHOUT, REC: .23 M	22.80	75
22.96	23.05		.09	0 SLST COALY	BLACK, BKN, REC: .09 M	23.40	60
23.05	26.80		3.75	0 SS1 SLST	INTERBEDDED, 70% SS, GY SLST IS DK GY, BKN, R1, 20 CM BAND R3, MAINLY POORLY DEV BEDDING, SOME BANDING AND CONVOLUTED BEDDING, REC: 2.8 M		
26.80	28.30		1.50	0 SLST	DK GY, BADLY BKN, R1, COALY FROM 27 M - 27.1 M, THINLY BEDDED, REC: 1.30 M	27.10	71
28.30	32.06		3.76	0 SS1 SLST	INTERBEDDED, 70% SS, BEDDING IS MAINLY CONVOLUTED WITH BIO-TURBATION, SOME MED THICKNESS BEDDING, R2, BKN STICK, REC: 3.7 M	28.80	63
						29.40	64
						31.90	61
32.06	32.29		.23	0 SLST	DK GY, FRIABLE, REC: .23 M. LOWER 3 CM COALY		

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-325
 PROJECT TELKWA
 LOG DATE 83/07/15
 EXAMINED BY J. EISENMAN

TOP	BASE	SEAM	SAM NUM	THIK	% REC MAJ	MINOR	DETAIL	DEPTH	C.B.A.
32.29	33.00			.71	0	LC			
33.00	33.68	7	656	.68	96	COAL	MAINLY BKN STICK, COAL IS HARD SEMI-LUSTEROUS WITH ONLY MINOR BRT BANDING, 2 1 CM PYRITIC BANDS. REC: .65 M, NO F.W. CONTACT LC, H.W. - VISUAL: FAIR PHYSICAL: GOOD	33.40	75
33.68	33.76			.08	0	1RST	BKN, BROWNISH GY, REC: .08 M		
33.76	35.46			1.70	0	SLST	DK GY, FRIABLE, UPPER 50 CM CARBONACEOUS, MASSIVE, RD, REC: 1.70 M		
35.46	41.06			5.60	0	SS1 SLST	INTERBEDDED, 50% SS, CONVOLUTED BEDDING, RAPID BEDDING CHANGES DUE TO SOFT SEDIMENT SLUMPING, REC: 5.6 M	36.00	71
41.06	43.95			2.89	0	SLST SS1	INTERBEDDED, 90% SLST, DK GY BKN, R1. REC: 2.75 M, CORE BKS UP VERY EASILY, MAINLY THICKLY BEDDED WITH SOME THINLY BEDDED ZONES	41.50	74
43.95	44.36		657	.41	100	COAL	MAINLY BRT BANDED, CALCITE ALONG FRACTURES. REC: .41 M, BKN, 3 CM COALY BENTONITE LAYER AT 44.11 M, BENT IS BT GY- SOFT, HAS BEEN SAMPLED, H.W. CONTACT - VISUAL: VERY GOOD PHYSICAL: FAIR	44.00	71
44.36	49.41			5.05	0	SLST	DK GY, NO BEDDING, R1,	46.90	61

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-325
 PROJECT TELKWA
 LOG DATE 83/07/15
 EXAMINED BY J. EISENMAN

TOP	BASE SEAM	SAM NUM	THIK	% REC MAJ	MINOR	DETAIL	DEPTH	C.B.A.
						FRIABLE, 11 CM IRONSTONE BAND, REC: 4.9 M		
49.41	49.78		.37	0	MDST CARBONACEOUS	VERY FRIABLE, GY, REC: .37 M		
49.78	51.72	6	658	1.94	100 COAL	BRT BANDED, HARD, BKN CORE. CLEAN, THIN VITRAIN BANDING, 13 CM VITRAIN	50.00	63
						LAYER AT 50.6 - BADLY BKN, CONCHOIDAL AT 51.52 M, 2 CM BENTONITE BAND	50.30	64
						AT 51.68 M, REC 1.94 M, H.W. CONTACT - VISUAL: GOOD PHYSICAL: GOOD, F.W. CONTACT IS BADLY BROKEN		
51.72	66.14		14.42	0	SLST	MASSIVE, R1, SOME SECTIONS FRIABLE, DK GY, MAINLY BKN STICK, 9 CM IRONSTONE BAND AT 57.0 M, 10 CM IRONSTONE BAND AT 57.35 M, 3 CM PYRITIC BAND AT 64.6 M, R3, REC: 14.1 M		

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-326
 PROJECT TELKWA
 LOG DATE 83/07/12
 EXAMINED BY J. EISENMAN

TOP	BASE SEAM	SAM NUM	THIK	% REC MAJ	MINOR	DETAIL	DEPTH	C.B.A.
.00	7.19		7.19	0	08			
7.19	7.26		.07	100	SS2			
7.26	13.40		6.14	60	SLST THIN SS1 LENSES	MED DK GY, WEATHERED, REC: 3.70 M		
13.40	13.85		.45	100	SS2 SLST	INTERBEDDED, BKN, REC: 0.45 M		
13.85	13.92		.07	100	IRST	REC: 0.07 M		
13.92	14.82		.90	100	SLST	GY, BKN, 2 1 CM SS2 BANDS, 1 6 CM SS2 BAND, 3 CM IRONSTONE BAND, REC: .90 M	14.10	59
14.82	15.84		1.02	100	SS2	LT GY, SLST CLASTS, R2, REC: 1.02 M, NO BEDDING EXCEPT FOR 4 BANDS OF SMALL BLACK CLASTS	15.10	61
15.84	16.92		1.08	100	SS1 SLST	THINLY INTERBEDDED, GY, BADLY BKN, R1, REC: 1.08 M		
16.92	19.81		2.89	96	SS2	GREENISH GY, R1, NO BEDDING VISIBLE, SEVERAL THIN SLST BANDS, BKN, REC: 2.77 M	19.30	80
19.81	36.86		17.05	100	SLST SS1	THINLY BEDDED, SLST IS DK GY, SS IS MED GY, NUMEROUS IRONSTONE BANDS, THICKNESSES USUALLY 2 CM.	20.00	76
							20.80	75

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-326

PROJECT TELKWA

LOG DATE 83/07/12

EXAMINED BY J. EISENMAN

TOP	BASE	SEAM	SAM NUM	THIK	% REC	MAJ	MINOR	DETAIL	DEPTH	C.B.A.
								IRONSTONE BANDS ARE BROWN AND USUALLY OCCUR EVERY 15-20 CM, BREAKS EASILY ALONG BEDDING, 1 20 CM IRONSTONE BAND AT 26.2 M, CORE IS MAINLY BKN, LOWER 30 CM BADLY BKN, REC: 17.1 M, R1	22.40	78
									23.30	76
									25.90	79
									27.30	77
									28.00	77
									29.40	79
									31.50	78
									33.40	79
									33.60	70
									34.70	70
									35.20	60
36.86	37.87	3	641	1.01	33	COAL		BADLY BKN, REC: 0.33 M, CORE TUBE NOT LOCKED, MAINLY BRIGHT BANDED, NO H.W. OR F.W. CONTACTS - LOST CORE	37.00	66
37.87	40.24			2.37	93	SLST COALY, POLISHED		DK GY, BKN, POORLY DEV BEDDING, R1, REC: 2.2 M, POLISHED AND BKN UP FRACS AT 38.6 M		

CORE DESCRIPTION

03/07/84

HOLE ID TWB3D-326
 PROJECT TELKWA
 LOG DATE 83/07/12
 EXAMINED BY J. EISENMAN

TOP	BASE	SEAM	SAM NUM	THIK	% REC MAJ	MINOR	DETAIL	DEPTH	C.B.A.
40.24	41.57	3	642	1.33	79	COAL	REC: 1.05 M, BRD LOG SHOWS DIRTY BAND AT 40.92 - 40.96 M, IS NOT VISIBLE IN CORE, CORE IS BKN UP, BRIGHT BANDED, NO H.W. OR F.W. CONTACTS DUE TO LC	40.40	70
41.57	43.77			2.20	100	SLST	DK GY WITH THIN GY LAYERS, SOME DEPOSITIONAL SLUMPING, BEDDING IS MAINLY CONVOLUTED, REC: 2.2 M, SANDY AT BOTTOM	44.10	62
43.77	44.82			1.05	100	SS1 SLST	THINLY INTERBEDDED, R1, MINOR COAL TRACES, REC: 1.05 M	44.60	69
44.82	46.34			1.52	95	SS1	MINOR SLST BANDS, MINOR COAL TRACES, GY, REC: 1.45 M	46.00	66
46.34	46.80			.46	100	SLST SS1	THINLY INTERBEDDED, REC: 0.46 M		
46.80	46.89			.09	100	IRST	GY BROWN, R3, REC: 0.09 M		
46.89	46.92			.03	100	SLST	BADLY BKN, REC: 0.03 M		
46.92	47.39	2	643	.47	84	COAL POLISHED FRAC	UPPER 4 CM VERY BRT - VITRAIN, REMAINDER LUSTERIOUS, CLEAN, BKN, BANDED, LOWER 7 CM CALCITE ALONG CLEAVAGE, NO H.W. CONTACT - LC, REC: 0.39 M		
47.39	47.46		643	.07	0	MOST BENTONITIC, COALY	R2, REC: 0.07 M		

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-326
 PROJECT TELKWA
 LOG DATE 83/07/12
 EXAMINED BY J. EISENMAN

TOP	BASE SEAM	SAM NUM	THIK	% REC MAJ MINOR	DETAIL	DEPTH	C.B.A.
47.46	47.61 2	643	.15	0 COAL POLISHED PIECES	BADLY BKN, CLEAN, LUST, REC: 0.12 M		
47.61	47.92		.31	97 MDST	DK GY, REC: 0.30 M		
47.92	48.45 2	644	.53	77 COAL POLISHED FRAC	REC: 0.41 M, LUST, BANDED, CLEAN, FEW THIN VITRAIN BANDS, MINOR CALCITE ON CLEAVAGE, UPPER 10 CM DIRTY, NO F.W. OR H.W. CONTACTS	48.30	44
48.45	49.00		.55	93 MDST	DK GY, NO BEDDING, MINOR COAL TRACES, REC: 0.51 M	48.90	63
49.00	49.54 2	645	.54	85 COAL	REC: 0.46 M, MAINLY LUSTEROUS, CLEAN, LOWER 12 CM - CALCITE ALONG CLEAVAGE, NO H.W. OR F.W. CONTACTS DUE TO BKN AND LOST CORE	50.00	62
49.54	56.20		6.66	99 SLST SLICKENSIDED	DK GY, MAINLY THINLY BEDDED, R2, BKN STICK, SOFT SEDIMENT SLUMPING, IRONSTONE BANDS: 4 CM THICK AT 50.55 M, 15 CM THICK AT 52.1 M, 12 CM THICK AT 53.0 M, 10 CM THICK AT 54.4 M, 5 CM THICK AT 55.15 M, 11 CM THICK AT 55.7 M, REC: 6.6 M, BIO-TURBATION	52.30	60
56.20	80.81		24.61	100 SLST POLISHED FRAC	POORLY DEVELOPED BEDDING, DK GY, STICK AND BKN STICK CORE, R2, 2 CM VITRAIN BAND AT 60.2 M, UPPER 3 M BKS UP EASILY, 30 CM ZONE OF RUBBLE AND POLISHED FRACS AT 60.1 M, IRONSTONE		

CORE DESCRIPTION

03/07/84

HOLE ID TWB3D-327

PROJECT TELKWA

LOG DATE 83/07/13

EXAMINED BY J. EISENMAN

TOP	BASE	SEAM	SAM NUM	THIK	% REC MAJ MINOR	DETAIL	DEPTH	C.B.A.
.00	9.63			9.63	0 0B	NOT CORED		
9.63	13.52			3.89	0 SLST	TAN COLORED, HEAVY FE STAINING THROUGHOUT, HIGHLY WEATHERED, BADLY BKN AND RUBBLE. REC: 3.2 M		
13.52	19.47			5.95	0 SLST	DK GY, WEATHERED, FE STAINING ALONG FRACS, BADLY BKN, R1, MAINLY THINLY BEDDED, REC: 5.8 M	13.70	54
							15.00	51
							15.70	61
							16.50	61
							17.50	62
19.47	23.47			4.00	0 SLST	AS ABOVE BUT WITH A HARDNESS, R3, AND A SHINY APPEARANCE, PROBABLY DUE TO HEAT FROM BURNING COAL BELOW, REC: 3.3 M	20.00	63
							21.40	62
							21.80	68
							23.10	62
23.47	23.95			.48	0 SLST	BADLY BKN, BROWN AND GY, REC: 0.45 M, R3, FE STAINING		
23.95	29.46			5.51	0 SLST CLINKER	RED, BADLY BKN AND RUBBLE, SOME BEDDING STILL VISIBLE,	24.10	67

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-327
 PROJECT TELKWA
 LOG DATE 83/07/13
 EXAMINED BY J. EISENMAN

TOP	BASE SEAM	SAM NUM	THIK	% REC MAJ	MINOR	DETAIL	DEPTH	C.B.A.
						PROBABLY SLST ORIGINALLY, REC: 0.83 M		
29.46	29.56		.10	0	SLST CLINKER	AA WITH SOME ASH		
29.56	31.00		1.44	0	SLST CLINKER	RUBBLE, RED, REC: 0.40 M		
31.00	31.50		.50	0	SLST CLINKER	BADLY BKN AND RUBBLE, ORANGE, REC: 0.42 M		
31.50	33.00		1.50	0	SLST	GY DK GY, THINLY BEDDED, RUBBLE, REC: 1.05 M	32.80	65
33.00	35.70		2.70	0	SLST CLINKER	RED, BADLY BKN, THIN BEDDING STILL VISIBLE, PROBABLY ORIGINALLY SLST, REC: 1.9 M	34.20	75
35.70	37.20		1.50	0	SLST CLINKER	YELLOW, BADLY BKN, REC: 0.21 M		
37.20	37.60		.40	0	SLST CLINKER	REC: 0.08 M, RED, BADLY BKN		
37.60	56.00		18.40	0	SLST	DK GY, 2 THIN BANDS RED LIKE CLINKER ABOVE, MAINLY POORLY DEV BEDDING WITH A FEW SECTIONS THINLY BEDDED, CORE IS GENERALLY BKN UP. UPPER SECTION R3	42.70	0
						GRADING TO RI AT BOTTOM, 16 CM IRONSTONE BAND AT 49.0 M, REC: 14.9 M	44.10	63
							47.80	65
							53.10	66

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-327
 PROJECT TELKWA
 LOG DATE 83/07/13
 EXAMINED BY J. EISENMAN

TOP	BASE	SEAM	SAM NUM	THIK	% REC	MAJ	MINOR	DETAIL	DEPTH	C.B.A.
									55.70	63
56.00	56.59	7	646	.59	39	COAL		BKN, BRT BANDED, REC: 0.20 M	56.20	65
56.59	56.75			.16	0	CLAY		DK GY, VERY SOFT, REC: 0.16 M		
56.75	57.70			.95	0	SLST		DK GY, CARBONACEOUS NEAR BOTTOM, REC: 0.95 M, BADLY BKN, R1, NO BEDDING		
57.70	58.60	6	647	.90	73	COAL		REC: 0.60 M, BRT BANDED, FEW VITRAIN BANDS, CLEAN, BKN STICK, NO F.W. OR H.W. CONTACTS - LC	57.90	63
58.60	58.80	6	647	.20	0	COAL		DULL, VERY DIRTY, REC: 0.20 M	59.10	67
58.80	59.05			.25	0	MDST COALY		DK GY, BLACK, REC: 0.25 M		
59.05	59.40	6	648	.35	89	COAL		DULL, DIRTY, LOWER 10 CM CONTAINS THIN PYRITE BLEBS AND CALCITE ALONG CLEAVAGE, NO F.W. CONTACTS, H.W. CONTACT - VISUAL: POOR PHYSICAL: FAIR, REC: 0.31 M		
59.40	62.79			3.39	0	SLST COALY IN UPPER HALF		DK GY, BKN, R1, LOWER 20 CM IS INTERBEDDED WITH SS1, BEDDING IS GENERALLY POORLY DEV. REC: 3.4 M	62.30	60

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-327
 PROJECT TELKWA
 LOG DATE 83/07/13
 EXAMINED BY J. EISENMAN

TOP	BASE	SEAM	SAM NUM	THIK	% REC	MAJ	MINOR	DETAIL	DEPTH	C.B.A.
62.79	63.99			1.20	0	SS2	SLST CLASTS	GY, R2, MINOR FE STAINING, 6 CM IRONSTONE BAND, RIPPLED BEDDING, REC: 1.20 M		
63.99	64.14			.15	0	IRST		R3, REC: 0.15 M		
64.14	67.07			2.93	0	SLST		UPPER 20 CM CRUSHED, DK GY, REC: 0.90 M		
67.07	67.69		649	.62	65	COAL		BKN, REC: 0.40 M, BRT BANDED, CLEAN, SOME CALCITE ALONG FRACS, NO CONTACTS WITH F.W. OR H.W. - LC	67.60	66
67.69	74.95			7.26	0	SLST	FAULTED	DK GY, THINLY BEDDED, BADLY BKN LOWER 20 CM CRUSHED, 6 CM CLAY BAND AT 69.7 M, SOME FE STAINING, REC: 3.1 M	68.70	66
74.95	75.25	2	650	.30	93	COAL	PYRITE	BRT BANDED, 9 CM BAND OF CRUSHED PYRITIC, MDST FROM 75.06 - 75.15 M, COAL IS VERY HARD, CALCITE ALONG CLEAVAGE, REC: 0.28 M	72.20	38
75.25	75.80			.55	0	MDST	GAUGE	PULVERIZED TO CLAY AND SMALL CLASTS, REC: 0.23 M		
75.80	76.30			.50	0	SLST	POLISHED FRAC AT TOP	DK GY, COAL TRACES, NO BEDDING, R1, REC: 0.50 M		
76.30	76.80	2	651	.50	40	COAL	MDST	MAINLY DULL/DIRTY, MDST		

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-327
 PROJECT TELKWA
 LOG DATE 83/07/13
 EXAMINED BY J. EISENMAN

TOP	BASE SEAM	SAM NUM	THIK	% REC MAJ MINOR	DETAIL	DEPTH	C.B.A.
					LENSES, REC: 0.20 M		
76.80	77.05		.25	0 MDST COALY	DK GY, REC: 0.05, BKN		
77.05	77.90 2	652	.85	87 COAL	BRT BANDED, CLEAN, THIN VITRAIN BANDS, CALCITE ALONG CLEAVAGE, BKN STICK, REC: 0.74 M, F.W. CONTACT VISUAL: FAIR PHYSICAL: GOOD	77.70	67
77.90	89.70		11.80	0 SLST SS1	DK GY, THIN SS1 LAYERS THROUGHOUT, SS1 15%, R1. IRONSTONE BANDS 8 CM AT 78.4 M, 11 CM AT 81.9 M, 10 CM AT 83.5 M, 4 CM AT 85.0 M, 16 CM AT 86.1 M, 8 CM AT 89.0 M, 10 CM AT 89.6 M, REC: 10.3 M	79.40	68
						82.00	69
						84.40	70
						87.00	71
89.70	100.89		11.19	0 SLST	DK GY, BKN, SEVERAL THIN CALCITE HEALED FRACS, POORLY DEV BEDDING, R1, REC: 11.20 M	90.60	70
						93.40	71

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-328

PROJECT TELKWA

LOG DATE 83/07/24

EXAMINED BY J. EISENMAN

TOP	BASE	SEAM	SAM NUM	THIK	% REC MAJ	MINOR	DETAIL	DEPTH	C.B.A.
.00	3.30			3.30	0	OB	NOT CORED		
3.30	4.87			1.57	0	LC	PROBABLY COAL		
4.87	6.58	5	736	1.71	45	COAL SLICKENSIDED	BROKEN, LUSTEROUS WITH THIN VITRAIN BANDING, CLEAN, HARD. RECOVERED 1.20	5.30	60
6.58	6.82	5		.24	0	COAL	DULL, HIGH ASH. RECOVERED 0.14		
6.82	7.59	5		.77	0	COAL	BROKEN, LUSTEROUS WITH THIN VITRAIN BANDS, CLEAN, NO CONTACTS - LOST CORE. RECOVERED 0.31	7.40	61
7.59	8.33			.74	0	SLST CARBONACEOUS	DARK GREY, RO. RECOVERED 0.44		
8.33	8.97	4	737	.64	50	COAL	BROKEN, LUSTEROUS WITH THIN VITRAIN BANDS. RECOVERED 0.36	8.40	66
8.97	10.56			1.59	0	SLST CARBONACEOUS	DARK GREY, R1, FRIABLE, NO BEDDING, SMALL VITRAIN LENSES. RECOVERED 1.51		
10.56	11.01	4	738	.45	53	COAL	LUSTEROUS WITH NUMEROUS THIN VITRAIN BANDS. RECOVERED 0.24, CLEAN, BROKEN, NO CONTACTS DUE TO LOST CORE	10.80	65
11.01	20.09			9.08	0	SLST SS1 INTERBEDDED	DARK GREY, 80% SILTSTONE	19.60	67
							BEDDING IS MAINLY CONVOLUTED,	22.60	64

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-328
 PROJECT TELKWA
 LOG DATE 83/07/24
 EXAMINED BY J. EISENMAN

TOP	BASE	SEAM	SAM NUM	THIK	% REC	MAJ	MINOR	DETAIL	DEPTH	C.B.A.
								MINOR BIOTURBATION.		
								BROKEN, SOME SECTIONS FRIABLE.	26.60	62
								COAL FRAGMENTS. RECOVERED 6.65	27.50	66
									29.40	65
20.09	31.09			11.00	0	SS+	SILTSTONE BANDING	SANDSTONE 80%, R2, GREY. BROKEN, SEVERAL THIN IRONSTONE BANDS, LOWER 5CM DARK GREY AND COALY. RECOVERED 11.0	30.30	66
31.09	31.26			.17	0	COAL			31.20	65
								HANGWALL CONTACT: VISUAL & PHYSICAL - GOOD		
31.26	32.71			1.45	0	MDST		MEDIUM GREY, SILTY WITH WHITE SILTSTONE INTERVALS. CARBONACEOUS		
32.71	33.93	3		1.22	88	COAL		DULL WITH VERY THIN VITRAIN BANDS THROUGHOUT, BROKEN STICK WITH BROKEN 1.07/1.22	33.95	70
33.93	33.95			.02	0	MDST		BLACK, CARBONACEOUS		
33.95	34.84			.89	0	MDST		GAUGE AT BOTTOM .1M. MEDIUM GREY, FRIABLE		
34.84	35.12	3		.28	0	COAL		DULL & BRIGHT WITH EXTENSIVE PYRITE & CALCITE BANDS	36.70	74

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HOLE ID TW83D-328

PROJECT TELKWA

LOG DATE 83/07/24

EXAMINED BY J. EISENMAN

TOP	BASE SEAM	SAM NUM	THIK	% REC MAJ MINOR	DETAIL	DEPTH	C.B.A.
					THROUGHOUT		
35.12	35.70		.58	0 MDST	MEDIUM GREY WITH CARBONACEOUS INTERLAMINATIONS		
35.70	36.10 3		.40	0 COAL MDST	50% DULL COAL AND 50% CARBONACEOUS MUDSTONE		
36.10	38.57		2.47	0 MDST CROSS BEDDING SHOWS BEDS	INTERBED MUDSTONE & SILTSTONE WITH IRONSTONE PARTING CONTAINING CALCITE PARTING	37.00	65
38.57	39.17		.60	0 SS	GREY BROWN, MEDIUM GRAIN, SLIGHTLY CARBONACEOUS		
39.17	39.90 2	741	.73	53 COAL	GOUGE & RUBBLE THROUGHOUT, DULL WITH		
39.90	40.51		.61	0 MDST			
40.51	40.95 2		.44	0 COAL	0% RECOVERY. 39.9-42.05 - THERE IS 1M OF MUDSTONE RUBBLE THAT COME FROM SOMEWHERE IN THIS SECTION		
40.95	41.66		.71	0 MDST			
41.66	41.81 2		.15	0 COAL	0% RECOVERY		
41.81	42.05		.24	0 MDST			

CORE DESCRIPTION

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HOLE ID TW83D-328
 PROJECT TELKWA
 LOG DATE 83/07/24
 EXAMINED BY J. EISENMAN

TOP	BASE	SEAM	SAM NUM	THIK	% REC MAJ	MINOR	DETAIL	DEPTH	C.B.A.
42.05	43.18	2		1.13	42	COAL	GOUGE & RUBBLE, DULL WITH MINOR BRIGHT. .47/1.13		
43.18	44.39			1.21	0	MDST	RUBBLE, FRIABLE, CARBONACEOUS, DARK GREY		
44.39	44.76	2		.37	27	COAL	DULL. .1/.37		
44.76	46.11			1.35	0	MDST BEDS RIGHT SIDE UP	DARK GREY WITH WHITE SILTSTONE INTERLAMINATIONS WITH MEDIUM SANDSTONE		
46.11	50.90			4.79	0	SLST	AS ABOVE WITH IRONSTONE INTERBEDDED. STICK	46.00	66
								50.00	75
50.90	62.00			11.10	0	MDST	RUBBLE & GOUGE 55.5-60.4. DARK GREY, SILTY MUDSTONE, RELATIVELY MASSIVE WITH SOME IRONSTONE PARTING, STICK	59.00	72
62.00	78.40			16.40	0	SS	VERY FINE GRAIN, MEDIUM GREY WITH MINOR MUDSTONE PARTINGS, MODERATE TO LIGHT FRACTURING WITH SOME CARBONACEOUS DEBRIS; CORRELATES WITH THE BOTTOM MARKER ON GEO. LOG, RELATIVELY MASSIVE		
78.40	80.38			1.98	0	SS	MEDIUM GRAIN, GREEN/GREY WITH MINOR CARBONACEOUS DEBRIS		
80.38	87.40			7.02	0	SS	SAME AS 62.0-78.4. NOTE: THE LAST 20M BEDDING IS		

CORE DESCRIPTION

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HOLE ID TW83D-329
 PROJECT TELKWA
 LOG DATE 83/08/11
 EXAMINED BY D. DANDREA

TOP	BASE SEAM	SAM NUM	THIK	% REC MAJ MINOR	DETAIL	DEPTH	C.B.A.
.00	7.61		7.61	0 OB			
7.61	7.62		.01	0 VOLC	THE TOP .1M OF CORE SEEMS TO HAVE DRILLED THROUGH A VOLCANIC BOULDER		
7.62	19.82		12.20	0 SS	FINE GRAIN, MEDIUM TO LIGHT GREY WITH MINOR MUDSTONE INTER-LAMINATIONS, MINOR CALCITE REHEALING NEAR THE BOTTOM OF THE RUN, ALSO MINOR BROWN/GREY IRONSTONE PARTING, BROKEN WITH RUBBLE	16.50	78
19.82	35.66		15.84	0 SS	VERY FINE GRAIN, MEDIUM TO DARK GREY WITH THE SAME MINOR LITHOLOGIES AS ABO VE, BROKEN WITH RUBBLE	30.50	72
35.66	47.10		11.44	0 SLST	DARK GREY, MORE MASSTIVE, SLIGHTLY CARBONACEOUS WITH CALCITE REHEALED IRONST ONE PARTINGS UP TO .2M. MINOR CROSS BEDDING INDICATION BEDS RIGHT SIDE UP. BROKEN WITH RUBBLE	45.80	75
47.10	47.85		.75	0 SLST	AS ABOVE BUT RUBBLE WITH POLISHED ZONES		
47.85	49.10		1.25	0 SS	GREEN/GREY, FINE TO MEDIUM GRAIN, CONTAINS PYRITE & IRONSTONE NODULES		
49.10	49.20		.10	0 SH	BLACK CARBONACEOUS - POOR VISUAL CONTACT WITH COAL		

CORE DESCRIPTION

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HOLE ID TW83D-329
 PROJECT TELKWA
 LOG DATE 83/08/11
 EXAMINED BY D. DANDREA

TOP	BASE	SEAM	SAM NUM	THIK	% REC	MAJ	MINOR	DETAIL	DEPTH	C.B.A.
49.20	49.85	10	753	.65	89	COAL		MOSTLY DURAIN WITH VERY MINOR VITRAIN, CALCITE & PYRITE IN MINOR QUANTITIES		
49.85	53.60			3.75	0	SS		VERY FINE GRAIN, WHITE & DARK GREY SILTSTONE INTERLAMINATIONS, THINLY BEDDE D, MINOR SANDSTONE, 3CM BLACK SHALE - POOR CONTACT WITH COAL	52.00	75
53.60	54.46	9	754	.86	81	COAL		DURAIN WITH MINOR VITRAIN <5% WITH MINOR CALCITE PARTING & PYRITE. LIGHTLY SLICKENSIDED, BROKEN STICK WITH RUBBLE. .7/.86		
54.46	54.84			.38	0	MDST		DARK GREY, RUBBLE, VERY FRIABLE		
54.84	56.80	8	755	1.96	91	COAL		DURAIN WITH MINOR VITRAIN <5% MINOR CALCITE & PYRITE MUDSTONE, BROKEN STICK 1.78/1.96		
56.80	63.00			6.20	0	SLST		DARK GREY & WHITE, THINLY LAMINATED WITH FINE GRAINED IRONSTONE PARTINGS, BROKEN	57.00	70
63.00	65.00			2.00	0	SS		SALT & PEPPER, COARSE GRAIN SANDSTONE PARTINGS, MEDIUM GRAIN, GREY WITH DARK SILTSTONE INTERBEDS AND IRONSTONE PARTINGS	60.00	75
65.00	70.20			5.20	0	SLST SANDSTONE		LIGHT GREY, FINE GRAINED WITH GREEN SANDSTONE AND IRONSTONE, BROKEN		

CORE DESCRIPTION

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HOLE ID TW83D-329
 PROJECT TELKWA
 LOG DATE 83/08/11
 EXAMINED BY D. DANDREA

TOP	BASE SEAM	SAM NUM	THIK	% REC MAJ MINOR	DETAIL	DEPTH	C.B.A.
70.20	70.60		.40	0 SLST COAL	CARBONACEOUS SILTSTONE, VITRAIN FRAGMENT, NON-MINEABLE		
70.60	70.70		.10	0 SLST	DARK GREY, CARBONACEOUS		
70.70	71.90		1.20	0 SS SILTSTONE	LIGHT GREY, FINE GRAINED, CARBONACEOUS		
71.90	73.30		1.40	0 SS	GREEN WITH IRONSTONE AND DARK GREY SILTSTONE PARTINGS, BROKEN. CALCITE STRINGERS IN IRONSTONE	72.20	70
73.30	74.60		1.30	0 SLST	DARK GREY WITH IRONSTONE PARTINGS (CALCITE) AND 2MM VITRAINS LENSES (CALCIT E), BROKEN AND CRUMBLY		
74.60	76.07		1.47	0 SH SLICKENSIDES	BLACK, CARBONACEOUS, VITRAIN BANDS (CALCITE). POOR CONTACT WITH COAL		
76.07	77.26	756	1.19	77 COAL	MOSTLY DURAIN WITH VITRAIN BANDS, FLAKE PYRITE & PYRITIC MUD LENSES. CALCI TE NETWORK IN VITRAIN. SOME COAL PIECES EXTREMELY LIGHT		
77.26	77.60		.34	0 SH SLICKENSIDES	DARK GREY, CARBONACEOUS		
77.60	81.90		4.30	0 SS SLICKENSIDES	LIGHT - DARK GREY WITH SANDSTONE & IRONSTONE SPLITS, BROKEN	79.00	80
81.90	83.10		1.20	0 SS	BREEN SANDSTONE WITH IRONSTONE		

CORE DESCRIPTION

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HOLE ID TW83D-329
 PROJECT TELKWA
 LOG DATE 83/08/11
 EXAMINED BY D. DANDREA

TOP	BASE	SEAM	SAM NUM	THIK	% REC MAJ MINOR	DETAIL	DEPTH	C.B.A.
						(CALCITE) AND SHALE PARTINGS		
83.10	85.64	6	757	2.54	83 COAL	10CM VITRAIN AT TOP THEN 10CM BLACK SHALE PARTING 0.8M. BLOCKY & BANDED VITRAIN - NO FLAKE PYRITE OR CALCITE, SOME SLICKENSIDES. SANDSTONE BANDS ABOVE, BLOCKY DURAIN, NO PYRITIC MUDS PRESENT. 10CM BLACK SHALE INTERBEDD ED AT TOP CONTACT (SAMPLED)		
85.64	88.62			2.98	0 SH SLICKENSIDES	BLACK WITH IRONSTONE & GREY MUDSTONE PARTINGS, BROKEN & CRUMBLY		
88.62	88.78			.16	0 COAL	NO COAL RECOVERED		
88.78	89.00			.22	0 SH SLICKENSIDES	BLACK, CARBONACEOUS		
89.00	90.55			1.55	0 MDST SLICKENSIDES	LIGHT GREY BANDED WITH IRONSTONE (CALCITE), BEDDING DISTORTED BY FAULTS/ SLOUGHS - 1CM DISPLACEMENT	89.20	80
90.55	92.42			1.87	0 SH SLICKENSIDES	DARK GREY WITH IRONSTONE AND MUDSTONE BANDS		
92.42	92.52			.10	0 SH SLICKENSIDES	BLACK, POOR COLOUR CONTACT WITH COAL - WHITE SANDSTONE BAND AT CONTACT		
92.52	94.74	6	758	2.22	85 COAL SLICKENSIDES	DURAIN WITH VITRAIN BANDS, NO FLAKE OR MUD PYRITE OBSERVED. IRONSTONE BAND OBSERVED AT 93.5M. LIGHT		

CORE DESCRIPTION

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HOLE ID TWB3D-329
 PROJECT TELKWA
 LOG DATE 83/08/11
 EXAMINED BY D. DANDREA

TOP	BASE	SEAM	SAM NUM	THIK	% REC MAJ	MINOR	DETAIL	DEPTH	C.B.A.
							BROWN COLOUR, BLOCKY, COAL BROKEN		
94.74	94.82			.08	0	SH	BLACK, CARBONACEOUS, POOR COLOUR CONTACT WITH COAL		
94.82	96.76			1.94	0	SH	GREEN-BLACK WITH COAL STRINGERS AND IRONTONE		
96.76	97.26			.50	0	SH	BLACK CARBONACEOUS SHALE, POOR CONTACT WITH COAL		
97.26	97.75		759	.49	98	COAL	BLACK DURAIN WITH VITRAIN AND CALCITE NETWORK		
97.75	97.80			.05	0	SH	BLACK CARBONACEOUS SHALE, POOR CONTACT WITH COAL		
97.80	98.04			.24	0	MDST	VITRAIN BANDS WITH CALCITE		
98.04	98.75			.71	0	COAL	NO COAL RECOVERED		
98.75	99.35			.60	0	MDST	GREY IRONSTONE WITH CALCITE STRINGERS ACROSS BEDDING		
99.35	101.49			2.14	0	SS	GREEN FINE GRAINED WITH IRONSTONE & MUDSTONE STRINGERS, BROKEN	100.00	70
101.49	101.59			.10	0	SS	BROWN FINE GRAINED WITH CALCITE AT COAL CONTACT, GOOD VISUAL CONTACT WITH COAL		
101.59	104.00	5	760	2.41	83	COAL	BLOCKY MASSIVE COAL, MOSTLY		

CORE DESCRIPTION

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HOLE ID TW83D-329
 PROJECT TELKWA
 LOG DATE 83/08/11
 EXAMINED BY D. DANDREA

TOP	BASE	SEAM	SAM NUM	THIK	% REC	MAJ	MINOR	DETAIL	DEPTH	C.B.A.
								DURAIN, SOME VITRAIN SPLITS CONTAINING CALCITE NETWORK. IRONSTONE & MUDSTONE CONTAMINATION AT 102.2 & 103.5, NO OBSERVABL E PYRITE		
104.00	104.40			.40	0	SH		FINE GRAINED BLACK, POOR VISUAL CONTACT WITH COAL		
104.40	106.66			2.26	0	SH	SLICKENSIDES	BANDED WITH IRONSTONE, GREY		
106.66	107.61		761	.95	92	COAL		CALCITE STRINGER AT CONTACT, MASSIVE DURAIN WITH 10CM CRUMBLD VITRAIN. VERY POOR LOWER CONTACT WITH CARBONACEOUS SHALE		
107.61	107.81			.20	0	SH		BLACK CARBONACEOUS SHALE WITH VITRAIN (CALCITE)		
107.81	110.76			2.95	0	SH		GREY TO BLACK WITH IRONSTONE, BANDED		
110.76	110.95			.19	100	COAL		THIN WITH CALCITE & MUDSTONE LENSES, VERY POOR COLOUR, DISTINCTION WITH NEIGHBOURING SHALES		
110.95	111.30			.35	0	SH		BLACK, FINE GRAINED		
111.30	111.90			.60	0	SS		FINE GRAINED, LIGHT BROWN, BROKEN	111.50	75
111.90	113.40			1.50	0	MDST		BANDED, GREY WITH IRONSTONE,		

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HOLE ID TW83D-329
 PROJECT TELKWA
 LOG DATE 83/08/11
 EXAMINED BY D. DANDREA

TOP	BASE SEAM	SAM NUM	THIK	% REC MAJ	MINOR	DETAIL	DEPTH	C.B.A.
						BROKEN		
113.40	113.80		.40	0 SS		LIGHT BROWN		
113.80	114.30		.50	0 MDST		DARK GREY, PYRITE LENS AT COAL CONTACT. POOR VISUAL CONTACT WITH COAL		
114.30	116.24 4	762	1.94	77 COAL		MASSIVE DURAIN WITH VITRAIN BANDS. CALCITE IN VITRAIN NEAR BOTTOM CONTACT		
116.24	116.64		.40	0 SH		CARBONACEOUS SHALE, VITRAIN BANDS WITH CALCITE NETWORK, PYRITE NODULE		
116.64	118.18		1.54	0 SH	SLICKENSIDES	GREY SHALE, BROKEN & CRUMBLY, IRONSTONE WITH CALCITE. PYRITIC MUD LENS AT COAL CONTACT		
118.18	118.72	763	.54	75 COAL		POOR TOP AND BOTTOM CONTACTS. MASSIVE DURAIN COAL		
118.72	118.92		.20	0 SH		BLACK CARBONACEOUS CONTAINING PYRITE NODULE		
118.92	120.32		1.40	0 SH	SLICKENSIDES	LIGHT GREY WITH IRONSTONE CONTAINING CALCITE. VITRAIN STRINGERS	119.00	90
120.32	120.94	764	.62	73 COAL		MASSIVE DURAIN WITH WEATHERED PYRITE AT TOP. PYRITE NODULES AT BOTTOM CONTACT		
120.94	121.00		.06	0 SH	SLICKENSIDES	LIGHT GREY SHALE, CRUMBLY, FRACTURED		

CORE DESCRIPTION

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HOLE ID TW83D-329
 PROJECT TELKWA
 LOG DATE 83/08/11
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TOP	BASE SEAM	SAM. NUM	THIK	% REC MAJ	MINOR	DETAIL	DEPTH	C.B.A.
121.00	122.40		1.40	0 SH		BANDED DARK GREY SHALE WITH IRONSTONE		
122.40	123.00		.60	0 SS		GREEN WITH BLACK MUDSTONE LAYERS		
123.00	128.65		5.65	0 SS	SLICKENSIDES	LIGHT BROWN TO GREY WITH BLACK MUDSTONE & IRONSTONE WITH CALCITE, BROKEN & SOME RUBBLE AT 125.6. MOVEMENT DETECTED AT 128.0M. MEDIUM-COARSE GRAIN	128.00	30
128.65	136.15		7.50	0 SS		GREY SANDSTONE, MEDIUM GRAINED WITH IRONSTONE (CALCITE) & DARK GREY MUDSTONE BANDS, BROKEN		
136.15	136.35		.20	0 SH		CARBONACEOUS SHALE		
136.35	140.78		4.43	0 SH		BROWN-GREY, BROKEN FRACTURED. CALCITE LENS AT 140.5. PYRITIC MUDSTONE AT 140.6. TOP CONTACT WITH COAL IS SHARP		
140.78	141.85	3	1.07	79	COAL	MASSIVE DURAIN WITH CALCITE NETWORK IN MUDSTONE. SWIRLED IN AT BOTTOM CONTACT		
141.85	143.00		1.15	0 SH		INTERBEDDED GREY SHALE WITH MUDSTONE. CARBONACEOUS GRADING TO 10CM BLACK CARBONACEOUS SHALE AT COAL CONTACT, POOR VISUAL CONTACT		

CORE DESCRIPTION

03/07/84

HOLE ID TWB3D-329
 PROJECT TELKWA
 LOG DATE 83/08/11
 EXAMINED BY D. DANDREA

TOP	BASE	SEAM	SAM NUM	THIK	% REC MAJ	MINOR	DETAIL	DEPTH	C.B.A.
							WITH COAL		
143.00	143.74	3	766	.74	88	COAL	MASSIVE DURAIN - NEGLIGIBLE VITRAIN PYRITIC MUD AT TOP CONTACT. BROWN WAXY SHALE PARTING AT BOTTOM		
143.74	144.20			.46	0	SH	LIGHT GREY, BROKEN SHALE PARTING		
144.20	144.33			.13	0	SH	CARBONACEOUS SHALE WITH 5CM COAL		
144.33	144.63			.30	0	SH	LIGHT GREY BROKEN SHALE		
144.63	148.72			4.09	0	SH	INTERBEDDED MUDSTONE WITH IRONSTONE (CALCITE)	148.00	90
148.72	149.02			.30	0	SH	BLACK CARBONACEOUS SHALE WITH PYRITIC MUDSTONE LENSES. VERY POOR VISUAL CONTACT WITH COAL		
149.02	151.12	2	767	2.10	38	COAL	DURAIN DULL COAL. PYRITIC MUD LENS AT 149.3, MUDSTONE RUBBLE PARTING AT 150.3. VITRAIN WITH CALCITE NETWORK 150.3-151.12		
151.12	152.08			.96	0	SH SLICKENSIDES	BLACK CARBONACEOUS VITRAIN BANDS WITH CALCITE NETWORK. POOR VISUAL CONTACT WITH COAL		
152.08	152.24	2	768	.16	100	COAL	VITRAIN WITH CALCITE NETWORK		

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HOLE ID TW83D-329
 PROJECT TELKWA
 LOG DATE 83/08/11
 EXAMINED BY A. MCINTYRE

TOP	BASE SEAM	SAM NUM	THIK	% REC MAJ MINOR	DETAIL	DEPTH	C.B.A.
					VERY DIRTY WEATHERED PYRITE PRESENT		
152.24	152.80		.56	0 SH	DARK GREY CARBONACEOUS, POOR VISUAL CONTACT WITH COAL		
152.80	153.18 2	769	.38	70 COAL	DULL WITH VITRAIN BANDS. WEATHERED PYRITE		
153.18	153.33		.15	0 SH	BLACK CARBONACEOUS, POOR VISUAL CONTACT WITH COAL		
153.33	154.13		.80	0 MDST	GREY, CARBONACEOUS, FINE GRAINED, VITRAIN BANDS		
154.13	154.63		.50	0 SH	BLACK CARBONACEOUS WITH 5CM VITRAIN BAND CONTAINING CALCITE NETWORK		
154.63	156.20		1.57	0 MDST	CARBONACEOUS, GREY VITRAIN BANDS, BROKEN	156.00	75
156.20	164.80		8.60	0 MDST	LIGHT - MEDIUM GREY WITH IRONSTONE BANDS CONTAINING CALCITE, BROKEN		
164.80	164.90		.10	0 SS	MEDIUM GRAINED LENS - SLUMPING BELOW LENS		
164.90	174.40		9.50	0 MDST	MEDIUM GREY WITH IRONSTONE BANDS CONTAINING CALCITE, BROKEN		
174.40	175.50		1.10	0 SH	BLACK - DARK GREY		
175.50	180.80		5.30	0 MDST	MEDIUM GREY WITH SANDSTONE BANDS		
180.80	192.50		11.70	0 MDST	FINE GRAINED MEDIUM GREY,		

CORE DESCRIPTION

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HOLE ID TW83D-330
 PROJECT TELKWA
 LOG DATE 83/08/16
 EXAMINED BY J. EISENMAN

TOP	BASE SEAM	SAM NUM	THIK	% REC MAJ MINOR	DETAIL	DEPTH	C.B.A.
.00	6.10		6.10	0 0B	NOT CORED		
6.10	56.45		50.35	0 SLST	MICACEOUS, DARK GREY, R1, UPPER 13M HAS SEVERAL THIN IRONSTONE BANDS	16.20	69
					THROUGHOUT, SOME SECTIONS VERY FRIABLE, R3, FROM 18.4-19.0M	20.20	72
					BEDDING IS MAINLY POORLY DEVELOPED, MINOR COAL TRACES, MINOR CALCITE ALONG FRACTURES	24.70	72
						31.80	55
						35.30	54
56.45	59.40		2.95	0 SS1	GREEN, R2, BROKEN, MASSIVE, MICACEOUS		
59.40	59.97		.57	0 SS1	GREY, R2, MICACEOUS	59.80	61
59.97	60.93		.96	0 MDST CARBONACEOUS	DARK GREY, R1, BROKEN		
60.93	90.28		29.35	0 SS1	MICACEOUS, GREY, THINLY BEDDED; SOME SECTIONS POORLY DEVELOPED.	61.20	60
					MAINLY BROKEN STICK, SEVERAL IRONSTONE BANDS, WORM BURROWS	62.60	63
						63.50	63
						67.40	64
90.28	90.58		.30	0 MDST SS1 INTERBEDDED	BADLY BROKEN	68.90	65

CORE DESCRIPTION

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HOLE ID TW83D-330
 PROJECT TELKWA
 LOG DATE 83/08/16
 EXAMINED BY J. EISENMAN

TOP	BASE SEAM	SAM NUM	THIK	% REC MAJ MINOR	DETAIL	DEPTH	C.B.A.
						69.40	68
90.58	90.76	770	.18	57 COAL	BROKEN, DULL. RECOVERED 0.06	71.50	68
						71.90	40
90.76	90.91		.15	0 MDST	DARK GREY, BADLY BROKEN. RECOVERED 0.10	73.00	35
						76.50	30
90.91	91.08	770	.17	57 COAL	DULL, BADLY BROKEN. RECOVERED 0.10	81.70	34
						87.40	33
91.08	91.18		.10	0 MDST	PROBABLY MUDSTONE	87.60	66
						89.60	70
91.18	91.44	770	.26	57 COAL	BROKEN, LUSTEROUS. RECOVERED 0.23	90.20	66
91.44	91.86		.42	0 MDST	DARK GREY, CRUSHED. RECOVERED 0.30		
91.86	92.04		.18	0 MDST	PROBABLY COAL		
92.04	92.74		.70	0 SS†	GREY, R2		

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-330
 PROJECT TELKWA
 LOG DATE 83/08/16
 EXAMINED BY J. EISENMAN

TOP	BASE	SEAM	SAM NUM	THIK	% REC	MAJ	MINOR	DETAIL	DEPTH	C.B.A.
92.74	96.45			3.71	0	MDST	SLICKENSIDED	BADLY BROKEN, DARK GREY		
96.45	97.35			.90	0	SS1		GREENISH GREY, R2, BROKEN		
97.35	120.60			23.25	0	SLST		GREY, R1, SOME R3 SECTIONS. POORLY DEVELOPED BEDDING. CORE IS MAINLY BROKEN STICK WITH SOME VERY FRIABLE SECTIONS, MINOR IRONSTONE BANDING, SEVERAL CALCITE HEALED FRACTURES		
120.60	123.59			2.99	0	SS1		GREEN, R2, BROKEN STICK, SOME CALCITE ALONG FRACTURES, MICACEOUS, POORLY DEVELOPED BEDDING		
123.59	130.35			6.76	0	SS1		R2, GREY, CONVOLUTED AND BIOTURBATED BEDDING, MAINLY STICK	126.40	70
									127.60	69
130.35	175.87			45.52	0	SLST	SS1 INTERBEDDED	DARK GREY, MICACEOUS, 90% SILTSTONE, MINOR BIOTURBATION	130.30	73
								BROKEN STICK, MAINLY THINLY BEDDED - SOME POORLY DEVELOPED SECTIONS	131.70	71
								R2, SEVERAL THIN IRONSTONE BANDS	133.30	66
								TOTAL DEPTH AT 175.87	136.30	66

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-331
 PROJECT TELKWA
 LOG DATE 83/07/25
 EXAMINED BY D. DANDREA

TOP	BASE SEAM	SAM NUM	THIK	% REC MAJ MINOR	DETAIL	DEPTH	C.B.A.
.00	11.08		11.08	0 08			
11.08	28.44		17.36	84 SLST	DARK GREY SILTSTONE WITH MEDIUM GRAIN LIGHT GREY SANDSTONE AND BROWN/GREY IRONSTONE PARTING, RUBBLE & POWDER WHERE BROKEN. 14.08/17.36	29.00	65
28.44	28.98		.54	0 MDST	DARK GREY, BROKEN STICK		
28.98	30.88		1.90	0 SS	BROWN/GREY, FINE GRAIN, BROKEN, MASSIVE	29.70	66
30.88	42.86		11.98	0 MDST	RUBBLE & POWDER @ 40.41. DARK GREY, SLIGHTLY CARBONACEOUS WITH IRONSTONE. STICK AND BROKEN STICK, WITH BROKEN	39.50	73
42.86	44.59		1.73	0 SS	DETRITAL VOLCANIC POWDER AT 43.36. GREEN, FINE TO MEDIUM GRAIN, BROKEN WITH MINOR COAL WISPS		
44.59	44.80		.21	0 MDST	DARK GREY, CARBONACEOUS, POWDERED AT TOP		
44.80	51.60		6.80	0 MDST	IRONSTONE PARTING AT 52.0-52.09 AND 50.85-50.9. DARK GREY MUDSTONE AND LIGHT GREY SILTSTONE INTERLAMINATED WITH MINOR SANDSTONE (SOFT SEDIMENTARY DEFORMATION), BROKEN AND BROKEN STICK	50.90	75

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-331
 PROJECT TELKWA
 LOG DATE 83/07/25
 EXAMINED BY D. DANDREA

TOP	BASE SEAM	SAM NUM	THIK	% REC MAJ	MINOR	DETAIL	DEPTH	C.B.A.
51.60	52.10		.50	0	MDST	DARK GREY, BROKEN AND RUBBLE	52.00	70
52.10	52.64 9	720	.54	40	COAL	DULL RUBBLE. .2/.51		
52.64	53.76		1.12	0	MDST	DARK GREY, RUBBLE		
53.76	55.22 8	721	1.46	53	COAL	DULL WITH BRIGHT, RUBBLE & POWDER, WITH BROKEN. .77/1.46		
55.22	58.92		3.70	0	MDST	DARK GREY MUDSTONE AND LIGHT GREY SILTSTONE INTERLAMINATED WITH MINOR SANDSTONE. MODERATELY SLICKENSIDED	57.00	65
58.92	66.47		7.55	0	SLST	MEDIUM GREY WITH EXTENSIVE COARSE GRAIN SALT & PEPPER SANDSTONE AND BROWN/ GREY. VERY FINE GRAIN IRONSTONE PARTINGS	60.50	76
66.47	69.70		3.23	0	MDST	AS ABOVE BUT SILTSTONE HAS BECOME MUDSTONE		
69.70	69.80 0		.10	100	COAL	CLARAIN & DURAIN WITH VERY MINOR VITRAIN BANDS		
69.80	72.70		2.90	0	MDST	AS ABOVE	70.43	65
72.70	73.62 7	722	.92	100	COAL	DULL WITH BRIGHT BANDS		
73.62	73.74		.12	0	MDST	DARK GREY (SHALEY)		

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-331
 PROJECT TELKWA
 LOG DATE 83/07/25
 EXAMINED BY D. DANDREA

TOP	BASE	SEAM	SAM NUM	THIK	% REC MAJ MINOR	DETAIL	DEPTH	C.B.A.
73.74	73.94	7		.20	100 COAL	DULL WITH BRIGHT BANDS		
73.94	76.38			2.44	0 MDST	DARK GREY MUDSTONE AND LIGHT GREY SILTSTONE INTERLAMINATED WITH MINOR IRONSTONE PARTINGS		
76.38	80.26			3.88	0 SLST	LIGHT GREY WITH DARK GREY MUDSTONE AND MEDIUM GREY FINE GRAIN SANDSTONE INTERBED, LIGHT SANDSTONE THROUGHOUT	78.00	75
80.26	80.64	6	723	.38	64 COAL	DULL WITH MINOR VITRAIN WISPS AND BANDS, RUBBLE		
80.64	81.04	6	723	.40	64 COAL	AS ABOVE, POWDER		
81.04	82.24	6	723	1.20	64 COAL	AS ABOVE, RUBBLE AND BROKEN STICK. 1.44/2.26		
82.24	82.38			.14	0 SLST PYRITE	DARK GREY/BROWN WITH CALCITE REHEALING		
82.38	82.52	6	723	.14	64 COAL	DULL WITH MINOR VITRAIN WISPS		
82.52	85.42			2.90	0 MDST	CARBONACEOUS, RUBBLE AND POWDER AT BOTTOM WITH LIGHT GREY SILTSTONE INTER LAMINATIONS		

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-331
 PROJECT TELKWA
 LOG DATE 83/07/25
 EXAMINED BY D. DANDREA

TOP	BASE SEAM	SAM NUM	THIK	% REC MAJ MINOR	DETAIL	DEPTH	C.B.A.
85.42	87.78		2.36	0 SLST	MEDIUM GREY WITH VERY FINE GRAIN WHITE INTERLAMINATIONS		
87.78	88.62		.84	0 SS	VERY FINE GRAIN DARK GREY WITH MINOR WHITE FINE GRAIN INTERLAMINATIONS. BROKEN STICK & BROKEN. WITH MINOR IRONSTONE PARTINGS	88.24	75
88.62	89.10		.48	0 MDST	CARBONACEOUS		
89.10	91.14 6	724	2.04	80 COAL	DULL WITH VITRAIN BANDS (5%). 1.64/2.04		
91.14	92.10		.96	0 SLST	DARK GREY, MASSIVE, BROKEN AND RUBBLE		
92.10	92.60		.50	0 IRST	BROWN/GREY WITH CALCITE REHEALING		
92.60	95.84		3.24	0 MDST	DARK GREY, SILTY WITH MINOR COAL WISPS AND IRONSTONE PARTINGS		
95.84	96.38 0	725	.54	68 COAL	DULL WITH MINOR VITRAIN BANDS, RUBBLE, MINOR PYRITE. .37/.54		
96.38	100.62		4.24	0 SLST	DARK GREY & WHITE, THINLY LAMINATED WITH FINE GRAIN GREY/GREEN SANDSTONE & IRONSTONE PARTING WITH A 0.09 COAL PARTING ON BOTTOM HALF METER	98.00	68
100.62	101.40 0		.78	0 COAL	CLARAIN OR DURAIN WITH MINOR VITRAIN BANDS, BROKEN		
101.40	101.52		.12	0 MDST			

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-331
 PROJECT TELKWA
 LOG DATE 83/07/25
 EXAMINED BY D. DANOREA

TOP	BASE SEAM	SAM NUM	THIK	% REC MAJ MINOR	DETAIL	DEPTH	C.B.A.
101.52	101.69 Q	726	.17	40 COAL	AS ABOVE.	.42/1.07	
101.69	107.24		5.55	0 SLST	DARK GREY AND LIGHT GREY WITH FINE GRAIN GREY/GREEN SANDSTONE (EXTENSIVE ON BOTTOM 0.4M) AND IRONSTONE PARTING, MINOR SANDSTONE		
107.24	108.56 5		1.32	0 COAL	CLARAIN & DR DURAIN WITH VITRAIN BANDS, RUBBLE WITH BROKEN		
108.56	108.68		.12	0 MDST	DARK GREY, CARBY, SLICKENSIDED, RUBBLE		
108.68	110.08 5	727	1.40	73 COAL	AS ABOVE WITH MINOR PYRITE.	110.10	58
110.08	119.13		9.05	0 SLST	LIGHT GREY SILTSTONE & DARK GREY MUDSTONE, THINLY LAMINATED WITH MINOR SANDSTONE & IRONSTONE PARTING WHICH CONTAIN CALCITE REHEALING & PARTINGS	112.00	60
119.13	120.03		.90	0 SS	FINE GRAIN BLACK, CARBONACEOUS, WITH MINOR BROWN PARTINGS		
120.03	120.50		.47	0 MDST	BLACK, CARBONACEOUS		
120.50	122.52 4		2.02	73 COAL	RUBBLE & POWDER AT TOP. CLARAIN OR/& DURAIN WITH FREQUENT VITRAIN BANDS, BROKEN & RUBBLE WITH POWDER.	1.48/2.02	

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-331
 PROJECT TELKWA
 LOG DATE 83/07/25
 EXAMINED BY D. DANDREA

TOP	BASE SEAM	SAM NUM	THIK	%	REC MAJ MINOR	DETAIL	DEPTH	C.B.A.
122.52	124.24		1.72	0	MDST	DARK GREY, BROKEN & RUBBLE, MODERATELY SLICKENSIDED, HIGHLY CARBONACEOUS WITH AN IRONSTONE PARTING .01 AT .7M		
124.24	133.70		9.46	0	SS	MODERATELY SLICKENSIDED, FINE TO MEDIUM GRAIN, GREY/GREEN WITH MINOR THIN DARK GREY MUDSTONE INTERBEDS AND IRONSTONE PARTINGS	127.00	70
133.70	135.94		2.24	0	MDST	DARK GREY WITH MINOR THIN WHITE SILTSTONE INTERLAMINATIONS & IRONSTONE PARTING, WITH GREEN SANDSTONE INTERBED ON THE BOTTOM .2M	133.00	72
135.94	137.14	3	729	1.20	92 COAL	(3 SEAM REPEAT) CLARAIN &/OR DURAIN WITH VITRAIN BANDS (<5%) UP TOO .02M, STICK WITH RUBBLE AND REPEAT FROM THE TOP. 1.1/1.2	135.94	68
137.14	137.90		.76	0	MDST THRUST FAULT	CARBONACEOUS, SHALEY, FRIABLE		
137.90	138.68	3	731	.78	100 COAL	AS ABOVE WITH A BENTONITE PARTING .01M?		
138.68	145.94		7.26	0	MDST	GOUGE IN THE MIDDLE OF THE SECTION POSSIBLE AREA OF THRUST, DARK GREY WITH MINOR THIN WHITE SILTSTONE INTERLAMINATIONS & IRONSTONE PARTING WITH GREEN SANDSTONE INBEDDED ON BOTTOM .7M (MINOR PYRITE AT BOTTOM)		
145.94	147.12	3	731	1.18	89 COAL	AS THE REPEAT WITH LESS		

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-331
 PROJECT TELKWA
 LOG DATE 83/07/25
 EXAMINED BY D. DANDREA

TOP	BASE	SEAM	SAM NUM	THIK	% REC MAJ	MINOR	DETAIL	DEPTH	C.B.A.
							VITRAIN		
147.12	147.80			.68	0	MDST	RUBBLE AND POWDER		
147.80	148.60	3		.80	0	COAL	AS ABOVE REPEAT SEAM, WITH BENTONITE PARTING. 2.38/2.66	148.61	71
148.60	153.70			5.10	0	MDST	DARK GREY SLIGHTLY CARBONACEOUS WITH GREY/GREEN SILTSTONE INTERLAMINATIONS	150.00	75
153.70	153.86	2	732	.16	100	COAL	DULL WITH EXTREMELY MINOR VITRAIN		
153.86	154.27			.41	0	MDST	CARBONACEOUS, SHALEY, DULL		
154.27	155.07	2		.80	0	COAL	.8/1.81		
155.07	155.18			.11	0	MDST	AS ABOVE		
155.18	155.50	2	733	.32	45	COAL	DULL POWDER AND RUBBLE. .8/1.81		
155.50	155.68			.18	0	MDST	CARBONACEOUS, SLIGHTLY SLICKENSIDED		
155.68	156.88	2		1.20	0	COAL	DULL. .8/1.81		
156.88	159.20			2.32	0	MDST	DARK GREY, CARBONACEOUS AND SILTY, STICK	156.10	71
159.20	161.60			2.40	0	SS	BROWN/GREY, FINE GRAIN	160.00	65

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-331
 PROJECT TELKWA
 LOG DATE 83/07/25
 EXAMINED BY D. DANDREA

TOP	BASE SEAM	SAM NUM	THIK	% REC MAJ MINOR	DETAIL	DEPTH	C.B.A.
					COARSENING UPWARDS DOWN SECTION TO COARSE GRAIN WITH MINOR MUDSTONE INTERBEDS		
161.60	165.30		3.70	0 MDST	DARK GREY TO MEDIUM GREY WITH THE ABOVE SANDSTONE INTERBEDDED & IRONSTONE PARTINGS	165.20	74
165.30	165.60 0	734	.30	70 COAL	DULL WITH <5% VITRAIN. .21/.3		
165.60	166.54		.94	0 MDST	MEDIUM GREY, CARBONACEOUS ON FOOTWALL & HANGWALL		
166.54	167.18 0	735	.64	81 COAL	AS ABOVE. .52/.64	168.00	72
167.18	185.00		17.82	0 MDST	DARK TO MEDIUM GREY MUDSTONE WITH WHITE SILTSTONE INTERLAMINATIONS & MINOR IRONSTONE PARTINGS. STICK CORE, BEDDING IS 65-70 DEGREES FROM THE HORIZONTAL WITH LITTLE DEVIATION. TOTAL DEPTH AT 185.0		

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-332

PROJECT TELKWA

LOG DATE 83/08/17

EXAMINED BY J. EISENMAN

TOP	BASE SEAM	SAM NUM	THIK	% REC MAJ MINOR	DETAIL	DEPTH	C.B.A.
.00	18.67		18.67	0 0B	NOT CORED		
18.67	19.97		1.30	0 SLST	DARK GREY, R1, GROUND UP BY DRILLING. RECOVERED 1.30		
19.97	25.80		5.83	0 SS1 SLST	THICKLY LAMINATED, R2, BROKEN STICK, GREY, MINOR CROSS BEDDING, THIN IRONSTONE BANDING. RECOVERED 5.6	20.60	48
						21.10	53
						21.60	61
						22.90	65
						24.50	60
25.80	33.92		8.12	0 SS1 SILTSTONE INTERBEDDED	DARK GREY, R2, BROKEN STICK, INCREASING SILTSTONE AT BOTTOM, BIOTURBATION, THINLY BEDDED. RECOVERED 8.12	25.70	53
						26.50	65
						28.70	64
						30.10	67
33.92	70.63		36.71	0 SLST SLICKENSIDES	BIOTURBATED, MAINLY POORLY DEVELOPED, MASSIVE BEDDING, SOME THINLY BEDDED SECTIONS. DARK GREY, SEVERAL THIN IRONSTONE BANDS, R2, BROKEN STICK. A FEW CALCITE HEALED FRACTURES, A FEW MINOR POLISHED AND SLICKENSIDED	45.60	64
						48.40	58
						50.40	59

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-332
 PROJECT TELKWA
 LOG DATE 83/08/17
 EXAMINED BY J. EISENMAN

TOP	BASE	SEAM	SAM NUM	THIK	% REC MAJ MINOR	DETAIL	DEPTH	C.B.A.
33.92	70.63			36.71	0 SLST SLICKENSIDES	FRACTURES. RECOVERED 35.3M	51.80	59
						MINOR SS1 LENSING, 19CM SS1, R3 BAND AT 63.42M	55.80	66
							57.50	64
							59.10	70
							61.80	69
							63.80	73
70.63	72.24			1.61	0 SS1	MICACEOUS, GREEN, R2, BROKEN STICK, NO BEDDING VISIBLE. RECOVERED 1.3	72.30	66
72.24	73.00			.76	0 SS1 SILTSTONE. POLISHED	DARK GREY, R1, THINLY BEDDED PYRITE BLEBS, INTERBEDDED WITH SILTSTONE RECOVERED 0.19	75.60	55
73.00	74.07			1.07	0 SLST	PORPHYRY, GREY, SOFT WHITE POWDER ALONG FRACTURES. GREY MATRIX WITH SMALL (<1MM) WHITE PHENOCRYSTS. RECOVERED 0.69		
74.07	83.98			9.91	0 SS1 POLISHED FRACTURE	GREY, R2, THINLY BEDDED, SEVERAL THIN IRONSTONE BANDS CALCITE HEALED FRACTURES, MICACEOUS, LOWER 30CM VERY SILTY	77.80	64
							82.10	51
83.98	84.42	B	705	.44	18 COAL	DULL, BROKEN. RECOVERED 0.08		

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-332
 PROJECT TELKWA
 LOG DATE 83/08/17
 EXAMINED BY J. EISENMAN

TOP	BASE SEAM	SAM NUM	THIK	% REC MAJ	MINDR	DETAIL	DEPTH	C.R.A.
84.42	85.64		1.22	0	SLST SLICKENSIDED	DARK GREY, R1, BROKEN, MINOR COAL TRACES, SMALL PYRITE BLEB. RECOVERED 1.22		
85.64	89.60		3.96	0	SS1	GREY, SLIGHTLY GREEN, MICACEOUS, MAINLY THINLY BEDDED, IRONSTONE BANDS, R2, RECOVERED 3.96. RIPPLE BEDDING, DEPOSITIONAL SLUMPING	86.00	59
							87.60	61
							89.10	63
89.60	90.72		1.12	0	SLST	DARK GREY, R1, THINLY BEDDED. RECOVERED 1.12	89.80	69
90.72	91.40	7	.68	29	COAL POLISHED SURFACES	BADLY BROKEN, RECOVERED 0.20. NO HANGWALL OR FOOTWALL CONTACT - LOST CORE LUSTERIOUS, CLEAN		
91.40	93.00	706	1.60	0	SS1 SILTSTONE INTERBEDDED	THINLY BEDDED, R1, BANDED GREY & DARK GREY, IRONSTONE BANDS. RECOVERED 1.56	91.60	61
93.00	93.25	7	.25	0	COAL	PROBABLY COAL		
93.25	94.60		1.35	0	SLST POLISHED	DARK GREY, R2, POORLY DEVELOPED BEDDING, UPPER 10CM HAS POLISHED FRACTURES RECOVERED 1.3		
94.60	97.63		3.03	0	SS1 SLICKENSIDED	LOWER 30CM VERY SILTY, THINLY BEDDED, GREY, R2, THIN IRONSTONE BANDING, RECOVERED 2.9, BROKEN STICK	94.90	64
							96.40	63

CORE DESCRIPTION

03/07/84

HOLE ID TW63D-332

PROJECT TELKWA

LOG DATE 83/08/17

EXAMINED BY J. EISENMAN

TOP	BASE	SEAM	SAM NUM	THIK	% REC MAJ	MINOR	DETAIL	DEPTH	C.B.A.
97.63	98.88	6	787	1.25	19	COAL	BADLY BROKEN, MAINLY LUSTEROUS, SOME VITRAIN BANDING. RECOVERED 0.24		
98.88	108.55			9.67	0	SS1 SLICKENSIDED	BROKEN STICK, MAINLY THINLY BEDDED, GREY, R2, INTERBEDDED WITH SILTSTONE CALCITE HEALED FRACTURES. RECOVERED 9.5. POLISHED FRACTURES, MINOR COAL TRACES	99.50	69
								101.50	65
								103.20	66
								107.90	64
108.55	109.74	3	788	1.19	20	COAL	BADLY BROKEN, MAINLY LUSTEROUS, CLEAN. RECOVERED 0.24		
109.74	110.20			.46	0	SLST POLISHED	DARK GREY, BADLY BROKEN. RECOVERED 0.43		
110.20	110.64	3	789	.44	43	COAL	BROKEN, SEMI - LUSTEROUS. HARD, CALCITE HEALED FRACTURES, NO HANGWALL OR FOOTWALL CONTACTS - LOST CORE. RECOVERED 0.19		
110.64	111.20			.56	0	SLST POLISHED	DARK GREY, BADLY BROKEN, ONE 2CM COAL BAND 10CM FROM TOP, SANDY RECOVERED 0.56		
111.20	112.63	3	790	1.43	33	COAL	BADLY BROKEN, LUSTEROUS WITH VITRAIN BANDING. RECOVERED 0.47		
112.63	114.63			2.00	0	SLST POLISHED	BADLY BROKEN, DARK GREY, R1. RECOVERED 2.0	114.10	56

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-332
 PROJECT TELKWA
 LOG DATE 83/08/17
 EXAMINED BY J. EISENMAN

TOP	BASE	SEAM	SAM NUM	THIK	% REC MAJ MINOR	DETAIL	DEPTH	C.B.A.
114.63	115.25			.62	0 SS1	GREY, R3, BROKEN STICK, NO BEDDING. RECOVERED 0.62		
115.25	116.95			1.70	0 SLST POLISHED	DARK GREY, R1. RECOVERED 1.7	116.60	58
116.95	118.00			1.05	0 SS1 SILTSTONE, SLICKENSIDED	INTERBEDDED, R1, BROKEN, BEDDING IS IRREGULAR, RECOVERED 1.05		
118.00	118.08			.08	0 MDST	DARK GREY, R1. RECOVERED 0.08		
118.08	118.62	2	791	.54	41 COAL	BROKEN, MAINLY LUSTEROUS WITH PYRITE BLEBS & ONE THIN BAND, MINOR VITRAIN BANDING, HARD. RECOVERED 0.22. CALCITE ALONG CLEAVAGE		
118.62	119.12			.50	0 MDST	DARK GREY, BADLY BROKEN, R0. RECOVERED 0.35		
119.12	121.20	2	792	2.08	30 COAL	BADLY BROKEN MIDDLE SECTION PULVERIZED BRIGHT BANDED. RECOVERED 0.63. SOME POLISHED PIECES		
121.20	127.10			5.90	0 SS1 POLISHED, SILTSTONE	INTERBEDDED, MINOR IRONSTONE BANDING, BROKEN, 70% SANDSTONE, BIOTURBATED, SOME BEDDING - MAINLY RIPPLED, GREY. RECOVERED 5.9	123.50	58
							125.00	61
							126.00	59
127.10	129.00			1.90	0 SS1	R2, GREY, CALCITE HEALED FRACTURES, VERY THINLY BEDDED	128.00	60

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-332
 PROJECT TELKWA
 LOG DATE 83/08/17
 EXAMINED BY J. EISENMAN

TOP	BASE SEAM	SAM NUM	THIK	REC MAJ	MINOR	DETAIL	DEPTH	C.B.A.
						BUT NOT WELL DEVELOPED. RECOVERED 1.9		
129.00	135.45		6.45	0 SS1	POLISHED, SILTSTONE	INTERBEDDED, IRONSTONE BANDING, BIOTURBATED, BROKEN, R1, DEPOSITIONAL SLUMPING. RECOVERED 6.0. 70% SANDSTONE VERY THINLY BEDDED	130.50	56
							131.70	60
							133.30	56
135.45	140.69		5.24	0 SS1	SILTSTONE	AS ABOVE, 90% SANDSTONE. RECOVERED 5.0	136.30	64
							137.70	64
							138.90	62
140.69	144.73		4.04	0 SLST	POLISHED	BROKEN, GREY, BADLY BROKEN & CRUSHED, NO BEDDING, R1. RECOVERED 3.7		
144.73	163.85		19.12	0 SS1	SLICKENSIDED, SILTSTONE	INTERBEDDED, GREY, BIOTURBATED, THIN IRONSTONE BANDING, SEVERAL CALCITE HEALED FRACTURES, R2, SOME SECTIONS VERY THINLY BEDDED. RECOVERED 19.7.	147.30	24
						TOTAL DEPTH 163.85	154.90	35
							162.00	56

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-333
 PROJECT TELKWA
 LOG DATE 83/08/14
 EXAMINED BY A. MCINTYRE

TOP	BASE SEAM	SAM NUM	THIK	% REC MAJ MINOR	DETAIL	DEPTH	C.B.A.
.00	10.60		10.60	0 0B			
10.60	31.60		21.00	0 MDST	BLACK, FINE GRAINED, CARBONACEOUS (PLANT DEBRIS). BROKEN CORE FRACTURES AT 75 DEGREES. IRONSTONE BANDS WITHIN CALCITE, SOME RUBBLE - 0.3M AT 20M		
31.60	32.70		1.10	0 SS	LIGHT BROWN-GREEN FINE GRAINED WITH IRONSTONE VITRAIN BANDS CONTAINING CALCITE	32.30	70
32.70	33.25		.55	0 MDST	BROKEN CORE, LIGHT BROWN, FINE GRAINED, RUBBLE		
33.25	34.45		1.20	0 SS	DARK OLIVE GREEN, FINE GRAINED, SOFT TEXTURE, FRACTURED, LOW DENSITY. MARKER SANDSTONE ABOVE 10 SEAM. VITRAIN & BROWN WAXY SHALE STRINGERS PRESENT		
34.45	35.66		1.21	0 SS	SANDSTONE GRADES FROM ABOVE INTO MORE MASSIVE, LIGHT GREEN BROWN, FINE GRAINED SANDSTONE, HARDER TEXTURE		
35.66	36.06		.40	0 SS	LIGHT GREY, SOFT, FRACTURED, CARBONACEOUS		
36.06	36.46		.40	0 MDST	DARK GREY, CARBONACEOUS WITH MASSIVE PYRITE BLEBS, BAND OF WEATHERED PYRITE		

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TOP	BASE	SEAM	SAM NUM	THIK	% REC MAJ	MINOR	DETAIL	DEPTH	C.B.A.
36.06	36.46			.40	0	MDST	AND CU OXIDE		
36.46	36.56			.10	0	SH	BLACK, CARBONACEOUS, POOR VISUAL CONTACT WITH COAL		
36.56	37.08	10	771	.52	67	COAL	DURAIN WITH BANDED VITRAIN THROUGHOUT - OXIDIZED. FLAKE PYRITE IN VITRAIN. CALCITE PRECIPITATE ON COAL, COAL BROKEN INTO 20CM LUMPS		
37.08	37.20			.12	0	MDST	MEDIUM GREY, FINE GRAINED, CARBONACEOUS, MASSIVE COHERANT TEXTURE, GOOD VISUAL CONTACT WITH COAL		
37.20	38.00			.80	0	MDST	LIGHT GREY, BANDED WITH DAK GREY, SOFT TEXTURE & RUBBLE	37.30	85
38.00	41.20			3.20	0	SS SLICKENSIDES	MEDIUM GRAINED, LIGHT GREEN SANDSTONE INTERBEDDED WITH CALCITE BEARING IRONSTONE AND BLACK MUDSTONE. CARBONACEOUS, EVIDENCE OF SOFT SEDIMENT SLUMPING AT 39.0-41.0M; SLICKENSIDES AND SLIPPED BEDS	39.00	75
41.20	42.92			1.72	0	MDST	BLACK, CARBONACEOUS, FINE GRAINED WITHOUT BEDDING, FRIABLE, POOR VISUAL CONTACT WITH COAL - BUT COULD DEGRADE INTO WHITE POWDER BY DOZERS		
42.92	43.88	9	772	.96	90	COAL	MOSTLY DURAIN WITH BANDED VITRAIN - RUBBLE WHERE VITRAIN OCCURS AS WIDE BANDS/BLOCKY. CALCITE		

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TOP	BASE	SEAM	SAM NUM	THIK	% REC MAJ	MINOR	DETAIL	DEPTH	C.B.A.
							PRECIPITATE ON SURFACE OF CORE. THIN PYRITIC MUD LENSES PRESENT AT 43.60		
43.88	43.91			.03	0	SH	BLACK CARBONACEOUS SHALE - POOR VISUAL CONTACT WITH COAL		
43.91	44.70			.79	0	SS SLICKENSIDES	LIGHT GREEN, FINE GRAINED, INTERBEDDED WITH MUDSTONE. CARBONACEOUS SOLID TEXTURE	44.60	85
44.70	45.10			.40	0	SH	BROKEN, GREY SHALE, SOME RUBBLE		
45.10	46.97			1.87	0	MDST	MEDIUM - DARK GREY, FINE GRAINED, CARBONACEOUS WITH CALCITE BAND. SOFT, BROKEN TEXTURE WITH RUBBLE. GOOD VISUAL CONTACT WITH COAL		
46.97	47.40	8	773	.43	74	COAL	DURAIN WITH VITRAIN BANDS, RICH IN CALCITE NETWORK. CALCITE PRECIPITATE ON CORE SURFACE. MASSIVE COAL, BROKEN ONLY AT VITRAIN BANDS		
47.40	47.70	8	773	.30	0	SH	PYRITIC RICH BLACK CARBONACOUS SHALE. POOR VISUAL CONTACT WITH COAL - WILL REPORT AS PLANT FEED		
47.70	49.54	8	773	1.84	79	COAL	MASSIVE DURAIN WITH MINOR VITRAIN BANDS. PYRITIC MUD LENSES & BROWN SHALE PARTING AT 48.2M, SOME FLAKE PYRITE OBSERVED IN VITRAIN AT		

CORE DESCRIPTION

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EXAMINED BY A. MCINTYRE

TOP	BASE SEAM	SAM NUM	THIK	% REC MAJ MINOR	DETAIL	DEPTH	C.B.A.
					48.8M. NON- SEPARABLE, BLACK SHALE PARTING AT 49M. CALCITE PRECIPITATE ON CORE SURFACE COAL BROKEN ONLY WHERE VITRAIN DOMINATES (48.8M) 20CM FRAGMENTS		
49.54	49.60		.06	0 MDST	DARK GREY - POOR CONTACT WITH COAL		
49.80	53.50		3.90	0 MDST SLICKENSIDES	LIGHT GREY, INTERBEDDED WITH FINE SANDSTONE & IRONSTONE. COHERENT TEXTURE BRITTLE	50.30	80
53.50	55.50		2.00	0 MDST SLICKENSIDES	DARK GREY, INTERBEDDED WITH IRONSTONE CONTAINING CALCITE STRINGERS ALONG FRACTURES		
55.50	62.70		7.20	0 SS	MEDIUM GRAIN, LIGHT GREEN SANDSTONE, EASILY ABRADES INTO GRANULES. INTER BEDDED WITH FINE GRAINED DARK GREY MUDSTONE & CALCITE BEARING IRONSTONE. FRACTURED & BROKEN CORE. SOFT SEDIMENT SLUMPING AT IRONSTONE	60.00	65
62.70	63.00 7		.30	100 COAL	DURAIN & VITRAIN BAND. NON-MINEABLE, WEATHERED PYRITE STAINING		
63.00	63.30		.30	0 SH	BLACK CARBONACEOUS SHALE		
63.30	64.55		1.25	0 SS	FINE GRAINED, LIGHT GREEN, INTERBEDDED WITH DARK GREY CARBONACEOUS MUDSTONE	63.50	70

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TOP	BASE	SEAM	SAM NUM	THIK	% REC MAJ MINOR	DETAIL	DEPTH	C.B.A.
63.30	64.55			1.25	0 SS	AND IRONSTONE BANDS		
64.55	66.52			1.97	0 MDST SLICKENSIDES	LIGHT & DARK GREY, FINE GRAINED MUDSTONE, HIGHLY FRACTURED & BROKEN. VITRAIN BAND AT 66.35. GRADATIONAL CONTACT WITH COAL - SUSPECT HIGH DILUTION PROBABLE		
66.52	67.57	7	774	1.05	100 COAL	MOSTLY DURAIN - SLICKENSIDES. 1CM BROWN WAXY MUD PARTING AT 67M AND AT BOTTOM CONTACT. SLICKENSIDE AT BOTTOM CONTACT. CALCITE STRINGER AND PRECIPITATE ON CORE SURFACE. NO VISIBLE PYRITE. COAL MASSIVE AND COHERENT - NOT BROKEN		
67.57	67.90			.33	0 MDST SLICKENSIDES	DARK GREY, FINE GRAINED, EASILY BROKEN MUDSTONE. POLISHED SURFACE AT COAL CONTACT, WILL CONTRIBUTE HIGH ASH DILUTION BY FINE PARTICLES		
67.90	73.62			5.72	0 SS MUDSTONE	FINE GRAINED, GREEN GREY SANDSTONE INTERBEDDED WITH DARK GREY MUDSTONE AND IRONSTONE CARRYING CALCITE STRINGERS IN FRACTURES. SINGLE VITRAIN BAND AT 70.1M	70.10	85
73.62	74.42			.80	0 SS	MEDIUM GRAINED, GREEN SANDSTONE, COHERENT BUT BRITTLE. DOES NOT ABRADE		

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 EXAMINED BY A. MCINTYRE

TOP	BASE	SEAM	SAM NUM	THIK	% REC MAJ	MINOR	DETAIL	DEPTH	C.B.A.
73.62	74.42			.80	0	SS	EASILY CARBONACEOUS INTERBEDDED WITH DARK GREY MUDSTONE. SHARP VISUAL CONTACT WITH COAL		
74.42	78.30	6	775	3.88	100	COAL SLICKENSIDES	BRIGHT, BROKEN, BRITTLE. FRACTURED COAL. CALCITE NETWORKS AT TOP & BOTTOM CONTACTS & BELOW. GREY MUDSTONE BAND AT 77.7M. NO PYRITE VISIBLE. COAL SIMILAR TO TEST PIT SAMPLE		
78.30	78.40			.10	0	SH	BLACK CARBONACEOUS - POOR VISUAL CONTACT WITH COAL		
78.40	80.00			1.60	0	MDST SLICKENSIDES	DARK GREY INTERBEDDED WITH FINE GRAINED BROWN SANDSTONE. COMPLEX BEDDING RELATIONSHIP ASSOCIATED WITH SOFT DEPOSITIONAL SLUMPING AT 79.2M. IRONSTONE BAND WITH CALCITE STRINGER		
80.00	80.18			.18	0	SH	BLACK CARBONACEOUS SHALE. POOR VISUAL CONTACT WITH COAL		
80.18	82.76	6	776	2.58	90	COAL	BLACK VITRAIN FROM 80.18 TO IRONSTONE PARTING AT 80.70. BLACK DURAIN WITH VITRAIN BANDS - COHERENT COAL FROM 80.70-81.80M, WAXY BROWN MUDSTONE PARTING 3CM THICK. CALCITE AT TOP CONTACT. BOTTOM CONTACT SLICKENSIDED & BROKEN. NO PYRITE VISIBLE		

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 EXAMINED BY A. MCINTYRE

TOP	BASE	SEAM	SAM NUM	THIK	% REC MAJ	MINOR	DETAIL	DEPTH	C.B.A.
82.76	82.80			.04	0	SH	BLACK CARBONACEOUS SHALE. POOR VISUAL CONTACT WITH COAL. BROKEN TEXTURE		
82.80	83.80			1.00	0	MDST SLICKENSIDES	LIGHT GREY - BROWN, HIGHLY FRACTURED & RUBBLED. VITRAIN BANDS		
83.80	84.32			.52	0	MDST SLICKENSIDES	CARBONACEOUS FINE GRAINED, BLACK. PYRITE NODULES AT COAL CONTACT & 0.6M ABOVE. EXTREMELY POOR VISUAL CONTACT WITH COAL. RESEMBLES MUDSTONE ABOVE SEAM 6L SAMPLED IN TEST PIT		
84.32	85.52	6	777	1.20	66	COAL	CALCITE IN VITRAIN AT TOP CONTACT. WEATHERED PYRITE BAND 10CM BELOW TOP CONTACT. ADJACENT TO GREY MUDSTONE PARTING (SLICKED). COAL MOSTLY DURAIN WITH VITRAIN BANDS THROUGHOUT, CALCITE AT BOTTOM CONTACT		
85.52	86.00			.48	0	MDST	MEDIUM GREY CARBONACEOUS WITH CALCITE BEARING VITRAIN BANDS. POOR VISUAL CONTACT WITH COAL		
86.00	88.10			2.10	0	MDST SLICKENSIDES	DARK GREY INTERBEDDED WITH IRONSTONE (CALCITE) & LIGHT GREY SANDSTONE. BEDDING STEEPLY DIPPING AT 87.9M	87.90	40
88.10	92.60			4.50	0	SS	MEDIUM GRAINED LIGHT GREEN, INTERBEDDED WITH IRONSTONE & DARK GREEN MUD- STONE. GRADES INTO LIGHT		

CORE DESCRIPTION

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HOLE ID TWB3D-333
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 EXAMINED BY A. MCINTYRE

TOP	BASE SEAM	SAM NUM	THIK	% REC MAJ	MINOR	DETAIL	DEPTH	C.B.A.
						BROWN, CALCITE ASSOCIATED WITH IRONSTONE		
92.60	95.80		3.20	0 SH	SLICKENSIDES	MEDIUM GRAIN SHALE WITH IRONSTONE BAND CONTAINING CALCITE	94.50	70
95.80	97.52		1.72	0 MDST	SLICKENSIDES	BLACK CARBONACEOUS VITRAIN BANDS WITH CALCITE, FINE GRAINED, BRITTLE & FRIABLE. BROWN IRONSTONE AT COAL CONTACT - PYRITE NODULES & THIN PYRITIC MUDSTONE LENSES - SULPHUR RICH CONTACT REASONABLY SHARP CONTACT WITH COAL		
97.52	98.67	778	1.15	98	COAL	FLAKE PYRITE IN VITRAIN AT TOP CONTACT. MOSTLY DULL COAL - SOLID CORE LITTLE BREAKAGE. TWO PYRITIC MUD LENSES OBSERVED. BROWN IRONSTONE/MUDSTONE PARTING AT 98.4M		
98.67	98.90		.23	0 MDST	SLICKENSIDES	MEDIUM GREY, FINE GRAIN, CARBONACEOUS WITH VITRAIN LENSES, EASILY DEGRADABLE		
98.90	104.66		5.76	0	MDST	BANDED WITH FINE GRAINED SANDSTONE	103.00	85
104.66	106.16		1.50	0	SS	LIGHT GREEN, MEDIUM GRAIN, ABRADES EASILY INTERBEDDED WITH DARK GREY MUDSTONE & IRONSTONE. BROKEN TEXTURE, PYRITE AT COAL CONTACT AS PYRITIC MUD SULPHUR	105.00	55

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 LOG DATE 83/08/14
 EXAMINED BY A. MCINTYRE

TOP	BASE	SEAM	SAM NUM	THIK	REC	MAJ	MINOR	DETAIL	DEPTH	C.B.A.
106.16	109.11	5	779	2.95	95	COAL	SLICKENSIDES	MOSTLY DULL WITH VITRAIN BANDS. COAL BROKEN WHERE VITRAIN DOMINATES (30% OF SAMPLE). PYRITIC MUD LENS & FLAKE PYRITE OBSERVED. CALCITE PRECIPITATE ON CORE SURFACE. CALCITE IN BROWN SANDSTONE PARTING AT 107.5M. CALCITE AT BOTTOM CONTACT		
109.11	109.80			.69	0	MDST	SLICKENSIDES	DARK GREY, HIGHLY FRACTURED & DEGRADABLE. VITRAIN BANDS WITH CALCITE ALONG CLEATS & PYRITIC MUDSTONE LENS BELOW VITRAIN		
109.80	111.60			1.80	0	SH	SLICKENSIDES	BLACK SHALE INTERBEDDED WITH WHITE SANDSTONE & IRONSTONE, HIGHLY FRACTURED - BROKEN RUBBLE PRESENT	110.00	85
111.60	112.50			.90	0	MDST	SLICKENSIDES	MEDIUM GREY, FINE GRAINED WITH TWO VITRAIN BANDS		
112.50	115.25			2.75	0	MDST		BANDED WITH LIGHT SANDSTONE & CALCITE BEARING IRONSTONE		
115.25	115.35			.10	0	SH	SLICKENSIDES	CARBONACEOUS SHALE, POOR VISUAL CONTACT WITH COAL		
115.35	117.10		780	1.75	95	COAL		MOSTLY DURAIN WITH BANDED VITRAIN, SOME SLICKENSIDES BUT COAL IS NOT BROKEN TWO SANDSTONE LENSES DETECTED 114.8 & 116.3M. CALCITE NETWORK AT BOTTOM CONTACT. NO VISIBLE PYRITE		

CORE DESCRIPTION

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PROJECT TELKWA

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EXAMINED BY A. MCINTYRE

TOP	BASE SEAM	SAM NUM	THIK	% REC MAJ	MINOR	DETAIL	DEPTH	C.B.A.
117.10	117.20		.10	0	SH	BLACK CARBONACEOUS SHALE. POOR VISUAL CONTACT WITH COAL		
117.20	118.60		1.40	0	MDST SLICKENSIDES	LIGHT GREY MUDSTONE. HIGHLY FRACTURED & BROKEN. WILL DEGRADE EASILY		
118.60	119.50		.90	0	SS	GREEN - GREY WITH CALCITE STRINGERS		
119.50	121.70		2.20	0	SH SLICKENSIDES	LIGHT GREY. THIN BEDDED, FRACTURED & BROKEN, CRUMBLY. GOOD VISUAL CONTACT WITH COAL		
121.70	123.46 4	781	1.76	90	COAL	MOSTLY DURAIN. CORE IS COHERENT & BROKEN ALONG BANDS OF BLOCKY VITRAIN. FLAKE PYRITE OBSERVED IN VITRAIN. CALCITE AND MUD AT BOTTOM CONTACT, TOP CONTACT HAS WEATHERED PYRITE		
123.46	123.70		.24	0	MDST SLICKENSIDES	HIGHLY FRACTURED & BROKEN. WILL DEGRADE EASILY AS FINE PIT DILUTION, MEDIUM GREY COLOUR		
123.70	135.70		12.00	0	SS	FINE GRAINED, LIGHT GREY SANDSTONE INTERBEDDED WITH GREY MUDSTONE & CALCITE BEARING IRONSTONE. SOME SLICKENSIDES. BROKEN STICK CORE	134.00	70
135.70	136.30		.60	0	MDST SLICKENSIDES	LIGHT BROWN. HIGHLY FRACTURED		

CORE DESCRIPTION

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HOLE ID TW89D-333
 PROJECT TELKWA
 LOG DATE 83/08/14
 EXAMINED BY A. MCINTYRE

TOP	BASE SEAM	SAM NUM	THIK	% REC MAJ	MINOR	DETAIL AND BROKEN	DEPTH	C.B.A.
136.30	138.30		2.00	0	SS	FINE GRAINED LIGHT BROWN INTERBEDDED WITH DARK GREY MUDSTONE & CALCITE BEARING IRONSTONE, BROKEN STICK		
138.30	148.20		9.90	0	SS	MEDIUM GRAINED, CARBONACEOUS, GREEN - BROWN SANDSTONE, INTERBEDDED WITH GRE Y MUDSTONE & IRONSTONE BANDS. SANDSTONE ABRADES/GRANULATES	140.00	80
148.20	148.50		.30	0	MDST	BROWN, FRACTURED AND BROKEN		
148.50	148.70		.20	95	COAL	SLICKENSIDED MASSIVE DURAIN. COMPETENT BUT BROKEN CORE, NON MINEABLE COAL STRINGERS		
148.70	148.90		.20	0	SH	SLICKENSIDED BROWN SHALE SIMILAR TO TEST AT OCCURRENCES ASSOCIATED WITH SEA M NO. 3, HIGHLY BROKEN AND FRACTURED		
148.90	149.93		1.03	0	SH	HIGHLY BROKEN FRACTURED INCOMPETENT SHALE, BROWN - GREY. GOOD VISUAL CONTACT WITH COAL. EVIDENCE OF WEATHERED PYRITE AT TOP CONTACT WITH COAL		
149.93	150.79	2	.86	100	COAL	HIGHLY BROKEN VITRAIN AT TOP 20CM. GRADING INTO COMPETENT MASSIVE DURAIN WITH MINOR VITRAIN BANDS		

CORE DESCRIPTION

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EXAMINED BY A. MCINTYRE

TOP	BASE	SEAM	SAM NUM	THIK	% REC MAJ	MINOR	DETAIL	DEPTH	C.B.A.
150.79	151.44			.65	0	SH	BROWN, HIGHLY FRACTURED & BROKEN SHALE. GOOD VISUAL CONTACT WITH COAL - MINEABLE PARTING		
151.44	151.74	2	783	.30	90	COAL	SLICKENSIDED, BROKEN COAL, MOSTLY DURAIN		
151.74	151.96			.22	0	MDST	SLICKENSIDED, BRITTLE BROWN MUDSTONE PARTING, NON-MINEABLE		
151.96	152.26	2	783	.30	30	COAL	BROKEN COAL, MOSTLY DURAIN		
152.26	152.60			.34	0	MDST	BROWN, GOOD VISUAL CONTACT WITH COAL - FRACTURED & BROKEN - WILL CONTRIBUTE TO FINE PIT DILUTION		
152.60	153.60			1.00	0	SS	LIGHT GREY SANDSTONE WITH IRONSTONE & DARK GREY MUDSTONE. BROKEN STICK		
153.60	153.99			.39	0	MDST SLICKENSIDES	HIGHLY FRACTURED & BROKEN BROWN MUDSTONE		
153.99	154.49			.50	0	MDST	MEDIUM GREY, FINE GRAINED WITH PYRITE LENSES AT COAL CONTACT		
154.49	154.80	2	784	.31	80	COAL	HIGHLY BROKEN, SLICKENSIDED DURAIN		
154.80	156.40			1.60	0	MDST	HIGHLY BROKEN BROWN MUDSTONE, CARBONACEOUS CONTAINS SOME COAL STRINGERS (NO		

CORE DESCRIPTION

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HOLE ID TW83D-334
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 EXAMINED BY J. EISENMAN

TOP	BASE SEAM	SAM NUM	THIK	% REC MAJ MINOR	DETAIL	DEPTH	C.B.A.
.00	10.05		10.05	0 0B	0.00M-10.10 DRILLED WITH ROCK BIT - 3 1/2 INCH NO CORE. COAL FROM 6.10-6.74		
10.05	11.43		1.38	0 5S1 MUDSTONE BANDS	THINLY BEDDED; SANDSTONE COLOR IS GREY WITH MUDSTONE, DARK BROWN TO GREY; BEDDING CONVOLUTED. RECOVERED 1.37		
11.43	12.83		1.40	0 MDST	DARK BROWN WITH MINOR SANDSTONE BANDS. RECOVERED 1.40		
12.83	13.92 7	821	1.09	87 COAL	HARD, BLACK, DULL WITH MINOR BRIGHT BANDS, 2CM PYRITIC BAND 20CM FROM BOTTOM, HANGING WALL SEPARATION - VISUAL & PHYSICAL FAIR (CONTACT BROKEN); FOOTWALL SEPARATION UNKNOWN - NO CONTACT. RECOVERED 0.95		
13.92	15.46		1.54	0 MDST SS, IRONSTONE - 14.42	MUDSTONE MODERATELY HARD WITH SOFT MATERIAL AT BOTTOM OF SECTION; LIGHT GREY COLOR; CARBY SHALE AT BOTTOM OF SECTION, MINOR BEDDING. RECOVERED 1.4		
15.46	15.69 7		.23	0 COAL	DULL, HIGH ASH. RECOVERED 0.04		
15.69	19.75		4.06	0 SLST SS1	DARK GREY, R1, SOME SECTIONS GROUND UP BY DRILL, FEW THIN IRONSTONE BANDS, LOWER CONTAINS SANDSTONE INTERBEDS. RECOVERED 3.6.	16.30	82
					RIPPLED BEDDING	18.20	82
						19.30	80
19.75	22.93		3.18	0 SS1 SLST	GREY, R2, BEDDED WITH	20.20	76

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 EXAMINED BY J. EISENMAN

TOP	BASE	SEAM	SAM NUM	THIK	% REC	MAJ	MINOR	DETAIL	DEPTH	C.B.A.
								SILTSTONE BANDS, BROKEN CORE. RECOVERED 2.4	22.30	75
22.93	26.98			4.05	0	SS1	SLST	INTERBEDDED, R1, BADLY BROKEN. THINLY BEDDED, SILTSTONE IS DARK GREY, SANDSTONE IS A GREY/GREEN - MICACEOUS, SEVERAL THIN IRONSTONE BANDS, R3. RECOVERED 4.05	23.20	62
									25.00	72
									26.60	77
									27.00	70
26.98	27.98			1.00	0	MDST	COALY, SLICKENSIDED	BLOCK, R1, BADLY BROKEN, MASSIVE. RECOVERED 1.0		
27.98	32.08	6	822	4.10	82	COAL		MAINLY BROKEN SOME CRUSHED AND PULVERIZED SECTIONS. RECOVERED 3.35M.	29.10	76
								APPEARS TO BE UNIFORMLY SEMI LUSTEROUS WITH CLOSELY SPACED THIN VITRAIN (<1MM) BANDS, LOWER 30CM	30.60	74
								SLIGHTLY HIGHER ASH, TWO 2CM PYRITE BANDS LOCATED AT 50CM AND 90CM FROM TOP OF RECOVERED COAL. CONTACT SEPARATION - HANGWALL VISUAL AND PHYSICAL - POOR; FOOTWALL - VISUAL AND PHYSICAL - GOOD	31.70	70
32.08	38.59			6.51	0	SLST	SS1	THINLY INTERBEDDED, LENSING AND RIPPLED BEDDING, R1, ALTERNATING GREY AND DARK GREY, SEVERAL THIN (<3CM) IRONSTONE BANDS. RECOVERED 6.0	32.90	76
									34.10	77
									35.80	76

CORE DESCRIPTION

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HOLE ID TWB3D-334
 PROJECT TELKWA
 LOG DATE 83/08/16
 EXAMINED BY J. EISENMAN

TOP	BASE	SEAM	SAM NUM	THIK	% REC	MAJ	MINOR	DETAIL	DEPTH	C.B.A.
									37.50	69
									38.50	72
38.59	53.50			14.91	0	SS1	SLICKENSIDED, SLST	INTERBEDDED 80% SANDSTONE, R2, BROKEN, SEVERAL THIN IRONSTONE BANDS, MAINLY	40.00	74
								THINLY BEDDED, ONE 2CM CALCITE BAND, SLICKENSIDED AT 41.8M, 42.6M, 44.1M,	41.80	71
								45.7M, 49.4M, 50.2M. SOME DEPOSITIONAL SLUMPING.	43.90	72
								RECOVERED 14.90	46.50	74
									47.50	78
									48.80	71
									50.20	77
									51.30	78
									52.70	69
53.50	57.50			4.00	0	SLST	SLICKENSIDED, SS1	DARK GREY, R1, THIN SS1 LENSES THROUGHOUT, FRIABLE.	54.10	76
								RECOVERED 4.0	56.10	74
									57.20	30
57.50	59.60	2	823	2.10	100	COAL	SLICKENSIDED	RECOVERED 2.1. SLICKENSIDED	57.60	40

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-334
 PROJECT TELKWA
 LOG DATE 83/08/16
 EXAMINED BY J. EISENMAN

TOP	BASE SEAM	SAM NUM	THIK	% REC MAJ	MINOR	DETAIL	DEPTH	C.B.A.
						AT 57.7M, 58.2M, 59.3M, STICK AND BROKEN STICK		
						UPPER 20CM CONTAINS PYRITE AND VITRAIN LENSES, SEVERAL SMALL PYRITIC BLEBS THROUGHOUT, COAL IS MASSIVE SEMI LUSTERIOUS WITH ONLY A FEW THIN VITRAIN BANDS	58.20	15
						HANGWALL & FOOTWALL SEPARATION - VISUAL & PHYSICAL - GOOD		
59.60	70.42		10.82	0	SLST SLICKENSIDED	DARK GREY, BROKEN, MINOR COAL TRACES, 9CM VITRAIN COAL ZONE AT 62.5M - SLICKENSIDED, 15CM VITRAIN COAL ZONE AT 64.1M MIXED WITH SILTSTONE - SLUMPING, POORLY DEVELOPED BEDDING, SOME MINOR SS1 BANDS, R1, FRIABLE. RECOVERED 10.4	64.80	35
							66.30	39
							67.90	31
							69.80	30
70.42	77.94		7.52	0	SS1 SLICKENSIDED, SLST	INTERBEDDED, 80% SANDSTONE, ALTERNATING GREY AND DARK GREY, R1-R2, BROKEN. SEVERAL IRONSTONE BANDS, LAMINATED. RECOVERED 7.6, LOWER 10CM COALY	70.70	10
							72.00	8
							73.50	18
							74.70	27
							75.30	20
							76.20	21
77.94	78.12 Q	824	.18	100	COAL SLICKENSIDED	BROKEN, RECOVERED 0.18; BRIGHT	77.70	32

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-334
 PROJECT TELKWA
 LOG DATE 83/08/16
 EXAMINED BY J. EISENMAN

TOP	BASE SEAM	SAM NUM	THIK	% REC MAJ	MINOR	DETAIL	DEPTH	C.B.A.
						BANDED, HANGWALL SEPARATION VISUAL AND PHYSICAL - GOOD		
78.12	78.38		.26	0	MDST SLICKENSIDED, CARBONACEOU	DARK GREY, BADLY BROKEN; RECOVERED 0.13		
78.38	78.96 Q	825	.58	66	COAL SLICKENSIDED	BROKEN, LUSTEROUS. RECOVERED 0.38. FOOTWALL CONTACT, VIUSAL & PHYSICAL - GOOD	78.50	22
78.96	82.18		3.22	0	SS1 SLICKENSIDED, SLST	THIN SILTSTONE LAYERS, GREY, R2, BROKEN STICK. RECOVERED 3.3. THINLY BEDDED, SLICKENSIDED AT FOOTWALL	79.00	21
82.18	82.81 6	826	.63	52	COAL	RECOVERED 0.33. BROKEN, LUSTEROUS, CLEAN, MINOR VITRAIN BANDING, FOOTWALL SEPARATION - VISUAL & PHYSICAL - GOOD	82.30	28
82.81	99.10		16.29	0	SS1 POLISHED SLST	INTERBEDDED, R2, ALTERNATING LIGHT AND DARK GREY, THIN IRONSTONE BANDS	86.10	25
						THROUGHOUT, MAINLY THINLY BEDDED, 30CM SECTION AT 93.3M CONTAINING SILTSTONE AND IRONSTONE CLASTS, 80% SANDSTONE. RECOVERED 15.6	87.40	21
							90.60	33
							94.90	18
							97.00	37
99.10	107.90		8.80	0	SLST SLICKENSIDED	DARK GREY, R1, BROKEN,	101.00	27

CORE DESCRIPTION

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HOLE ID TW83D-335
 PROJECT TELKWA
 LOG DATE 83/07/25
 EXAMINED BY D. DANDREA

TOP	BASE	SEAM	SAM NUM	THIK	% REC	MAJ	MINOR	DETAIL	DEPTH	C.B.A.
.00	4.17			4.17	0	OB				
4.17	9.37			5.20	0	SLST		SILTSTONE & MUDSTONE INTERBEDDED, MEDIUM GREY RUBBLE & POWDER, SOME IRON STAINING NEAR THE TOP		
9.37	9.81			.44	0	SS		GREEN, EXTREMELY WEATHERED		
9.81	10.04			.23	0	IRST		BROWN/GREY WITH CALCITE REHEALING		
10.04	11.06			1.02	0	SS		GREEN, AS ABOVE		
11.06	11.15			.09	0	IRST		AS ABOVE		
11.15	11.40			.25	0	MDST		MEDIUM GREY, RUBBLE		
11.40	11.90	10	682	.50	70	COAL		DULL WITH MINOR BRIGHT; BROKEN AND RUBBLE. .35/.5		
								FOOTWALL DILUTION - 83-683; HANGWALL DILUTION - 83-684		
11.90	12.33			.43	0	MDST		DARK GREY, SILTY		
12.33	16.02			3.69	0	SS	GOUGE AT 13.7 TO 13.95 &	GOUGE AT 13.7-13.95 AND AT 16.25-16.3. MEDIUM GREY, FINE GRAIN, BROKEN AND RUBBLE, WITH MINOR	13.00	80
									16.00	70

CORE DESCRIPTION

03/07/84

HOLE ID TWB3D-335
 PROJECT TELKWA
 LOG DATE 83/07/25
 EXAMINED BY D. DANDREA

TOP	BASE SEAM	SAM NUM	THIK	% REC MAJ	MINOR	DETAIL	DEPTH	C.B.A.
						CARBONACEOUS DEBRIS		
16.02	17.19 9	685	1.17	76	COAL			
17.19	18.32		1.13	0	SS			
18.32	20.12 8	688	1.80	100	COAL			
20.12	20.24		.12	0	MDST			
20.24	20.66 8		.42	63	COAL			
20.66	23.42		2.76	0	SLST			
23.42	23.52		.10	0	IRST	BROWN/GREY	23.50	74
23.52	25.67		2.15	0	MDST	RUBBLE & GOUGE AT BOTTOM (.15M THICK). DARK TO MEDIUM GREY, SHALEY		
25.67	33.70		8.03	0	SS	FINE TO MEDIUM GRAIN, MEDIUM GREY WITH COARSE GRAIN SALT & PEPPER COLOURED PARTINGS. BROKEN WITH BROKEN STICK, (SHALEY)	39.00	68
33.70	36.90		3.20	0	SS	RUBBLE AT 35.6. AS ABOVE BECOMING CARBONACEOUS, MINOR SOFT SEDIMENT DEFORM		
36.90	37.17		.27	0	IRST	BROKEN & RUBBLE, WITH CALCITE		

CORE DESCRIPTION

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HOLE ID TW83D-335
 PROJECT TELKWA
 LOG DATE 83/07/25
 EXAMINED BY D. DANDREA

TOP	BASE	SEAM	SAM NUM	THIK	% REC MAJ MINOR	DETAIL	DEPTH	C.B.A.
						PARTING, BROWN/GREY		
37.17	41.27			4.10	0 MDST DETRITAL VOLCANIC SS	SLIGHTLY CARBONACEOUS WITH GREEN (DETRITAL VOLCANICS) SANDSTONE INTERLAMINATED ON THE TOP .3M		
41.27	42.44	7	691	1.17	89 COAL			
42.44	47.18			4.84	0 MDST IRST. AT 43.45 - 43.55			
47.18	47.38	6		.20	80 COAL			
47.38	48.06			.68	0 MDST			
48.06	48.18	6	693	.12	100 COAL			
48.18	48.35			.17	0 MDST			
48.35	50.56	6	694	2.21	90 COAL POWDER ON BOTTOM 0.1M			
50.56	53.60			3.04	0 MDST	IRONSTONE PARTING AT 52.8 (.17M THICK), AS ABOVE	52.79	75
53.60	53.70			.10	100 COAL	DULL, BROKEN STICK		
53.70	58.56			4.86	0 SLST	VERTICAL, SLICKENSIDED	57.80	76

CORE DESCRIPTION

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HOLE ID TW83D-335

PROJECT TELKWA

LOG DATE 83/07/25

EXAMINED BY D. DANDREA

TOP	BASE SEAM	SAM NUM	THIK	% REC	MAJ	MINOR	DETAIL	DEPTH	C.B.A.
8-58.18.							FRACTURE FROM		
							WHITE FINE GRAIN INTERLAMINATIONS, MINOR SOFT SEDIMENT DEFORMATION IN WHITE SANDSTONE		
58.56	60.96 6	698	2.40	82	COAL	MDST PARTINGS			
60.96	62.10	699	1.14	0	SLST				
62.10	62.22		.12	0	COAL				
62.22	62.31		.09	0	SLST				
62.31	62.98 6	700	.67	82	COAL				
62.98	64.46		1.48	0	SLST				
64.46	65.20 6	703	.74	81	COAL				
65.20	65.44		.24	0	SLST				
65.44	65.60		.16	0	IRST		BROWN/GREY		
65.60	66.43		.83	0	SLST		AS ABOVE		

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 PROJECT TELKWA
 LOG DATE 83/07/25
 EXAMINED BY D. DANDREA

TOP	BASE	SEAM	SAM NUM	THIK	% REC MAJ	MINOR	DETAIL	DEPTH	C.B.A.
66.43	67.11			.68	0	SS	MEDIUM GRAIN, LIGHT GREEN WITH DARK GREY SILTSTONE INTERBEDS	75.00	75
67.11	85.29			18.18	100	SS	GOUGE & RUBBLE AT 78.0 TO GOUGE & RUBBLE AT 78.0-78.2. MEDIUM GRAIN, LIGHT GREY WITH MINOR IRONSTONE PARTING (UP TO .08M), ALSO CONTAINS COARSE GRAIN SALT & PEPPER SANDSTONE PARTINGS. MINOR CALCITE REHEALING THROUGHOUT	84.00	74
85.29	85.65	5		.36	0	COAL			
85.65	86.71		704	1.06	0	MDST	POWDER ON H.W. OF COAL		
86.71	90.46	5	705	3.75	67	COAL	GOUGE ZONES THROUGHOUT		
88.00	88.12			.12	0	SH			
88.12	90.25	5		2.13	0	COAL	AS ABOVE		
90.46	91.87			1.41	0	MDST			
91.87	92.34			.47	100	COAL			
92.34	92.54			.20	0	MDST			

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TOP	BASE SEAM	SAM NUM	THIK	% REC MAJ	MINOR	DETATL	DEPTH	C.B.A.
92.54	92.92		.38	0	COAL			
92.92	93.71		.79	0	MDST			
93.71	94.04		.33	0	IRST	BROWN/GREY, STICK		
94.04	94.09		.05	0	MDST	AS ABOVE		
94.09	94.16		.07	0	IRST	AS ABOVE, BROKEN STICK		
94.14	96.24		2.10	0	MDST GOUGE			
96.24	96.84	717	.60	62	COAL			
96.84	98.75		1.91	0	MDST POWDER & GOUGE ON BOTTOM			
98.75	99.60 4	708	.85	47	COAL FAULTED, IRREGULAR BEDDIN			
99.60	100.27		.67	0	MDST			
100.27	101.35 4	711	1.08	100	COAL			
101.35	101.66		.31	0	MDST			

CORE DESCRIPTION

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TOP	BASE	SEAM	SAM NUM	THIK	% REC MAJ	MINOR	DETAIL	DEPTH	C.B.A.
.00	7.80			7.80	0	OB			
7.80	37.39			29.59	0	MDST SLST	MEDIUM TO DARK GREY MUDSTONE, RUBBLE WITH BROKEN, BADLY WEATHERED, CONTAINS BROWN/GREY SILTSTONE (IRONSTONE) PARTING UP TO .25M, SILTSTONE HAS MODERAT E CALCITE REHEALING, MUDSTONE IS LIGHTLY SLICKENSIDED. SILTSTONE PARTINGS: 10.9-12.0; 17.92-18.07; 18.78-18.93; 19.04-19.14; 20.92-21.02; 27.55-27.8		
37.39	43.55			6.16	0	SLST SS	MEDIUM TO DARK GREY, VERY FRIABLE WITH LIGHT GREY FINE GRAIN SANDSTONE INTE RBED, LIGHTLY SLICKENSIDED AT 38.5M	45.00	55
43.55	45.02			1.47	0	SS	LIGHT GREY MASSIVE, FINE GRAIN, STICK & BROKEN STICK WITH RUBBLE		
45.02	48.27			3.25	0	SLST	MEDIUM TO DARK GREY, EXTREMELY FRACTURED, FRIABLE, NO COMPETENT BEDDING		
48.27	54.07			5.80	0	SLST	AS ABOVE, EXTREMELY SLICKENSIDED (FAULTED) AT 4.7-5.0M, CORE SEEMS SLIGHTLY MORE WEATHERED AND ALTERED		
54.07	54.67			.60	0	SLST	AS ABOVE WITH LIGHT TO MODERATE CALCITE REHEALING, LIGHTLY SLICKENSIDED		
54.67	57.48			2.81	0	MDST	VERY CARBONACEOUS, EXTENSIVELY SLICKENSIDED, RUBBLE WITH POWDER	54.00	47

CORE DESCRIPTION

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 PROJECT TELKWA
 LOG DATE 83/07/25
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TOP	BASE	SEAM	SAM NUM	THIK	% REC MAJ MINOR	DETAIL	DEPTH	C.B.A.
57.48	57.62		666	.14	69 COAL	DULL, RUBBLE (HANGWALL MUDSTONE POWDER, MEDIUM GREY, FOOTWALL RUBBLE VERY WEATHERED)		
57.62	57.71			.09	0 MDST	MEDIUM GREY, RUBBLE		
57.71	57.86			.15	0 SLST	BROWN/GREY SILTSTONE, BROKEN STICK		
57.86	57.94			.08	0 MDST	AS ABOVE		
57.94	58.06			.12	0 SLST	AS ABOVE		
58.06	58.72			.66	0 MDST	AS ABOVE		
58.72	59.05	3	667	.33	66 COAL	BROKEN, RUBBLE, .2/.33	59.00	.52
59.05	60.54			1.49	0 MDST	RUBBLE, DARK GREY		
60.54	61.95	3	670	1.41	32 COAL MDST	MUDSTONE & COAL INTERBEDDED, RUBBLE, SHALEY		
61.95	63.31			1.36	0 MDST	MEDIUM GREY CARBONACEOUS, BROKEN STICK, WITH RUBBLE		
63.31	66.03			2.72	0 SS	FINE GRAIN, LIGHT GREY WITH MEDIUM GREY INTERBED, WEATHERED & ALTERED,	66.00	61

CORE DESCRIPTION

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HOLE ID TW83D-336
 PROJECT TELKWA
 LOG DATE 83/07/25
 EXAMINED BY D. DANDREA

TOP	BASE	SEAM	SAM NUM	THIK	% REC MAJ	MINDR	DETAIL	DEPTH	C.B.A.
63.31	66.03			2.72	0 SS		BROKEN, WITH RUBBLE, LIGHTLY SLICKENSIDED		
66.03	66.76	2		.73	10 COAL		DULL, POWDER. .73/1.07. NOT SAMPLED		
66.76	67.39			.63	0 MDST		MUDSTONE, CARBONACEOUS, BROKEN, WITH RUBBLE		
67.39	67.56	2	673	.17	100 COAL		RUBBLE, BROKEN, DULL		
67.56	67.73	2	673	.17	0 MDST		CARBONACEOUS, BROKEN STICK		
67.73	68.04		673	.31	94 COAL		BROKEN STICK WITH BROKEN, DULL. .29/.31		
68.04	68.39			.35	0 MDST		CARBONACEOUS		
68.39	68.65			.26	0 SLST		CARBONACEOUS INTERLAMINATIONS		
68.65	69.14	2	676	.49	86 COAL		MODERATELY SLICKENSIDED, DULL WITH MINOR BRIGHT BAND. .42/.49		
69.14	70.09			.95	0 MDST		DARK GREY, BROKEN		
70.09	70.57	2	679	.48	60 COAL		DULL WITH MINOR BRIGHT BANDS. .29/.48		
70.57	70.91			.34	0 MDST		DARK GREY, SHALEY		

CORE DESCRIPTION

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HOLE ID TW83D-336
 PROJECT TELKWA
 LOG DATE 83/07/25
 EXAMINED BY D. DANDREA

TOP	BASE SEAM	SAM NUM	THIK	% REC	MAJ	MINOR	DETAIL	DEPTH	C.B.A.
70.91	71.01		.10	0	IRST		GREY BROWN		
71.01	71.81		.80	0	MDST		AS ABOVE	71.10	70
71.81	81.24		9.43	0	SLST		A VERTICAL FRACTURE .2M IN THE MIDDLE OF THE SECTION (CALCITE FILLED) CALCITE REHEALING AT 80.44. MEDIUM GREY SILTSTONE WITH COARSER WHITE INTERBEDS, MINOR BROWN/GREY IRONSTONE PARTINGS	75.00	78
81.24	85.82		4.58	0	MDST		LIGHTLY FRACTURED, DARK GREY, SILTY, MASSIVE	85.80	66
85.82	96.19		10.37	0	SS		GOUGE AT 5.34, 7.26, 1.38. VERY FINE GRAIN (SHALEY), MEDIUM GREY, EASILY BROKEN, COARSENING UPWARDS DOWN SECTION. MINOR CARBONACEOUS DEBRIS (PLANT FRAGMENTS AND COAL PARTINGS)		
96.19	96.32		.13	0	IRST		BROWN/GREY CALCITE REHEALING	96.00	75
96.32	102.92		6.60	0	SS		FINE TO MEDIUM GRAIN, DARK GREY, SLIGHTLY MORE COMPETENT THAN THE ABOVE SS	99.70	82
102.92	103.12		.20	0	SS		MEDIUM GRAIN, MASSIVE, SALT & PEPPER		
103.12	110.29		7.17	0	SS		GOUGE & RUBBLE AT .72 & 4.2. AS ABOVE SS 96.32-102.92.	105.50	74

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-337
 PROJECT TELKWA
 LOG DATE 83/09/01
 EXAMINED BY D. HANDY

TOP	BASE SEAM	SAM NUM	THIK	% REC MAJ MINOR	DETAIL	DEPTH	C.B.A.
.00	6.71		6.71	0 08	0.00-6.71 OVERBURDEN		
6.71	11.57		4.86	0 SLST SS1	MEDIUM GREY WITH THIN LIGHT GRFY. GREENISH GREY BANDS OF SS1. THIN BEDDED. SOFT. FRIABLE	9.50	51
11.57	11.84 Q	871	.27	37 COAL	GROUND INTO ROUNDED PARTICLES. ESTIMATED RECOVERY 37%		
11.84	12.68		.84	0 SLST CARBONACEOUS	MEDIUM GREY, CRUMBLY, HIGHLY WEATHERED		
12.68	13.55 Q	872	.87	14 COAL	BROKEN, POWDERY, POOR LOOKING COAL, TWO SPLITS VISIBLY ON BRD (NM). REC 15%		
13.55	17.76		4.21	0 SLST SS1	DARK GREY SILTSTONE WITH TIN INTERBEDDED GREEN SS1, WELL DEVELOPED BEDDING	15.50	58
					HIGHLY FRIABLE, WEATHERED LOOKING, MINOR CARBONACEOUS LAYERS - COALY STRING ERS. HANDWALL CONTACT HIGHLY WEATHERED ABOVE COAL BELOW	16.46	45
17.76	18.36 Q	873	.60	13 COAL	COAL HIGHLY BROKEN, FRAGMENTED. ESTIMATED RECOVERY 13%. CONTACTS APPEAR TO SEPARATE WELL		
18.36	18.96		.60	0 MDST CARBONACEOUS	MEDIUM GREY, BROKEN ALONG BEDDING & AGAINST BEDDING		
18.96	19.11		.15	0 MDST	FAULT GOUGE MATERIAL		

CORE DESCRIPTION

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HOLE ID TW83D-337
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TOP	BASE	SEAM	SAM NUM	THIK	% REC MAJ MINOR	DETAIL	DEPTH	C.B.A.
19.11	25.64			6.53	0 MDST SLST/IRST	MEDIUM GREY MUDSTONE, SOME SILTIER SECTIONS, OCCASIONAL IRONSTONE NODULES/ CORE. MINOR CALCITE FILLED	21.00	50
						VERTICAL FRACTURES, POORLY BEDDED	25.60	54
25.64	26.75	Q	874	1.11	54 COAL SHALEY	RECOVERY 0.60/1.11 - 54%. BROKEN CRUMBLY COAL - LOOKS SHALEY. GOOD FOOTWA LL/HANGWALL SEPARATION		
26.75	27.10			.35	0 MDST SLST	MEDIUM GREY MUDSTONE CORE COARSENS TO SILTSTONE, HIGHLY WEATHERED, CRUMBLY, POOR BEDDING		
27.10	27.21	Q		.11	0 COAL	BROKEN, HARD		
27.21	28.58			1.37	0 MDST SLST	AS ABOVE	28.58	56
28.58	29.01	Q		.43	0 COAL SHALEY	DIRTY, SOFT, FRIABLE COAL. RECOVERY 0.10/0.43 = 23%. SAMPLE NOT TAKEN RECOVERY & SHALE SEPARATION TOO POOR TO BE REPRESENTATIVE		
29.01	44.80			15.79	0 SLST IRST	MEDIUM GREY SILTSTONE, OCCASIONAL BROWN IRONSTONE NODULES. MASSIVE, POORLY BEDDED SECTIONS, HIGHLY WEATHERED FRIABLE SOFT. OCCASIONAL CALCITE FILLED JOINTS. NO RELIABLE BEDDING ANGLES - CORE TOO CRUMBLY		

CORE DESCRIPTION

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HOLE ID TW83D-337
 PROJECT TELKWA
 LOG DATE 83/09/01
 EXAMINED BY D. HANDY

TOP	BASE	SEAM	SAM NUM	THIK	% REC	MAJ	MINOR	DETAIL	DEPTH	C.B.A.
44.80	69.19			24.39	0	SS1	SLST/IRST	FINE TO VERY FINE AS SANDSTONE, OCCASIONAL SILTY BEDS, OCCASIONAL IRONSTONE NODULES, POORLY DEVELOPED BEDDING, MEDIUM GREY, MINOR CARBONACEOUS LAYER S, HIGHLY BROKEN IN SPOTS	61.50	64
69.19	85.93			16.74	0	SS1	IRST	MEDIUM GREY AS ABOVE, WITH OCCASIONAL CARBONACEOUS LAYERS INTERBEDDED. NUMEROUS IRONSTONE NODULES WITH CALCITE VIEWING, MOST OF THE CORE IS HIGHLY SHATTERED	69.25	58
85.93	88.44			2.51	0	SLST	CARB	DARK GREY TO CHARCOAL SILTSTONE - CARBONACEOUS OCCASIONAL COALY STRINGERS, HIGHLY SLICKENSIDED		
88.44	88.88	2	875	.44	100	COAL	SHALEY	RECOVERY 0.44/0.44 = 100%. SHALEY COAL, CRUMBLY, BROKEN, POOR CONTACTS, HIGHLY SLICKENSIDED		
88.88	89.07			.19	0	MDST	CARBONACEOUS	FRAGMENTS		
89.07	89.40	2	876	.33	30	COAL		RECOVERY 0.10/0.33 = 30%. BROKEN FRAGMENTS, CONTACTS WEATHERED TO FRAGMENT S AND DUST		
89.40	90.62			1.22	0	SS1		WEATHERED		

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-337
 PROJECT TELKWA
 LOG DATE 83/09/01
 EXAMINED BY D. HANDY

TOP	BASE	SEAM	SAM NUM	THIK	% REC MAJ MINOR	DETAIL	DEPTH	C.B.A.
90.62	91.11	2	877	.49	57 COAL	RECOVERY 0.28/0.49 = 57%. POWDER, WEATHERED FOOTWALL/HANGWALL CONTACTS		
91.11	91.63			.52	0 SLST CARBONACEOUS	WEATHERED, CRUMBLY		
91.63	92.24	2	878	.61	100 COAL	RECOVERY 0.61/0.61 = 100%. POWDERY - TOP HALF, BROKEN STICK - BOTTOM HALF. FOOTWALL/HANGWALL CONTACTS SEPARATION GOOD, DULL WITH BRIGHT, HARD		
92.24	93.44			1.20	0 MDST CARBONACEOUS	MEDIUM GREY, OCCASIONAL COAL STRINGER		
93.44	93.96	2	879	.52	90 COAL	RECOVERY 0.47/0.52 = 90%. BROKEN STICK, HARD. FOOTWALL/HANGWALL SEPARATIO N GOOD. MINOR CALCITE ON CLEAT NEAR FOOTWALL. ROCKS ARE NOT WEATHERED OR HIGHLY FRACTURED FROM HERE TO TOTAL DEPTH		
93.96	94.80			.84	0 SLST	GREY, MASSIVE		
94.80	102.92			8.12	0 SLST SST/IRST	MEDIUM TO LIGHT GREY SILTSTONE WITH THIN BEDDED SS1, OCCASIONAL IRONSTONE NODULES. STICK CORE, FRESH	98.00	79
102.92	109.01			6.09	0 SLST IRST	MEDIUM GREY, MASSIVE SILTSTONE, OCCASIONAL IRONSTONE NODULES	101.00	88
109.01	123.75			14.74	0 SLST	LIGHT GREY, MASSIVE, ONE OR		

CORE DESCRIPTION

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HOLE ID TW83D-338
 PROJECT TELKWA
 LOG DATE 83/08/22
 EXAMINED BY J. EISENMAN

TOP	BASE SEAM	SAM NUM	THIK	% REC MAJ MINOR	DETAIL	DEPTH	C.B.A.
.00	7.08		7.08	0 0B	0.00-6.98 - NOT CORED, OVERBURDEN		
7.08	28.75		21.67	0 SLST SS1, SLICKENSIDED	DARK GREY, R0, FRIABLE, THIN SANDSTONE LAYERS, 90% SILTSTONE, MICACEOUS. SEVERAL THIN (<5CM) IRONSTONE BANDS WITH A HARDNESS OF R3, BEDDING IS MAINL Y POORLY DEVELOPED WITH SOME WELL DEVELOPED THINLY BEDDED SECTIONS, BADLY	9.20	70
						11.30	70
						13.30	72
						14.70	73
						17.60	73
						18.90	70
						20.50	70
28.75	31.40		2.65	0 SS1	GREEN, R2, BROKEN, SEVERAL CALCITE HEALED FRACTURES, ZONE FROM 30.05-30.75 IS BROKEN, STICK, R3, WITH SOME IRON STAINING, MASSIVE. RECOVERED 2.65		
31.40	32.10		.70	0 SS1	ARGILLACEOUS, GREY, FRIABLE, R1, MICACEOUS. RECOVERED .70	31.90	70
32.10	32.30 0		.20	0 COAL	LUSTEROUS, BROKEN, THIN PYRITIC BANDS. RECOVERED .16		
32.30	32.70		.40	0 SLST	GREY, R0, FRIABLE. RECOVERED .40		
32.70	33.90		1.20	0 SS1	GREY, LAMINATED, R2, WORM		

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-338
 PROJECT TELKWA
 LOG DATE 83/08/22
 EXAMINED BY J. EISENMAN

TOP	BASE SEAM	SAM NUM	THIK	% REC MAJ	MINOR	DETAIL	DEPTH	C. B. A.
						BURROWS IN UPPER 30CM, THIN IRONSTONE BANDS. RECOVERED 1.20		
33.90	35.33		1.43	0	SLST	GREY, BADLY BROKEN, RO. RECOVERED 1.32	34.80	68
35.33	37.10		1.77	0	SS1	LAMINATED, GREY, BROKEN STICK, R2, MICACEOUS. RECOVERED 1.77	35.50	69
							36.10	50
							37.00	51
37.10	37.35		.25	0	MDST	DARK GREY, RO. RECOVERED .25		
37.35	37.45	Q	.10	0	COAL	PULVERIZED, LUSTEROUS. RECOVERED .10		
37.45	39.20		1.75	0	SLST	DARK GREY, BADLY BROKEN, R1. RECOVERED .60	38.40	67
39.20	40.40		1.20	0	SS1 POLISHED	GREY, BROKEN, SEVERAL IRONSTONE BANDS, R2, LAMINATED. RECOVERED .90		
40.40	40.85		.45	0	MDST	DARK GREY, NO BEDDING RO. RECOVERED .45		
40.85	41.64		.79	0	SS1	GREY, BADLY BROKEN, R1, THINLY BEDDED. RECOVERED .73	41.60	69
41.64	47.60		5.96	0	SLST FAULT GOUGE	DARK GREY, REWORKED, MAINLY PULVERIZED, RO. RECOVERED 6.0	43.40	20

CORE DESCRIPTION

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 PROJECT TELKWA
 LOG DATE 83/08/22
 EXAMINED BY J. EISENMAN

TOP	BASE	SEAM	SAM NUM	THIK	% REC MAJ MINOR	DETAIL	DEPTH	C.B.A.
41.64	47.60			5.96	0 SLST FAULT GOUGE		46.00	22
47.60	55.50			7.90	0 SLST	DARK GREY, BROKEN STICK, R1. MASSIVE. RECOVERED 7.9		
55.50	56.40			.90	0 SS1	GREY, BROKEN, R1. NO BEDDING. RECOVERED .90		
56.40	56.66			.26	0 SS2	GREY, R1. RECOVERED .26		
56.66	57.00			.34	0 MDST	DARK GREY, R2. NUMEROUS SMALL CALCITE HEALED FRACTURES. RECOVERED .28		
57.00	58.80			1.80	0 SS1 SLST, SLICKENSIDED	GREY, THINLY BEDDED WITH SILTSTONE LAYERS, THIN IRONSTONE BANDS, R1. RECOVERED 1.8. SOME IRONSTONE CLASTS	58.00	35
58.80	69.48			10.68	0 SLST FAULT GOUGE	GREY, CRUSHED, SOME SECTIONS SANDY, THIN IRONSTONE BANDS THROUGHOUT, FRIABL E, RO, SOME PIECES POLISHED. RECOVERED	64.80	63
							66.30	65
							67.90	64
69.48	70.54	0	807	1.06	26 COAL	RECOVERED .28. BADLY BROKEN, LUSTEROUS, CLEAN		
70.54	79.78			9.24	0 SLST SS1, SLICKENSIDED	INTERBEDDED, R1, BROKEN, CALCITE HEALED FRACTURES, IRONSTONE BANDS, THINLY BEDDED, GREY, MICACEOUS. RECOVERED 8.5	73.70	66
							76.00	62

CORE DESCRIPTION

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HOLE ID TWB3D-33B
 PROJECT TELKWA
 LOG DATE 83/08/22
 EXAMINED BY J. EISENMAN

TOP	BASE SEAM	SAM NUM	THIK	% REC MAJ MINOR	DETAIL	DEPTH	C.B.A.
70.54	79.78		9.24	0 SLST SS1, SLICKENSIDED		77.90	56
79.78	81.38		1.60	0 MDST	DARK GREY, BROKEN, RO. RECOVERED 1.6		
81.38	95.10		13.72	0 SLST SLICKENSIDED, SS1	INTERBEDDED, R1, GREY, BROKEN WITH SOME CRUSHED SECTIONS, SEVERAL IRONSTONE BANDS R3, POLISHED & SLICKENSIDED PIECES THROUGHOUT, 35CM BAND AT 91.2M	83.60	23
					R3, CONTAINS 4CM CALCITE BAND. RECOVERED 13.6	85.30	10
						86.70	5
						88.00	5
						89.30	25
						94.00	30
95.10	128.90		33.80	0 SLST SLICKENSIDED	DARK GREY, R1, BROKEN, OCCASIONAL SLICKENSIDES AND POLISHED FRACTURES THROU GHOUT, OCCASIONAL IRONSTONE BANDS (<6CM THICK) THROUGHOUT, SEVERAL HARD SILTSTONE BANDS (R3), THESE ARE LIGHTER GREY THAN SURROUNDING SILTSTONE & ARE VERY CALCAREOUS WHILE THE REST OF THE SILTSTONE IS NO-CALCAREOUS. 20CM BAND AT 99.4M; 20CM AT 100.42M; 24CM AT 104.1M; 25CM AT 111.63M. MASSIVE. RECOVERED 33.4	96.70	65
						97.10	61
						98.20	54
						99.60	54
						104.30	66
						105.30	55
						108.50	64

CORE DESCRIPTION

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HOLE ID TW83D-338

PROJECT TELKWA

LOG DATE 83/08/22

EXAMINED BY J. EISENMAN

TOP	BASE SEAM	SAM NUM	THIK	% REC MAJ MINOR	DETAIL	DEPTH	C.B.A.
						115.30	25
128.90	129.20		.30	0 MDST	DARK GREY, FRIABLE, RO. RECOVERED .24		
129.20	129.73		.53	0 SS1	IRONSTONE BANDING THROUGHOUT, CALCITE HEALED FRACTURES, GREY, 3CM COALY MUDSTONE BAND 6CM FROM TOP. RECOVERED .53		
129.73	131.95		2.22	0 SLST SLICKENSIDED, FAULT	DARK GREY, CRUSHED, SLICKENSIDED PIECES THROUGHOUT. RECOVERED 2.10. LAMINATED		
131.95	134.68	8	2.73	62 COAL SLICKENSIDED	RECOVERED 1.70. MAINLY BADLY BROKEN WITH ONE 15CM PULVERIZED ZONE 40CM FRO M TOP OF RECOVERED COAL. COAL IS UNIFORMLY LUSTEROUS WITH MINOR THIN VITRA IN BANDING, CLEAN. NO HANGWALL/FOOTWALL CONTACTS DUE TO CRUSHED AND LOST CORE	132.20	63
						133.00	63
134.68	146.95		12.27	0 SLST SLICKENSIDED, SS1	INTERBEDDED GREY, SEVERAL THIN SS2 BANDS, 50% SILTSTONE, SEVERAL THIN (<6CM) IRONSTONE BANDS, R1-R2, THINLY BEDDED, 3CM THICK CALCITE HEALED FRACTURE AT 145.3M, LOWER 60CM IS SILTSTONE - NO SANDSTONE INTERBEDS. SLICKENSIDES THROUGHOUT	134.80	64
						136.20	62
						138.60	68
						140.80	60

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TOP	BASE	SEAM	SAM NUM	THIK	% REC MAJ	MINOR	DETAIL	DEPTH	C.B.A.
								141.80	68
								143.10	67
								146.30	63
146.95	147.88	7	809	.93	78	COAL SLICKENSIDED	BROKEN, UPPER 20CM PULVERIZED, LUSTEROUS, CLEAN, VERY LITTLE BANDING. RECOVERED .73	147.50	61
147.88	148.30			.42	0	SLST	DARK GREY, R1. RECOVERED .40		
148.30	151.20			2.90	0	SS1	GREY, LAMINATED, R2, THIN IRONSTONE BANDS. RECOVERED 2.9	148.70	60
								149.70	56
								151.10	59
151.20	152.80			1.60	0	SLST SLICKENSIDED	DARK GREY, BADLY BROKEN, R1. RECOVERED 1.6		
152.80	152.90			.10	0	MDST	DARK GREY, FRIABLE. RECOVERED .06		
152.90	154.92	6	810	2.02	52	COAL SLICKENSIDED	BADLY BROKEN, RECOVERED 1.05. LUSTEROUS WITH THIN VITRAIN BANDS, NO CONTACT VISIBLE - LOST CORE		
154.92	168.35			13.43	0	SS1 SLICKENSIDED, SLST	INTERBEDDED, R1-R2, THIN	155.80	62

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TOP	BASE	SEAM	SAM NUM	THIK	% REC	MAJ	MINOR	DETAIL	DEPTH	C.B.A.
								IRONSTONE BANDS, THIN BEDDING, BROKEN UP CORE, GREY, SILTSTONE IS DARK GREY, 20CM SS2 BAND. RECOVERED 11.0	156.80	56
									158.30	58
									160.60	57
									164.00	63
									166.10	5
									167.50	5
168.35	168.50			.15	0	IRST		R3. RECOVERED .15		
168.50	170.64			2.14	0	SS1		GREY, R2, BROKEN UP, MAINLY MASSIVE WITH SOME SILTSTONE BANDING NEAR BOTTOM RECOVERED 2.16	168.90	20
									169.40	19
									170.60	19
170.64	171.24			.60	0	SLST		DARK GREY, VERY FRIABLE. RECOVERED .06. R0		
171.24	171.41	3		.17	0	COAL		RECOVERED 0.02	171.30	21
171.41	171.60			.19	0	MDST		RECOVERED 0.03. DARK GREY, CRUSHED		
171.60	172.04	3	811	.44	100	COAL		UPPER 25CM IS LUSTEROUS.	171.80	52

CORE DESCRIPTION

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TOP	BASE SEAM	SAM NUM	THIK	% REC MAJ	MINOR	DETAIL	DEPTH	C.B.A.
						CLEAN, VERY HARD, CALCITE ALONG CLEAT, LOWER		
						19CM IS MAINLY VITRAIN WITH A NARROW SECTION OF IRON STRAINED MUDSTONE. RECOVERED 0.44	172.60	51
172.04	173.52		1.48	0	MDST COALY, SLICKENSIDED	DARK GREY TO BLACK, BADLY BROKEN. RECOVERED 1.4. LOWER 5CM PYRITIC, FRIAB BLE, MASSIVE		
173.52	174.95	3	1.43	84	COAL POLISHED	BROKEN STICK, LUSTEROUS WITH THIN VITRAIN BANDS, CLEAN SEVERAL POLISHED FRA CTURES, RECOVERED 1.2.	173.60	46
						FOOTWALL & HANGWALL CONTACTS ARE VISUALLY FAIR, PHYSICALLY GOOD	174.50	51
174.95	175.33		.38	0	MDST	BADLY BROKEN, DARK GREY. RECOVERED .18		
175.33	175.88	3	.55	85	COAL	BROKEN, LUSTEROUS. RECOVERED .47. CLEAN, HARD, HANGWALL/FOOTWALL CONTACTS ARE VISUALLY FAIR; PHYSICALLY GOOD		
175.88	176.34		.46	0	MDST	DARK GREY, FRIABLE, LOWER 5CM COALY. RECOVERED .49		
176.34	176.81	3	.47	100	COAL	BROKEN STICK, VERY HARD, RECOVERED .47. UNIFORMLY SEMI-LUSTEROUS WITH NUMEROUS VERY THIN VITRAIN BANDS THROUGHOUT. HANGWALL/FOOTWALL SEPARATION:		

CORE DESCRIPTION

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TOP	BASE	SEAM	SAM NUM	THIK	% REC MAJ MINOR	DETAIL	DEPTH	C.B.A.
176.34	176.81	3	814	.47	100 COAL	VISUAL - FAIR; PHYSICAL - GOOD		
176.81	185.92			9.11	0 SLST SS1	INTERBEDDED WITH THIN SS1 LENSES, IRONSTONE BANDS, R1, FRIABLE DARK GREY, LAMINATED. RECOVERED 9.0	180.40	66
							183.60	68
							185.40	69
185.92	186.45	2	815	.53	75 COAL SLICKENSIDED	RECOVERED .40. MAINLY DULL WITH LUSTEROUS BANDS, APPEARS TO BE A HIGH ASH COAL. HANGWALL SEPARATION: VISUAL & PHYSICAL - GOOD; FOOTWALL SEPARATION: VISUAL & PHYSICAL - POOR		
186.45	187.70			1.25	0 SLST CARBONACEOUS, SLICKENSIDE	DARK GREY TO BLACK, BROKEN, FRIABLE, UPPER 20CM AND LOWER 10CM IS VERY COAL Y, RO. RECOVERED 1.25		
187.70	188.78	2	816	1.08	88 COAL	BROKEN, LUSTEROUS WITH VERY THIN VITRAIN BANDS, CLEAN, RECOVERED .90 HANGWALL CONTACT: VISUAL - FAIR; PHYSICAL - GOOD	188.10	70
188.78	188.89		816	.11	88 BENT	GREY. RECOVERED .06. R1, WAX FEEL. SAMPLED VERY GOOD VISUAL & PHYSICAL SEPARATION WITH SURROUNDING COAL		
188.89	190.04	2	816	1.15	88 COAL SLICKENSIDED	RECOVERED 1.10. BROKEN STICK, HARD, LUSTEROUS WITH THIN	189.70	69

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TOP	BASE	SEAM	SAM NUM	THIK	% REC	MAJ	MINOR	DETAIL	DEPTH	C.B.A.
								VITRAIN BANDS THROUGHOUT, FOOTWALL CONTACT: VISUAL & PHYSICAL - GOOD.		
190.04	190.91			.87	0	MDST		R1, DARK GREY, MASSIVE. RECOVERED .71		
190.91	191.24	2	817	.33	100	COAL		BROKEN, VERY HARD, CLEAN, LUSTEROUS WITH VERY THIN VITRAIN BANDS THROUGHOUT RECOVERED .33. HANGWALL/FOOTWALL SEPARATION: VISUAL & PHYSICAL - GOOD		
191.24	191.79			.55	0	MDST SLICKENSIDED		DARK GREY, R1, COAL TRACES. RECOVERED .51		
191.79	192.14	2	818	.35	100	COAL		BROKEN STICK. RECOVERED .35. VERY HARD, SEMI-LUSTEROUS TO DULL WITH THIN VITRAIN BANDS. HANGWALL/FOOTWALL CONTACTS: VISUAL & PHYSICAL - GOOD		
192.14	194.29			2.15	0	MDST		DARK GREY, R1, BROKEN STICK, MASSIVE. RECOVERED 1.95		
194.29	194.61	2	819	.32	78	COAL		BROKEN. RECOVERED .25. HARD, LUSTEROUS WITH THIN VITRAIN BANDS. HANGWALL /FOOTWALL SEPARATION: VISUAL - FAIR; PHYSICAL - GOOD		
194.61	195.38			.77	0	MDST		DARK GREY, R1, FRIABLE, MASSIVE. RECOVERED .73		
195.38	196.01	2	820	.63	100	COAL		STICK. RECOVERED .63. SEMI-LUSTEROUS WITH THIN VITRAIN LAYERS, CLEAN. HANGWALL SEPARATION: VISUAL & PHYSICAL - FAIR; FOOTWALL		

CORE DESCRIPTION

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PROJECT TELKWA

LOG DATE 83/08/21

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TOP	BASE SEAM	SAM NUM	THIK	% REC MAJ MINOR	DETAIL	DEPTH	C.B.A.
.00	6.00		6.00	0 0B	0.00-6.00 NOT CORED		
6.00	6.58		.58	0 SS1	VERY SILTY, RO, GREY, REWORKED & BROKEN. RECOVERED .58		
6.58	6.73		.15	0 MDST VERY COALY	BLACK, A FEW THIN VITRAIN BANDS, R2. RECOVERED .15		
6.73	7.43		.70	0 SLST	DARK GREY, R1, BROKEN, NO BEDDING. RECOVERED .70		
7.43	13.50		6.07	0 SS1 SLST	THIN SILTSTONE LAYERS, 90% SANDSTONE, GREY, MICACEOUS, R2, BIOTURBATED, VER Y THINLY BEDDED. RECOVERED 6.0	8.80	70
						10.80	65
						12.00	71
						12.80	71
						13.40	69
13.50	14.43		.93	0 SLST	DARK GREY, BADLY BROKEN, COAL TRACES THROUGHOUT, RO. RECOVERED .90		
14.43	15.74	793	1.31	47 COAL			
15.74	17.00		1.26	0 MDST			
17.00	19.02		2.02	0 SS1	GREY, LAMINATED, R2, BROKEN, TWO 3CM IRONSTONE BANDS.	18.00	64

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TOP	BASE	SEAM	SAM NUM	THIK	% REC MAJ	MINOR	DETAIL	DEPTH	C.B.A.
							RECOVERED .74		
19.02	23.42			4.40	0	SLST	BADLY BROKEN, DARK GREY, ONE 9CM IRONSTONE BAND, FRIABLE, RO, APPEARS MASSI VE. RECOVERED 3.60		
23.42	28.20			4.78	0	SS1	GREEN, NO BEDDING, BROKEN STICK, R2, 10CM IRONSTONE BAND WITH CALCITE HEALE D FRACTURES AT 25.40. 1CM COAL BAND - HIGH PYRITE CONTENT. RECOVERED 4.3 MICACEOUS		
28.20	29.70			1.50	0	SS1	GREY/GREEN, THINLY BEDDED, R2, BROKEN STICK. RECOVERED 1.35. MICACEOUS	28.40	45
								29.50	40
29.70	30.40	7	794	.70	43	COAL	BROKEN, LUSTEROUS WITH THIN VITRAIN BANDS. HARD. RECOVERED .30	30.00	35
30.40	31.72			1.32	0	MDST COALY, SLICKENSIDED	DARK GREY, COAL WISPS, BROKEN, VERY COALY 20CM BAND AT 30.9M, R1. RECOVERED 1.03		
31.72	39.35			7.63	0	SS1	GREY, THINLY BEDDED, R2, BROKEN STICK, WORM BLURROWS, LOWER 2M INTERBEDDED WITH SILTSTONE, SEVERAL THIN IRONSTONE BANDS MICACEOUS. RECOVERED 7.63	31.90	49
								33.50	50
								35.10	50
								36.60	51

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PROJECT TELKWA

LOG DATE 83/08/21

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TOP	BASE	SEAM	SAM NUM	THIK	% REC	MAJ	MINOR	DETAIL	DEPTH	C.B.A.
									37.90	53
									39.00	49
39.35	39.95			.60	0	SLST	SS1 INTERBEDDED	RECOVERED .60. DARK GREY, R2. BROKEN, MICACEOUS		
39.95	40.55			.60	0	MDST	COALY	DARK GREY, BROKEN, R2. RECOVERED .60	39.70	47
40.55	41.64	6	795	1.09	92	COAL		BROKEN, LUSTEROUS WITH THIN VITRAIN BANDING, CLEAN, 3CM CLAY BAND 17CM WITH MUDSTONE AND THIN PYRITE WISPS. FOOTWALL CONTACT IS POLISHED. HANGWALL CONTACT VISUALLY GOOD & PHYSICALLY GOOD. RECOVERED 1.0	41.40	55
									41.60	52
41.64	43.29			1.65	0	SS1	SLST	INTERBEDDED, UPPER 10CM COALY, BROKEN, MEDIUM GREY, THINLY BEDDED, R2.	42.50	53
								RECOVERED 1.65	43.20	49
43.29	43.98			.69	0	SLST	SLICKENSIDED	DARK GREY, BROKEN. RECOVERED .65		
43.98	44.34	6	796	.36	25	COAL		BROKEN, DULL, VERY HIGH ASH. RECOVERED .09		
44.34	46.08	6	797	1.74	31	COAL		RECOVERED .54. BROKEN, LUSTEROUS, THIN VITRAIN BANDING, 5CM MUDSTONE BAND 12CM FROM TOP OF RECOVERED COAL. HANGWALL CONTACT:		

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TOP	BASE SEAM	SAM NUM	THIK	% REC MAJ	MINOR	DETAIL	DEPTH	C.B.A.
						VISUAL - FAIR, PHYSICAL - POOR; NO FOOTWALAL CONTACT - LOST CORE. NB: SHOULD BE COALY MUDSTONE BANDS AT 44.59-44.71M, 45.28-45.38M, 45.79-45.92M; POOR RECOVERY		
46.08	63.56		17.48	0	SS1 SLICKENSIDED, SLST	INTERBEDDED, MEDIUM AND DARK GREY, BROKEN, THINLY BEDDED, MINOR BIOTURBATIO N, R2. RIPPLE BEDDING, POLISHED FRACTURES, SOME SECTIONS FRIABLE WITH BEDDI NG APPARENTLY REWORKED. RECOVERED 17.4	47.30	46
							48.70	49
							49.40	33
							52.40	36
							52.70	48
							53.60	32
							54.00	25
							54.30	10
							55.50	10
							56.00	32
							57.30	38
							58.80	61
							60.30	66

CORE DESCRIPTION

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TOP	BASE SEAM	SAM NUM	THIK	%	REC MAJ	MINOR	DETAIL	DEPTH	C.B.A.
46.08	63.56		17.48	0	SS1	SLICKENSIDED, SLST		61.60	66
								63.10	68
63.56	66.23	2	798	2.67	96	COAL	RECOVERED 2.55. BROKEN, COAL IS UNIFORMLY LUSTEROUS WITH VERY THIN VITRAIN BANDS. CLEAN. CONTACTS ARE BROKEN BUT VISUAL SEPARATION IS VERY GOOD	64.40	62
								66.00	64
66.23	78.60		12.37	0	SLST	POLISHED, SS1	INTERBEDDED, 70% SILTSTONE LAMINATED, BROKEN, DARK GREY. RECOVERED 11.7. DEPOSITIONAL SLUMPING, R2, POLISHED FRACTURES IN LOWER 1M	67.60	56
								70.00	47
								70.60	43
								70.90	68
								73.50	68
78.60	78.80		.20	0	COAL		RECOVERED .05. CRUSHED, DULL		
78.80	84.00		5.20	0	SLST		DARK GREY, R0, POORLY DEVELOPED BEDDING, SOME SECTIONS APPEAR REWORKED, IRONSTONE BANDS 7CM, 15CM, 17CM - R3. RECOVERED 4.9		
84.00	84.22		.22	0	COAL		RECOVERED .22. DULL, HIGH ASH		
84.22	91.20		6.98	0	SS1	SLICKENSIDED	ARGILLACEOUS, R2, GREY, BROKEN, POORLY DEVELOPED		

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TOP	BASE	SEAM	SAM NUM	THIK	% REC	MAJ	MINOR	DETAIL	DEPTH	C.B.A.
								BEDDING, SEVERAL THIN IRONSTONE BANDS. RECOVERED 6.98		
91.20	91.30			.10	0			RECOVERED .10. LUSTEROUS, VERY HARD, R3		
91.30	111.86			20.56	0		SLST SLICKENSIDED	DARK GREY, BROKEN, SEVERAL THIN IRONSTONE BANDS, R1, MAINLY POORLY DEVELOPE D BEDDING. RECOVERED 20.3. CALCITE HEALED FRACTURES USUALLY IN IRONSTONE BANDS, FAULT GOUGE AT 96.6M, SLICKENSIDED THROUGHOUT, SOME SECTIONS THINLY BEDDED.	93.20	63
									94.30	62
									94.80	54
									95.00	54
								TOTAL DEPTH AT 111.86	96.30	58
									97.40	22
									99.90	23
									102.50	44

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-340
 PROJECT TELKWA
 LOG DATE 83/08/25
 EXAMINED BY J. KNUTSON

TOP	BASE SEAM	SAM NUM	THIK	% REC MAJ	MINOR	DETAIL	DEPTH	C.B.A.
.00	7.01		7.01	0	OB			
7.01	14.33		7.32	0	MDST CARBONACEOUS DEBRIS AT TO	MEDIUM TO DARK GREY, SOFT & FRIABLE, BROKEN WITH RUBBLE & POWDER		
14.33	18.81		4.48	0	SLST	DARK GREY, MASSIVE, BROKEN STICK WITH RUBBLE		
18.81	35.05		16.24	0	MDST IRONSTONE NODULES	DARK GREY, RUBBLE AND POWDER, VERY FRIBALE		
35.05	37.00		1.95	0	SSI	GREEN WITH WOOD FRAGMENTS, MASSIVE, MINOR CALCITE REHEALING		
37.00	45.25		8.25	0	MDST POSSIBLE FAULT ZONE AT 44	DARK GREY, EACH WITH WHITE SILTSTONE INTERBEDS AND IRONSTONE MODULES	40.00	68
							43.00	67
45.25	76.25		31.00	0	SLST	MEDIUM GREY, WITH MINOR LIGHTER, U.F.G. INTERBEDS, RIP-UP OF THE SAME MATERIAL THROUGHOUT THE SECTION, MASSIVE, MINOR SSO AND VERY LIGHTLY SLICKENSIDED	72.00	70
76.25	98.67		22.42	0	MDST IRONSTONE MODULES	DARK GREY, SHALEY, RUBBLE AND POWDER		
98.67	102.40		3.73	0	SSI	GREEN FINE GRAINED WITH CARBONACEOUS INTERBEDS	101.00	55
102.40	102.60		.20	100	COAL	DULL RUBBLE		

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-340
 PROJECT TELKWA
 LOG DATE 83/08/25
 EXAMINED BY J. KNUTSON

TOP	BASE SEAM	SAM NUM	THIK	% REC MAJ	MINDR	DETAIL	DEPTH	C.B.A.
102.60	103.28		.68	0 MDST	ALL GOUGE	MEDIUM GREY WITH IRONSTONE PARTS		
103.28	104.28 Q	915	1.00	70	COAL	DULL WITH MINOR BIT POWDER AND RUBBLE		
104.28	105.50		1.22	0	MDST	A/A ALL GOUGE		
105.50	105.80		.30	0	MDST	EXTREMELY CARBONACEOUS, BLACK		
105.80	121.53		15.73	0	MDST	DARK GREY GOUGE AND RUBBLE, SEEM COMPLETELY STRUCTURALLY DEFORMED		
121.53	122.23		.70	0	SLST	MEDIUM GRAIN, LIGHT GREY AND WHITE, MASSIVE BROKEN STICK AND BROKEN LIGHTLY CARBONACEOUS IN MINOR SECTIONS		
122.23	124.00		1.77	0	MDST	DARK GREY, SHALEY, BROKEN		
124.00	126.60		2.60	0	SLST	MEDIUM GREY, MASSIVE WITH RIP-UP OF THE SAME LITHOLOGY		
126.60	130.50		3.90	0	SS1	MEDIUM GREY, GREY/GREEN, BROKEN AND RUBBLE CARBONACEOUS		
130.50	131.06		.56	0	MDST	DARK GREY SHALEY, RUBBLE		
131.06	147.80		16.74	0	SS1	CRS GR SALT AND PEPPER SS		
						FINE GRAIN, GREY/GREEN WITH		

CORE DESCRIPTION

03/07/84

HOLE ID TWB3D-340
 PROJECT TELKWA
 LOG DATE 83/08/25
 EXAMINED BY J. KNUTSON

TOP	BASE	SEAM	SAM NUM	THIK	% REC MAJ MINOR	DETAIL	DEPTH	C.B.A.
						CARBONACEOUS AND IRONSTONE PARTINGS		
147.80	148.35	3	914	.55	45 COAL	DULL WITH BRT RUBBLE AND POWDER .25/.55	148.00	66
148.35	153.80			5.45	0 SS1	COARSE GRAIN, SALT & PEPPER IN COLOUR WHICH CONTAINS COAL WISPS AND MINOR CALCITE, MASSIVE BECOMES ALMOST CONGLOMERATIC NEAR THE BOTTOM	153.50	65
153.80	156.57			2.77	0 MDST	VERY CARBONACEOUS WITH MINOR COAL PARTINGS, SHALEY, RUBBLE AND POWDER		
156.57	158.39	2	913	1.82	82 COAL	DULL, RUBBLE AND POWDER, 1.45/1.77		
158.39	160.63			2.24	0 SS1	CRS A/A		
160.63	162.40			1.77	0 MDST	VERY CARBONACEOUS RUBBLE AND POWDER WITH COAL PARTINGS	161.00	80
162.40	162.72	2		.32	50 COAL			
162.72	163.12			.40	0 MDST	AS ABOVE		
163.12	163.42	2	912	.31	50 COAL	DULL WITH MINOR BRT, BROKEN WITH RUBBLE, .15/.3		
163.42	164.41			.99	0 MDST	A/A		
164.41	164.91	2	911	.50	60 COAL	DULL WITH 55% VITRAIN BANDS		

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-341
 PROJECT TELKWA
 LOG DATE 83/09/02
 EXAMINED BY D. HANDY

TOP	BASE SEAM	SAM NUM	THIK	% REC MAJ MINOR	DETAIL	DEPTH	C.B.A.
.00	9.14		9.14	0 DB			
9.14	49.40		40.26	0 MDST SILTSTONE/IRONSTONE	MEDIUM GREY, MASSIVE MUDSTONE UNIT WITH OCCASIONAL SILTY SECTIONS, OCCASIONAL IRONSTONE MODULAR. HIGHLY WEATHERED - CRUMBLY TO BROKEN STICK		
49.40	76.79		27.39	0 SLST	MEDIUM TO DARK GREY MASSIVE SILTSTONE BROKEN, CRUMBLY CORE - BREAKS INTO SMALL FRAGMENTS, NO RELIABLE BEDDING ANGLES TO BE TAKEN		
76.79	113.08		36.29	0 SS1	VERY FINE GRAINED SS, MASSIVE, MEDIUM GREY OCCASIONAL CARBONACEOUS WISPS, OCCASIONAL SILTY SECTIONS, OCCASIONAL IRONSTONE, ALL THIS UNIT IS HIGHLY WEATHERED AND CRUMBLY	79.00	88
113.94	114.44 2		.50	8 COAL	RECOVERY = .04/.50 = 8%		
114.44	115.29		.86	0 MDST CARBONACEOUS	MEDIUM DARK GREY MUDSTONE WITH CARBONACEOUS LAYER, FRAGMENTS ETC		
115.29	116.08 2	899	.79	76 COAL SHALEY	RECOVERY = .60/.79 = 76%, BROKEN COAL FRAGMENTS - SHEARED		
116.08	117.15		1.07	0 MDST	A/A		
117.15	132.30		15.15	0 SLST MDST/IRST	DARK GREY SILTSTONE INTERBEDDED WITH THIN MUDSTONE	121.50	79

CORE DESCRIPTION

03/07/84

HOLE ID TWB3D-342
 PROJECT TELKWA
 LOG DATE 83/08/19
 EXAMINED BY S. CAMERON

TOP	BASE	SEAM	SAM NUM	THIK	% REC MAJ	MINOR	DETAIL	DEPTH	C.B.A.
.00	6.10			6.10	0	DB			
6.10	30.80			24.70	0	MDST SLST	GREY BLACK MUDSTONE THINLY INTERBEDDED WITH GREY SILTSTONE, OCCASIONAL 5 CM BAND OF LIGHT GREY SS1, OCCASIONAL BROWN WEATHERING IRONSTONE MODULE PRESENT. THESE MODULES CONTAIN AN ABUNDANCE OF CALCITE VEINS	13.00	85
								20.00	80
								25.00	83
								30.00	78
30.80	41.25			10.45	0	SS1 GREEN, DARK	DARK OLIVE GREEN SS1, MASSIVE, MICACEOUS. SOME THIN ELIPSOIDAL IRONSTONE BANDS NEAR BASE OF UNIT. NO BEDDING EVIDENT	35.00	80
41.25	43.08			1.83	0	SLST SS1	DARK GREY SILTSTONE INTERBEDDED WITH LIGHTER GREY SS1, CONTACTS WITHIN UNIT ARE GRADATIONAL, SOME BIOTURBATION EVIDENT NEAR BASE OF UNIT	43.00	64
43.08	44.16	10	799	1.08	91	COAL	DULL WITH THIN 5 - 10 M VITRAIN BANDS, ABUNDANCE OF CALCITE ALONG CLEATS NO VISIBLE SULPHIDES, OCCASIONAL SLICKENSIDED SURFACT WITHIN SEAM. CONTACTS ARE NOT PRESERVED. COLOR CONTRAST WITH FOOTWALL AND HANGING WALL IS GOOD		
44.16	45.04			.88	0	SLST MDST	GREY SILTSTONE INTERBEDDED WITH GREY-BLACK MUDSTONE, GRADATION CONTACT WITH SS1 BELOW	44.50	66

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-342
 PROJECT TELKWA
 LDG DATE 83/08/19
 EXAMINED BY S. CAMERON

TOP	BASE SEAM	SAM NUM	THIK	% REC MAJ MINOR	DETAIL	DEPTH	C.B.A.
45.04	52.32		7.28	0 SS1 LIGHT GREEN	LIGHT GREEN/GREY SS1 INTERBEDDED WITH THIN BANDS OF GREY-BLACK MUDSTONE. BROWN WEATHERING IRONSTONE BANDS, SOME SLUMPING STRUCTURES ARE EVIDENT WHERE THE MUDSTONE BANDS ARE PREVALENT, SHARP CONTACT WITH UNIT BELOW	47.00	64
52.32	57.30		4.98	0 MDST SS1	GREY-BLACK MUDSTONE INTERBEDDED WITH VERY THIN BANDS OF LIGHT GREY SS1. GRADES DOWN INTO MASSIVE GREY-BLACK MUDSTONE	54.00	71
57.30	58.70	9	1.40	85 COAL	DULL WITH BRIGHT OCCASIONAL THIN (2 CM) BAND OF VITRAIN. CALCITE ALONG CLEATS IN VITRAIN BANDS. ABUNDANCE OF SLICKENSIDES NEAR TOP OF UNIT, MINOR SLICKENSIDES AT BASE OF UNIT, COLOR CONTACT GOOD		
58.70	61.33		2.63	0 MDST CARBONACEOUS	CARBONACEOUS BLACK MUDSTONE, OCCASIONAL THIN COALY STRINGER, OCCASIONAL SLICKENSIDE ALONG BEDDING PLANE	59.50	75
61.33	64.28	8	2.95	90 COAL	DULL WITH OCCASIONAL BRIGHT VITRAIN BANDS ABUNDANCE OF SULPHUR NEAR HANGING WALL OF SEAM. COLOR CONTRAST ON CONTACTS IS GOOD. CONTACTS THEMSELVES NOT PRESERVED		
64.28	64.78		.50	0 MDST	DARK GREY, CARBONACEOUS	64.50	84

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-342
 PROJECT TELKWA
 LOG DATE 83/08/19
 EXAMINED BY S. CAMERON

TOP	BASE SEAM	SAM NUM	THIK	% REC MAJ	MINOR	DETAIL	DEPTH	C.B.A.
						OCCASIONAL THIN BAND OF INTERBEDDED LIGHT GREY SS1, GRADATIONAL CONTACT WITH UNIT BELOW		
64.78	67.20		2.42	0	SS1 MDST	LIGHT GREY SS1 INTERBEDDED WITH GREY BLACK MUDSTONE AND OCCASIONAL BROWN IRONSTONE BAND, THIS IS A FINING UPWARD SEQUENCE	66.00	84
67.20	71.75		4.55	0	MDST SS1	DARK GREY BLACK MUDSTONE WITH OCCASIONAL THIN INTERBEDS OF LIGHT GREY SS1 OCCASIONAL SLICKENSIDED SURFACES	68.00	69
71.75	72.44		.69	0	SS2	SALT AND PEPPER MEDIUM GRAINED SS2, CONTORTED AND CONVOLUTED BEDDED. ABUNDANCE OF IRONSTONE BANDS AND MODULES (8 CM)		
72.44	72.49		.05	0	BENT	LIGHT GREY		
72.49	74.07	7	1.58	88	COAL	DULL WITH BRIGHT OCCASIONAL SLICKENSIDED SURFACE BROKEN		
74.07	74.77		.70	0	MDST CARBONACEOUS	MINOR COAL STRINGERS	74.50	84
74.77	80.02		5.25	0	MDST SS1/FAULT	GREY BLACK SILTSTONE THINLY INTERBEDDED WITH GREY SILTSTONE, ABUNDANCE OF SLICKENSIDES (VERTICAL)	75.30	29
						OCCASIONAL IRONSTONE MODULE WITH ABUNDANCE OF CALCITE. END	77.00	24
							78.50	26

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-342
 PROJECT TELKWA
 LOG DATE 83/08/19
 EXAMINED BY S. CAMERON

TOP	BASE	SEAM	SAM NUM	THIK	% REC	MAJ	MINOR	DETAIL	DEPTH	C.B.A.
								OF FAULT-FOLD AT 79.5 M	80.00	86
80.02	81.66			1.64	0		MOST CARBONACEOUS	BECOMES COALY MUDSTONE AT BASE OF UNIT-GRADATIONAL CONTACT WITH COAL BELOW	81.00	87
									82.50	86
81.66	84.91	5	803	3.25	82		COAL	DULL WITH BRIGHT BROKEN STICK CORE, POOR PHYSICAL HANGING WALL CONTACT, POOR HANGING WALL COLOR CONTRAST		
84.91	88.79			3.88	0		MOST CARBONACEOUS	DARK GREY-BLACK MUDSTONE OCCASIONAL COALY STRINGER, MASSIVE WEATHERS READILY, OCCASIONAL IRONSTONE MODULE	86.00	69
88.79	90.50	4	804	1.71	45		COAL	DULL WITH OCCASIONAL BRIGHT VITRAIN BAND OCCASIONAL VERY THIN BAND 1 MM OF MUDSTONE LENSES. ABUNDANCE OF CALCITE ALONG THE VITRAIN CLEATS		
90.50	92.10			1.60	0		MOST	GREY-BLACK WITH OCCASIONAL THINLY INTERBEDDED LIGHT GREY SS1		
92.10	97.40			5.30	0		SS1 MDST	LIGHT GREY SS1 WITH THIN INTERBEDS OF DARK GREY BLACK MUDSTONE GRADATIONAL CONTACT WITH ABOVE UNIT, SOME BIOTURBATION AND SOFT-SEDIMENT DEFORMATION. OCCASIONAL IRONSTONE MODULES CONTAINING CALCITE VEINS ARE PRESENT. FINES DOWN TOWARD BASE OF UNIT		

CORE DESCRIPTION

03/07/84

HOLE ID TWB3D-342
 PROJECT TELKWA
 LOG DATE 83/08/19
 EXAMINED BY S. CAMERON

TOP	BASE	SEAM	SAM NUM	THIK	% REC MAJ	MINDR	DETAIL	DEPTH	C.B.A.
97.40	99.10	3	805	1.70	64	COAL	97.40 - 98.30 COAL, 98.30 - 98.32 BENTONITE (?), 98.32 - 98.40 COAL, 98.40 - 98.44 SHALEY COAL, 98.44 - 99.10 COAL, H.W. CONTACT - VISIBLE; GOOD PHYSICAL: GOOD, F.W. CONTACT IS GRADATIONAL OVER 20 CM. CALCITE ALONG VITRAIN CLEATS	98.30	84
99.10	101.00			1.90	0	MDST	DARK GREY BLACK MUDSTONE OCCASIONAL COALY STRINGER	100.00	76
101.00	101.12	2		.12	95	COAL SHALEY	ABUNDANCE OF CALCITE OCCASIONAL SLICKENSIDE		
101.12	101.32			.20	0	SLST	PYRITE BANDS PRESENT IN GREY-BLACK SILTSTONE		
101.32	101.90	2	806	.58	95	COAL	DULL HARD COAL OCCASIONAL VITRAIN BAND	101.50	77
101.90	102.50			.60	0	MDST	GREY BLACK OCCASIONAL COALY STRINGER AND IRONSTONE MODULE OR BAND		
102.50	107.40			4.90	0	MDST SS1	GREY-BLACK MUDSTONE WITH THIN INTERBEDS OF GREY SS1, BEDS BECOME THINNER AND LESS FREQUENT TOWARD BASE OF UNIT. OCCASIONAL IRONSTONE BAND WITH CALCITE VEINS		
107.40	130.15			22.75	0	MDST SLST	DARK GREY BLACK MUDSTONE		

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-343
 PROJECT TELKWA
 LOG DATE 83/09/02
 EXAMINED BY D. DANDREA

TOP	BASE SEAM	SAM NUM	THIK	% REC MAJ	MINOR	DETAIL	DEPTH	C.B.A.
.00	9.66		9.66	0	OB			
9.66	20.42		10.76	0	SLST	BROWN/GREY IRONSTONE MODULES, DARK GREY WITH WHITE INTERLAMINATIONS, BROKEN WITH RUBBLE	17.40	76
20.42	53.00		32.58	0	MDST	BROWN/GREY IRONSTONE MODULES, GOUGE AT 32.61 AND AT 53 M, IRONSTONE CONTAINS CALCITE, DARK GREY WITH WHITE SILTSTONE INTERLAMINATIONS, BROKEN AND RUBBLE WITH MINOR POWDER	36.00	76
53.00	55.86		2.86	0	MDST	A/A BUT WEATHERED VERY LIGHT GREY, EXTREMELY FRIABLE AND SOFT		
55.86	60.34		4.48	0	SS1	CALCITE FILLED IRONSTONE PARTING FROM 55.17 - 59.64, GOUGE AT THE BOTTOM OF THE IRONSTONE, V.F.G. - F.G, GREY/GREEN, MASSIVE		
60.34	71.19		10.85	0	SS1	F.G WITH BROWN IRONSTONE AND THIN BLACK CARBONACEOUS MUDSTONE PARTINGS, SST IS GREY/GREEN IN COLOUR, MINOR CALCITE REHEALING	64.00	76
71.19	73.46		2.27	0	MDST MINOR IRONSTONE PARTING	DARK GREY WITH WHITE SILTSTONE INTERBEDS		
73.46	73.80	10	.34	97	COAL EXTENSIVE PYRITE	DULL WITH 5% VITRAIN, BROKEN WITH RUBBLE .33/.34		

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-343
 PROJECT TELKWA
 LOG DATE 83/09/02
 EXAMINED BY D. DANDREA

TOP	BASE	SEAM	SAM NUM	THIK	% REC MAJ	MINOR	DETAIL	DEPTH	C.B.A.
73.80	75.27			1.47	0	MDST	DARK GREY, SOFT AND FRIABLE		
75.27	75.60	9	886	.33	85	COAL	PYRITE DISEMINATED THROUGHOUT COAL, DULL WITH < 5% INTERBEDDED .28/.33		
75.60	76.24			.64	0	MDST	DARK GREY WITH MINOR CARBONACEOUS PARTINGS		
76.24	78.48	8	887	2.24	89	COAL	VERY MINOR PYRITIC SAND PARTINGS, DULL WITH < 5% VITRAIN BANDS 2.0/2.24		
78.48	86.82			8.34	0	MDST IRST MODULES	DARK GREY WITH WHITE SILTSTONE INTERBEDS, THINLY LAMINATED, BROKEN STICK		
86.82	89.36			2.54	0	SS1	F.G. GREY GREEN WITH MINOR MUDSTONE PARTING BROKEN WITH RUBBLE	89.00	74
89.36	89.86			.50	0	MDST	DARK GREY RUBBLE	89.50	75
89.86	91.18	7	888	1.32	40	COAL GOUGE AT BOTTOM	DULL WITH MINOR BRT RUBBLE AND POWDER GOUGE AT BOTTOM .5/1.32, GREY/GREEN RUBBLE AND POWDER		
91.18	91.79			.61	0	SS1	GREY/GREEN RUBBLE AND POWDER		
91.79	91.89	7	889	.10	100	COAL	VERY DULL HIGH ASH		
91.89	94.60			2.71	0	MDST	BROWN/GREY IRONSTONE PARTINGS, DARK GREY, SHALEY, CARBONACEOUS BROKEN WITH		

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-343
 PROJECT TELKWA
 LOG DATE 83/09/02
 EXAMINED BY D. DANDREA

TOP	BASE	SEAM	SAM NUM	THIK	% REC MAJ	MINOR	DETAIL	DEPTH	C.B.A.
91.89	94.60			2.71	0	MDST	RUBBLE		
94.60	95.65	7	889	1.05	100	COAL	MINOR PYRITIC SAND AND BENTONITIC PARTING TO .03 M THICK, DULL WITH < 5% BRT 1.05/1.05		
95.65	96.24			.59	0	MDST	MEDIUM GREY BROKEN		
96.24	97.32	7	890	1.08	94	COAL	MOSTLY DULL WITH < 5% VITRAIN 1.02/1.08, BROKEN AND RUBBLE		
97.32	102.30			4.98	0	MDST	GOUGE FROM 97.5 - 98.45 DARK GREY, CARBONACEOUS WITH WHITE SILTSTONE INTERBEDS BROKEN STICK	101.00	73
102.30	105.12	6	891	2.82	93	COAL	MINOR BENTONITE AT BOTTOM AND CALCITE REHEALING, DULL WITH < 5% VITRAIN, BROKEN STICK WITH RUBBLE 2.61/2.82		
105.12	106.67			1.55	0	MDST	BROWN/GREY IRONSTONE DARK GREY - MEDIUM GREY WITH PLANT DEBRIS, SHALEY LIGHTLY SLICKED RUBBLE		
106.67	108.09	6	892	1.42	70	COAL	DULL WITH MINOR BRT, SOME CALCITE FILLING BROKEN AND RUBBLE .67/1.42		
108.09	109.00			.91	0	MDST	BROWN/GREY IRONSTONE PARTING MEDIUM AND DARK GREY SHALEY		
109.00	117.65			8.65	0	SSI	F.G. LIGHT GREY WITH CRS GR PARTINGS AND IRONSTONE PARTINGS, BROKEN STICK	115.00	60
117.65	124.30			6.65	0	MDST	MEDIUM AND DARK GREY WITH		

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-343
 PROJECT TELKWA
 LOG DATE 83/09/02
 EXAMINED BY D. DANOREA

TOP	BASE	SEAM	SAM NUM	THIK	% REC MAJ	MINOR	DETAIL	DEPTH	C.B.A.
							BROWN/GREY IRONSTONE PARTING		
124.30	124.48			.18	0	MDST	EXTREMELY CARBONACEOUS		
124.48	124.90			.42	0	MDST	MEDIUM GREY		
124.90	125.28	3	893	.38	95	COAL	EXTREMELY DULL HIGH ASH .36/.38	124.00	74
125.28	126.14			.86	0	MDST	A/A		
126.14	127.16	3	894	1.02	92	COAL	DULL WITH MINOR BRT < 5% VITRAIN		
127.16	127.69			.53	0	MDST	A/A VERY FLIABLE		
127.69	128.04	3	895	.35	94	COAL MINOR PYRITIC SAND	DULL WITH MINOR BRT .33/.35		
128.04	128.63			.59	0	MDST	A/A		
128.63	128.79	3		.16	75	COAL	DULL		
128.79	137.62			8.83	0	MDST	COAL PARTING TO .15 M THICK AT 137.62 M, MUDSTONE MEDIUM GREY-DARK GREY WERE CARBONACEOUS, PARTINGS OCCUR	129.60	69
137.62	138.08	2		.46	75	COAL			

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-343
 PROJECT TELKWA
 LOG DATE 83/09/02
 EXAMINED BY D. DANDREA

TOP	BASE SEAM	SAM NUM	THIK	% REC MAJ	MINOR	DETAIL	DEPTH	C.B.A.
138.08	139.05		.97	0	MDST			
139.05	140.05 2	896	1.00	75	COAL	DULL WITH MINOR VITRAIN < 5%. .75/1.0	139.00	75
140.05	140.39		.34	0	MDST	CARBONACEOUS LIGHTLY SLICKENSIDED		
140.39	140.55 2		.16	100	COAL	DULL WITH MINOR BRT .13/.16		
140.55	140.86		.31	0	MDST	A/A SHALEY		
140.86	141.20 2	900	.34	100	COAL	GOUGE ON F.W., A/A BROKEN STICK .26/.26		
141.20	142.62		1.42	0	MDST	LOST CORE		
142.62	142.92	897	.30	100	COAL	DULL WITH MINOR BRIGHT, .3/.3		
142.92	144.01		1.09	0	MDST	DARK GREY CARBONACEOUS SHALEY AND FRIABLE		
						DARK GREY, CARBONACEOUS, SHALEY AND FRIABLE		
144.01	144.58 2	898	.57	84	COAL PYRITE ON CLEATS	DULL WITH MINOR BRT. .49/.58		
144.58	154.53		9.95	0	MDST IRONSTONE MODULES	DARK GREY WITH WHITE SILTSTONE	154.00	68

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-344
 PROJECT TELKWA
 LOG DATE 83/09/02
 EXAMINED BY D. DANDREA

1

TOP	BASE	SEAM	SAM NUM	THIK	% REC	MAJ	MINOR	DETAIL	DEPTH	C.B.A.
.00	2.60			2.60	0	OB				
2.60	54.77			52.17	0	MDST		SILTSTONE ALSO CONTAINS BROWN/GREY IRONSTONE NOUDLES, DARK GREY MUDSTONE, FRIABLE AND SHALEY. WITH WHITE SILTSTONE INTERBEDS, LIGHT - MOD FRACTURING LIGHTLY SLICKENSIDED BROKEN STICK AND RUBBLE	50.00	68
54.77	56.54			1.77	0	SS1	IRONSTONE MODULE	FINE GRAIN, MASSIVE, STICK WITH RUBBLE		
56.54	60.05			3.51	0	SS1		F.G. MEDIUM GREY WITH IRONSTONE INTERBEDS - MINOR CALCITE REHEATING STICK, BROKEN STICK	59.00	70
60.05	62.00			1.95	0	MDST		CARBONACEOUS DARK GREY, SHALE, BROKEN WITH RUBBLE		
62.00	63.12	9	901	1.12	53	COAL		DULL WITH <5% VITRATN BROKEN AND RUBBLE .6/1.12		
63.12	64.58			1.46	0	MDST	GOUGE & RUBBLE AT BOTTOM			
64.58	65.70	8	902	1.12	24	COAL				
65.70	69.00			3.30	0	MDST	GOUGE AT 66.75			
69.00	70.88			1.88	0	SS1		MEDIUM GREY SALT AND PEPPER.		

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-344
 PROJECT TELKWA
 LOG DATE 83/09/03
 EXAMINED BY D. DANDREA

TOP	BASE	SEAM	SAM NUM	THIK	% REC MAJ MINOR	DETAIL	DEPTH	C.B.A.
						MASSIVE WITH MINOR CARBONACEOUS PARTING AND MINOR CALCITE REHEALING		
70.88	77.30			6.42	0 SS1	FINE GRAINED, GREY/GREEN WITH MUDSTONE AND IRONSTONE INTERBEDS. BROKEN STIC K WITH RUBBLE	75.50	60
77.30	77.37			.07	0 COAL	NO DESCRIPTION REMOVED FROM BOX		
77.37	81.07			3.70	0 MDST	CARBONACEOUS, DARK GREY, SHALEY RUBBLE		
81.07	83.88			2.81	0 SS1			
83.88	84.18 7			.30	33 COAL PYRITE THROUGHOUT	DULL WITH MINOR VITRAIN .1/.3	84.00	68
84.18	85.21			1.03	0 MDST GOUGE AT 85 M	DARK GREY, BROKEN		
85.21	87.29 7		903	2.08	73 COAL PYRITE DISSEMINATED THROU	DULL WITH BRT 5%, BROKEN STICK AND RUBBLE, MINOR SPLIT (MUDSTONE) .02 M AT 86 M, 1.52/2.08		
87.29	94.74			7.45	0 MDST	DARK GREY WITH WHITE SILTSTONE INTERBEDDED, RUBBLE AND GOUGE THROUGHOUT	88.00	80
94.74	95.05 6		904	.31	100 COAL	DULL WITH BRT RUBBLE AND POWDER		

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-344
 PROJECT TELKWA
 LOG DATE 83/09/03
 EXAMINED BY D. DANDREA

TOP	BASE	SEAM	SAM NUM	THIK	% REC	MAJ	MINOR	DETAIL	DEPTH	C.B.A.
95.05	95.15			.10	0	MDST		MEDIUM GREY RUBBLE AND POWDER		
95.15	96.94	6	905	1.79	62	COAL		DULL WITH BRT <5% TOP .55 M IS POWDER, BOTTOM IS BROKEN STICK, 2.5/4.0		
96.94	97.10			.16	0	SH				
97.10	99.15	6		2.05	0	COAL				
99.15	100.58			1.43	0	MDST		MEDIUM DARK GREY WITH IRONSTONE PARTINGS	100.50	54
100.58	111.46			10.88	0	SS		GREY/GREEN F.G. WITH EXTENSIVE MUDSTONE AND IRONSTONE PARTINGS CONTAINING CALCITE		
111.46	111.72	3		.26	0	COAL				
111.72	111.96			.24	0	SS				
111.96	112.60	3	906	.64	84	COAL		DULL WITH BRT, CLEATED PYRITE STICK WITH BROKEN .54/.64		
112.60	112.88			.28	0	MDST		POWDER		
112.88	113.11	3	908	.23	87	COAL		A/A RUBBLE .2/.23		

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-344
 PROJECT TELKWA
 LOG DATE 83/09/03
 EXAMINED BY D. DANDREA

TOP	BASE	SEAM	SAM NUM	THIK.	% REC MAJ	MINOR	DETAIL	DEPTH	C.B.A.
113.11	113.23		908	.12	0	MDST	SHALEY RUBBLE		
113.23	113.52	3	908	.29	86	COAL	A/A BROKEN WITH RUBBLE .25/.29		
113.52	115.60			2.08	0	MDST IRONSTONE PARTINGS	DARK GREY WITH WHITE SILTSTONE INTERBEDDED, FRIABLE AND SHALEY		
115.60	115.70	2		.10	0	COAL	DULL		
115.70	116.39			.69	0	MDST	A/A		
116.39	116.54	2		.15	0	COAL			
116.54	116.80			.26	0	MDST			
116.80	117.12	2		.32	50	COAL	DULL WITH <5% VITRAIN, LIGHTLY SLICKENSIDED. .16/.32		
117.12	117.86			.74	88	MDST	POWDER AND RUBBLE, CARBONACEOUS. .16/.18		
117.86	118.00	2		.14	0	COAL			
118.00	118.49			.49	0	MDST			
118.49	118.65	2		.16	88	COAL	DULL WITH MINOR BRIGHT, .16/.18		

CORE DESCRIPTION

03/07/84

HOLE ID TWB30-344
 PROJECT TELKWA
 LOG DATE 83/09/02
 EXAMINED BY D. DANDREA

TOP	BASE	SEAM	SAM NUM	THIK	% REC MAJ	MINOR	DETAIL	DEPTH	C.B.A.
118.65	118.76			.11	0	MDST			
118.76	118.94	2		.18	0	COAL			
118.94	119.12			.18	0	MDST	BENTONITIC ON BOTTOM .02 M, A/A RUBBLE		
119.12	119.72	2	907	.60	62	COAL MINOR CALCITE AND PYRITE	DULL WITH BRT, RUBBLE, .37/.6		
119.72	121.42			1.70	0	MDST MINOR COAL PARTING	DARK GREY, RUBBLE AND POWDER		
121.42	121.64	2	909	.22	91	COAL	DULL WITH BRT .2/.22		
121.64	122.43			.79	0	MDST	DARK GREY FRIABLE, RUBBLE AND POWDER		
122.43	123.52	2	910	1.09	66	COAL	DULL A/A LIGHTLY SLICKENSIDED, RUBBLE AND BROKEN .72/1.0		
123.52	139.29			15.77	0	MDST IRONSTONE MODULES	DARK GREY WITH WHITE SILTSTONE INTERBEDS, BROKEN AND RUBBLE	133.00	65
139.29	148.44			9.15	0	SLST	MEDIUM GREY, MASSIVE, BROKEN AND RUBBLE		

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-345
 PROJECT TELKWA
 LOG DATE 83/08/28
 EXAMINED BY J. EISENMAN

TOP	BASE SEAM	SAM NUM	THIK	% REC MAJ MINOR	DETAIL	DEPTH	C.B.A.
.00	26.10		26.10	0 0B	NOT CORED		
26.10	28.65		2.55	0 SLST	BROKEN, DARK GREY, RO, WEATHERED		
28.65	28.75		.10	0 COAL	REC: .04, CRUSHED, BRT		
28.75	33.30		4.55	0 SLST SS1	INTERBEDDED, SS IS GREY, SILTSTONE DARK GREY, THINLY BEDDED WITH SS1 BANDS, R1 BROKEN, SOME SECTIONS ARE CRUSHED	28.80	68
						32.40	55
						33.20	45
33.30	34.10		.80	0 SS2	GREY, R2, FEW MINOR SILTSTONE BANDS, REC: .8 M	33.50	63
34.10	38.56		4.46	0 SLST SLICKENSIDED, SS1	DARK GREY, THINLY BEDDED WITH THIN SS1 BANDS, R1, BROKEN, 10 CM SS2 LAYER	36.00	15
					AT 35.16 M, DEPOSITIONAL SLUMPING	37.30	40
38.56	39.64	9	841	1.08 30 COAL	BADLY BROKEN, LUSTEROUS WITH MINOR VITRAIN BANDING. RECOVERED .32M		
39.64	42.58		2.94	0 SLST	THINLY BEDDED WITH THIN SS1 BANDS, R1, DARK GREY, BROKEN. RECOVERED 2.75M		
42.58	43.38	8	842	.80 75 COAL	BROKEN, LUSTEROUS WITH MINOR VITRAIN BANDS, CLEAN, REC: .60 M, LOWER 10 CM HAS HEAVY CALCITE DEPOSITS ALONG CLEAT	42.80	70
						43.10	71

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-345
 PROJECT TELKWA
 LOG DATE 83/08/28
 EXAMINED BY J. EISENMAN

TOP	BASE	SEAM	SAM NUM	THIK	% REC MAJ	MINDR	DETAIL	DEPTH	C.B.A.
43.38	43.60			.22	0	SLST	DARK GREY, R1, MASSIVE, REC: .22 M		
43.60	45.20	8	843	1.60	32	COAL POLISHED	BROKEN, REC: .51 M, LUSTEROUS WITH NUMEROUS SMALL VITRAIN BANDS	44.00	66
45.20	50.12			4.92	0	MDST SLST	INTERBEDDED, SEVERE DEPOSITIONAL SLUMPING, DARK GREY, R1, VITRAIN BANDS AND BLEBS, REC: 4.4 M	46.00	57
50.12	51.25	0	844	1.13	21	COAL	REC: .24 M, SHOULD BE A MUDSTONE BAND AT 50.88 - 51.00 M - LOST CORE, COAL IS BROKEN, LUSTEROUS WITH THIN VITRAIN BANDS THROUGHOUT		
51.25	51.60			.35	0	SLST	DARK GREY, R3, VERY DENSE, REC: .26 M		
51.60	51.76	0	845	.16	73	COAL SLICKENSIDED	REC: .16 M, LUSTEROUS, CLEAN, 4 CM PYRITIC BAND AT 51.66 M, BROKEN, H.W. SEPARATION - VISUAL: GOOD PHYSICAL: GOOD, F.W. SEPARATION - VISUAL: FAIR PHYSICAL: GOOD	51.70	39
51.76	51.90		845	.14	0	MDST COALY	DARK GREY, R1, REC: .14 M	51.80	37
51.90	52.38	0	845	.48	0	COAL	BROKEN, REC: .27 M, LUSTEROUS WITH HIGH VITRAIN CONTENT		
52.38	58.20			5.82	0	MDST SLICKENSIDED, SS1	DARK GREY, MAINLY BROKEN	53.10	46

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-345
 PROJECT TELKWA
 LOG DATE 83/08/28
 EXAMINED BY J. EISENMAN

TOP	BASE	SEAM	SAM NUM	THIK	% REC MAJ	MINOR	DETAIL	DEPTH	C.B.A.
							STICK, THINLY BEDDED WITH SS1 LAYERS, 10 CM COALY		
							AT 57.5 M, MINOR DEPOSITIONAL SLUMPING, REC: 5.50 M	55.40	53
								55.60	30
								56.90	53
58.20	58.76	7	846	.56	18	COAL SLICKENSIDED	CRUSHED, REC: .10 M, BRT, CLEAN		
58.76	59.31			.55	0	MDST SLICKENSIDED	MASSIVE, REC: .36 M, UPPER 10 CM IS R2, REMAINDER IS R1		
59.31	59.84	7	847	.53	75	COAL POLISHED	REC: .40 M, BROKEN, LUSTEROUS, HIGH VITRAIN CONTENT		
59.84	60.01			.17	0	MDST	REC: .17 M, BROKEN, MASSIVE, R1, DARK GREY		
60.01	61.69	7	848	1.68	80	COAL SLICKENSIDED	REC: 1.42, BADLY BROKEN, LUSTEROUS, CLEAN, THIN VITRAIN BANDING THROUGHOUT,	60.30	35
							2 CM BENTONITIC BAND AT 60.80 M AND 60.86 M - TAN COLORED - R2	60.70	49
61.69	61.72	7	848	.03	0	PYRT	REC: .03 M, SOLID BAND, NO CRYSTALS VISIBLE		
61.72	61.93	7	848	.21	0	COAL SLICKENSIDED	BRT, BROKEN, REC: .08		
61.93	75.26			13.33	0	SLST SLICKENSIDED	DARK GREY, R1, MAINLY BROKEN STICK, FEW THIN IRONSTONE BANDS, MAINLY THINLY BEDDED WITH SOME SECTIONS	63.30	54
								64.20	74

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-345
 PROJECT TELKWA
 LOG DATE 83/08/28
 EXAMINED BY J. EISENMAN

TOP	BASE SEAM	SAM NUM	THIK	% REC MAJ	MINOR	DETAIL	DEPTH	C.B.A.
						POORLY DEVELOPED		
							65.40	45
							66.20	60
							68.50	45
							70.40	44
							71.30	74
							72.20	62
							73.50	67
75.26	76.19 6	849	.93	69	COAL	BROKEN. REC .64M. LUSTEROUS WITH THIN VITRAIN BANDS THROUGHOUT, VERY HIGH VITRAIN CONTENT, NO FOOTWALL CONTACT - LOST CORE. HANGWALL CONTACT VISUAL AND PHYSICAL - GOOD	75.10	73
							75.30	61
							76.00	62
76.19	76.85		.66	0	SLST SS1	DARK GREY, R1, 6 CM IRONSTONE BAND, THINLY BEDDED WITH SS LAYERS. REC: .66 M, BREAKS EASILY ALONG BEDDING	76.30	69
							76.80	68
76.85	77.38 6	850	.53	50	COAL	REC: .25 M, BROKEN, BOTTOM IS CRUSHED, LUSTEROUS, CLEAN, THINLY BANDED WITH VITRAIN	76.90	45
							77.20	28

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-345
 PROJECT TELKWA
 LOG DATE 83/08/28
 EXAMINED BY J. EISENMAN

TOP	BASE	SEAM	SAM NUM	THIK	% REC MAJ MINOR	DETAIL	DEPTH	C.B.A.
77.38	77.51		850	.13	0 MDST POLISHED	DARK GREY, CRUSHED, REC: .07 M		
77.51	78.20	6	850	.69	0 COAL	BROKEN, REC: .50 M, SAME AS COAL ABOVE, HARD	78.10	43
78.20	82.83			4.63	0 MDST SLICKENSIDED, SILTSTONE	THINLY BEDDED WITH SILTSTONE LAYERS, RI, MAINLY BROKEN STICK, 8 CM COAL	78.40	56
						BAND AT 81.5 M, SEVERAL SLICKENSIDES, SUB-PARALLEL TCA BEDDING APPEARS TO BEGIN AT A HIGHLY POLISHED FRACTURE AT 79.2M	79.50	19
							80.00	18
							81.20	5
							82.80	30
82.83	83.33		851	.50	60 COAL SLICKENSIDED	BROKEN, REC: .30 M, CALCITE ALONG CLEFT, LUSTEROUS	83.00	34
83.33	83.76			.43	0 MDST SLICKENSIDED	BROKEN, DARK GREY, REC: .37 M		
83.76	83.92		852	.16	100 COAL	REC: .16 M, SEMI-LUSTEROUS, VERY HARD		
83.92	84.16			.24	0 SLST	GREY, R2, REC: .24 M		
84.16	84.41			.25	0 BENT	REC: .25 M, GREY, MAINLY SILTY SOME SECTIONS APPEAR TO BE A CLEAN BENT, SAMPLED. 2 CM CALCITE BAND AT TOP		

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-345
 PROJECT TELKWA
 LOG DATE 83/08/28
 EXAMINED BY J. EISENMAN

TOP	BASE	SEAM	SAM NUM	THIK	% REC MAJ	MINOR	DETAIL	DEPTH	C.B.A.
84.41	87.62			3.21	0	SS1	R2, GREY, BROKEN, FEW SILTSTONE BANDS, CALCITE HEALED FRACTURES, REC: 2.9 M	84.50	42
								85.20	35
87.62	96.00			8.38	0	SLST CARBONACEOUS	DARK GREY, MASSIVE, R1, BROKEN	94.80	49
96.00	96.35		853	.35	100	COAL	LUSTEROUS WITH THIN VITRAIN BANDS THROUGHOUT, BROKEN, REC: .35 M, H.W. AND F.W. SEPARATION IS PHYSICALLY GOOD, VISUALLY FAIR	96.30	50
96.35	96.75			.40	0	MDST	DARK GREY, REC: .39 M		
96.75	97.15			.40	0	MDST VERY COALY	BLACK, MINOR VITRAIN BANDING, REC: .33 M		
97.15	98.65			1.50	0	MDST COALY	DARK GREY, THINLY BEDDED, R1, DARK GREY	98.30	72
98.65	99.05			.40	0	SS1	R3, BROKEN, TAN/GREY, REC: .40 M		
99.05	100.54			1.49	0	MDST	DARK GREY, POORLY DEV BEDDING, MINOR SILTSTONE BANDS		
100.54	101.60	2	854	1.06	74	COAL	BROKEN, REC: .58 M, BRT, THINLY BANDED WITH VITRAIN	100.90	57
101.60	101.67		854	.07	0	BENT	GREY, REC: .02 M		
101.67	102.64	2	854	.97	0	COAL SLICKENSIDED	REC: .95 M, BROKEN, BRIGHT,		

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-345

PROJECT TELKWA

LOG DATE 83/08/28

EXAMINED BY J. EISENMAN

TOP	BASE	SEAM	SAM NUM	THIK	% REC MAJ	MINOR	DETAIL	DEPTH	C.B.A.
							HARD		
102.64	105.40			2.76	0	SLST POLISHED	DARK GREY, MASSIVE		
105.40	105.80			.40	0	MDST VERY COALY	DARK GREY/BLACK THIN VITRAIN BANDS THROUGHOUT, REC: .37 M		
105.80	106.37			.57	0	BENT	SILTY, BROWN AND GREY, REC: .57 M, R1, SAMPLED		
106.37	106.75			.38	0	MDST	FRIABLE, BENTONITIC		
106.75	107.70			.95	0	SLST	SANDY, BROKEN		
107.70	108.50	0	855	.80	53	COAL	VERY HIGH ASH, MAINLY DULL TO SEMI-LUSTEROUS WITH THIN VITRAIN BANDING THROUGHOUT, REC: .42 M, NO H.W. CONTACT - L.C. F.W. CONTACT: VISUAL: FAIR PHYSICAL: PDDR	108.10	61
108.50	112.60			4.10	0	SLST	DARK GREY, STICK AND BROKEN STICK, R2, MINOR COAL TRACES, SOME SECTIONS CONTAIN FELDSPAR CRYSTALS (< 6 MM) MIXED WITHIN SEDIMENT, MASSIVE		
112.60	113.50			.90	0	MDST COALY	BLACK, MINOR VITRAIN BANDING, REC: .75 M		
113.50	117.50			4.00	0	MDST CARBONACEOUS	DARK GREY, BROKEN, SOME SECTIONS HAVE VERY HIGH CONTENT OF FELDSPAR		

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-345
 PROJECT TELKWA
 LOG DATE 83/08/28
 EXAMINED BY J. EISENMAN

TOP	BASE	SEAM	SAM NUM	THIK	% REC MAJ MINOR	DETAIL	DEPTH	C.B.A.
113.50	117.50			4.00	0 MDST CARBONACEOUS	CRYSTALS, GRADATIONAL CONTACT ON F.W.		
117.50	120.40			2.90	0 BENT	ALTERED VOLCANIC ASH WITH COALY ROOTLETS FELDSPAR CRYSTALS		
120.40	122.20			1.80	0 SS2	OCCASIONAL BEDDING, FELDSPAR CRYSTALS AND VOLCANIC ROCK FRAGMENTS, MINOR	120.60	68
						COAL TRACES, GRADATIONAL F.W. CONTACT	120.80	60
122.20	129.95			7.75	0 SLST	DARK GREY, FELDSPAR CRYSTALS, (.5 MM) COALY SECTIONS THROUGHOUT, BROKEN	125.30	65
							128.70	66
129.95	132.40			2.45	0 SS2	DARK GREY, SILTY, SMALL YELLOW/ORANGE FELDSPAR CRYSTALS, ALTERED VOLCANIC ASH, A FEW VOLCANIC CLASTS, SOME THIN BEDDING APPARENT, CONTACTS ARE GRADATIONAL	131.50	63
132.40	136.25			3.85	0 SLST TUFF	BRECCIA OF VOLCANIC FRAGMENTS, MAINLY RED		

CORE DESCRIPTION

03/07/84

HOLE ID TWB3D-346
 PROJECT TELKWA
 LOG DATE 83/09/04
 EXAMINED BY D. HANDY

TOP	BASE SEAM	SAM NUM	THIK	% REC MAJ MINOR	DETAIL	DEPTH	C.B.A.
.00	70.10		70.10	0 0B			
70.10	81.38		11.28	0 SS1 IRONSTONE	MEDIUM GREY, POORLY BEDDED SS1, BROKEN STICK, MINOR CARBONACEOUS WISPS, OCCASIONAL IRONSTONE, OCCASIONALLY OXIDATION STAINED (ORANGEISH YELLOW), HIGHLY WEATHERED IN SPOTS	76.00	80
81.38	82.28		.90	0 SS1	HIGHLY WEATHERED, CRUMBLY, OXIDIZED - RUSTY BROWN SANDSTONE, CLAY POSSIBLY CLINKER		
82.28	89.51		7.23	0 SS1 CARBONACEOUS/IRONSTONE	INTERBEDDED SS1 WITH BARB SS1 OCCASIONALLY, IRONSTONE MODULES, OXIDIZED ZONES - ORANGEISH BROWN, MAINLY IRONSTONE	83.51	90
89.51	101.85		12.34	0 SLST SS1	DARK GREY, CARBONACEOUS SILTSTONE INTERBEDDED WITH LIGHT GREY SS1. OCCASIONAL IRONSTONE NODULE, HIGHLY OXIDIZED ON FRACTURE SURFACES	93.57	82
101.85	113.39		11.54	0 SLST	DARK GREY TO GREENISH GREY SILTSTONE, MASSIVE BEDDED		
113.39	115.11		1.72	0 SS1	DARK GREEN, MASSIVE		
115.11	115.54		.43	0 SS1	A/A WEATHERED TO SEMI OR UNCONSOLIDATED MATT		

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-347
 PROJECT TELKWA
 LOG DATE 83/08/25
 EXAMINED BY J. EISENMAN

TOP	BASE SEAM	SAM NUM	THIK	% REC MAJ MINOR	DETAIL	DEPTH	C.B.A.
.00	21.34		21.34	0 0B			
21.34	25.30		3.96	0 SLST SLICKENSIDED, SS1	DARK GREY, R1, MINOR DEPOSITIONAL SLUMPING, SOME SECTIONS THINLY BEDDED WITH THIN SS1 LAYERS AND LENSES, REC: 2.8 M	23.00	56
25.30	30.48 6L	827	5.18	77 COAL	REC: 4.0 M, LUSTERIOUS WITH NUMEROUS VITRAIN BANDS, VERY HIGH VITRAIN CONTENT THROUGHOUT, CLEAN, CORE IS MAINLY BROKEN INTO SEGMENTS 10 - 20 CM	27.90	75
					LONG, H.W. CONTACT - SOME LOST CORE BUT APPEARS TO GOOD SEPARATION, AT ABOUT 29 M CORE IS BADLY BROKEN WITH SOME POLISHED PIECES, 20 CM DOWN FROM TOP OF COAL IS A 7 CM HIGH ASH/DULL BAND CONTAINING A 1 CM PYRITIC BAND	29.90	76
30.48	30.63		.15	0 MDST	DARK GREY, REC: .04 M	30.40	42
30.63	30.82 6L	828	.19	79 COAL	AS COAL ABOVE, UPPER CONTACT POLISHED. RECOVERED .15M		
30.82	31.01		.19	0 MDST	DARK GREY, R1, REC: .14 M	30.70	60
31.01	31.15 6L	829	.14	79 COAL	REC: .11 M, LUSTERIOUS, HEAVILY BANDED WITH VITRAIN	31.10	75
31.15	31.36		.21	0 MDST	DARK GREY, R1, REC: .11 M		

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-347
 PROJECT TELKWA
 LOG DATE 83/08/25
 EXAMINED BY J. EISENMAN

TOP	BASE SEAM	SAM NUM	THIK	% REC MAJ	MINOR	DETAIL	DEPTH	C.B.A.
31.36	32.52 6L	830	1.16	91	COAL	REC: 1.05 M, BROKEN, LUSTEROUS, THICKLY BANDED WITH VITRAIN, SEVERAL THIN PYRITE WISPS AT 30.0 M, NO H.W. CONTACT DUE TO BROKEN AND LOST CORE, F.W. CONTACT - VISUAL: GOOD PHYSICAL: GOOD		
32.52	34.16		1.64	0	MDST SLICKENSIDED, SS1	DARK GREY, R1, THIN SS1 LAYERS, 1.3	33.10	64
							34.00	62
34.16	34.87 3	831	.71	68	COAL	REC: .48 M, LUSTEROUS, HIGH VITRAIN CONTENT		
34.87	38.96		4.09	0	MDST SS1	DARK GREY, R1, VERY THINLY BEDDED WITH THIN SS1 BANDS, BROKEN STICK, REC: 3.8 M	36.50	47
							37.40	50
							38.70	49
38.96	39.10		.14	0	COAL	REC: .05 M, LUSTEROUS, CLEAN		
39.10	39.25		.15	0	MDST	REC: .15 M, AS MUDSTONE ABOVE		
39.25	39.36		.11	0	COAL	REC: .06 M, MUDSTONE THICKLY BANDED WITH VITRAIN		
39.36	40.62		1.26	0	MDST	DARK GREY, R1, SOME SECTIONS THINLY BEDDED WITH SS1 BANDS, REC: 1.20 M	40.20	58

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-347
 PROJECT TELKWA
 LOG DATE 83/08/25
 EXAMINED BY J. EISENMAN

TOP	BASE	SEAM	SAM NUM	THIK	% REC MAJ MINOR	DETAIL	DEPTH	C.B.A.
39.36	40.62			1.26	0 MDST		40.40	56
40.62	45.18	2	832	4.56	64 COAL SLICKENSIDED	REC: 2.9 M, BROKEN, HARD, LUSTEROUS WITH NUMEROUS THIN VITRAIN BANDS	40.90	51
						THROUGHOUT CLEAN	41.50	50
						NO H.W. CONTACT DUE TO L.C., F.W. CONTACT VISUAL AND PHYSICAL GOOD	44.60	50
45.18	52.06			6.88	0 MDST SS1	THINLY BEDDED WITH THIN SS1 LAYERS, MUDSTONE DARK GREY, SS1 IS LIGHT GREY, R1, 35 CM BAND AT 48.5 M IS	46.70	46
						LIGHT GREY CALCAREOUS AND HAS A HARDNESS R3, REC: 6.7 M, DEPOSITIONAL SLUMPING	47.20	44
52.06	52.54		833	.48	75 COAL SLICKENSIDED	BADLY BROKEN, LUSTEROUS, REC: .36 M, .5 CM PYRITE BAND AT 52.10 M		
52.54	90.60			38.06	0 SLST SLICKENSIDED	DARK GREY, R1 - R2, BROKEN, MASSIVE, MINOR DEPOSITIONAL SLUMPING, A FEW THIN SANDY SECTIONS, SEVERAL THIN CALCITE HEALED FRACTURES		
90.60	105.46			14.86	0 SLST	DARK GREY, BROKEN, R1 - R2, VERY SANDY, THROUGHOUT, FEW THIN IRONSTONE IRONSTONE BANDS, MASSIVE, CALCITE HEALED FRACTURES		

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-348
 PROJECT TELKWA
 LOG DATE 83/09/01
 EXAMINED BY D. DANDREA

TOP	BASE	SEAM	SAM NUM	THIK	% REC MAJ	MINOR	DETAIL	DEPTH	C.B.A.
.00	24.72			24.72	0	OB			
24.72	35.96			11.24	0	MDST CLINKER AT 32.9 - 33.07	MUDSTONE AND SILTSTONE WITH SOME MINOR IRONSTONE AND SS1 PARTINGS, RUBBLE AND POWDER		
35.96	43.60			7.64	0	SLST	DARK GREY, RELATIVELY MASSIVE BROKEN STICK WITH RUBBLE, SOME MINOR CALCITE REHEALING	40.00	71
43.60	87.48			43.88	0	SS1	FINE GRAINED SS1 MED - LIGHT GREY WITH DARK GREY CARBONACEOUS SILTSTONE INTERLAMINATIONS AND MINOR BROWN/GREY IRONSTONE PARTING, SOME MINOR SSO STICK LIGHTLY FRACTURED, BEDDING IS 70 DEGREES THROUGH THIS ENTIRE UNIT	50.80	70
87.48	120.48			33.00	0	MDST	DARK GREY, LIGHTLY FRACTURED STICK WITH MINOR BROWN/GREY IRONSTONE NODULES, LIGHT CALCITE REHEALING BEDDING IS AS ABOVE		
120.48	121.55	1		1.07	81	COAL	EXTREMELY DULL SEEMS TO BE HIGH ASH WITH 5 - 10% VITRAIN, BROKEN .91/1.07		
121.55	121.65			.10	0	MDST	DARK GREY CARBONACEOUS, MINOR PYRITIC SAND		
121.65	122.98	1	867	1.33	81	COAL	A/A BROKEN WITH RUBBLE .96/1.33		

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-348
 PROJECT TELKWA
 LOG DATE 83/09/01
 EXAMINED BY D. DANDREA

TOP	BASE SEAM	SAM NUM	THIK	% REC MAJ	MINOR	DETAIL	DEPTH	C.B.A.
122.98	123.26	867	.28	81	MDST	CARBONACEOUS WITH COAL WISPS		
123.26	123.63	1 867	.37	81	COAL	A/A HIGH ASH, BROKEN .28/.37		
123.63	123.81		.18	0	MDST	CARBONACEOUS WITH COAL WISPS, BROKEN		
123.81	124.15	1 867	.34	81	COAL	A/A STICK, .26/.34		
124.15	124.65		.50	0	MDST	CARBONACEOUS		
124.65	124.83	1	.18	100	COAL	DULL WITH MINOR BRT .18/.18		
124.83	125.28		.45	0	MDST	CARBONACEOUS WITH COAL WISPS, BROKEN		
125.28	126.07	1 868	.79	100	COAL	DULL WITH BRT AND MINOR CALCITE REHEALING, .79/.79		
126.07	126.48		.41	0	MDST	CARBONACEOUS		
126.48	127.04	1 869	.56	86	COAL	BENTONITIC FROM .23 - .235, DULL WITH BRT 5 - 10%		
127.04	128.13		1.09	0	MDST	DARK GREY, CARBONACEOUS		
128.13	129.45	1 870	1.32	81	COAL	DULL WITH BRT 5 - 10% BROKEN WITH RUBBLE, MINOR CALCITE AND		

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-349
 PROJECT TELKWA
 LOG DATE 83/08/26
 EXAMINED BY J. EISENMAN

TOP	BASE SEAM	SAM NUM	THIK	% REC MAJ	MINOR	DETAIL	DEPTH	C.B.A.
.00	19.50		19.50	0	0B			
19.50	28.20		8.70	0	SLST SS2	ALTERED TO CLINKER, SOME ALTERED SS2 BANDS, WEATHERED, BADLY BROKEN, ORIGINAL BEDDING CAN BE SEEN	20.00	66
							27.60	54
28.20	28.85	2	.65	31	COAL	BADLY BROKEN, REC: .20 M, SEMI-LUSTERIOUS WITH BRT BANDS		
28.85	32.00		3.15	0	SLST	DARK GREY, WEATHERED, RO, BROKEN LOWER 30 CM SLIGHT REDDISH ALTERATION	30.10	63
32.00	69.95		37.95	0	SLST SLICKENSIDED	GREY AND DARK GREY, R1 SOME SECTIONS R2, UPPER 2 M HAS IRON STAINING ALONG FRACTURES, UPPER 10 M IS THINLY BEDDED WITH THIN SS1 LAYERS, REMAINDER IS MASSIVE, SOME STICK CORE IN LOWER HALF, SLICKENSIDED AT 46.3 M, 47.5 M, 51.5 M, 63.1 M	32.80	65
							35.30	53
							36.00	48
							42.60	52
69.95	70.45		.50	0	SS2	DARK GREY, ARGILLACEOUS, R2, STICK MASSIVE, .5 CM COAL BAND ENCASED WITH PYRITE BLEBS		
70.45	70.75		.30	0	SS2	GREY, R2, MASSIVE		
70.75	72.24		1.49	0	SS1	DARK GREY, ARGILLACEOUS, BROKEN, MASSIVE		

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-350
 PROJECT TELKWA
 LOG DATE 83/08/27
 EXAMINED BY D. DANDREA

TOP	BASE SEAM	SAM NUM	THIK	% REC MAJ	MINOR	DETAIL	DEPTH	C.B.A.
.00	9.14		9.14	0	OB			
9.14	18.37		9.23	0	MDST	MEDIUM - DARK GREY, SOFT AND FRIABLE, BROKEN WITH RUBBLE AND POWDER	16.00	70
18.37	19.85		1.48	0	SS1	MED - LIGHT GREY, FINE - MEDIUM GRAINED, BROKEN WITH RUBBLE, MASSIVE		
19.85	23.16		3.31	0	SLST	MEDIUM GREY SILTSTONE, FRIABLE WITH MINOR COAL PARTINGS, AND IRONSTONE PARTINGS, BROKEN		
23.16	62.48		39.32	0	MDST	VERY CLEAN, MEDIUM GREY MUDSTONE, SOFT AND FRIABLE WITH IRONSTONE INTERBEDS	44.00	65
						STICK WITH RUBBLE AND POWDER, TD = 62.48 M	75.00	60

CORE DESCRIPTION

03/07/84

HOLE ID TWB3D-351
 PROJECT TELKWA
 LOG DATE 83/08/21
 EXAMINED BY J. EISENMAN

TOP	BASE	SEAM	SAM NUM	THIK	% REC MAJ MINOR	DETAIL	DEPTH	C.B.A.
.00	7.62			7.62	0 0B			
7.62	11.28			3.66	0 MDST	DARK GREY, RO, BROKEN, SOME SECTIONS APPEAR REWORKED, REC: 1.75 M	11.40	46
11.28	17.21			5.93	0 SS1 SLST	THINLY INTERBEDDED, R1, BROKEN, DEPOSITIONAL SLUMPING, REC: 5.5 M	14.40	49
17.21	17.81	3	835	.60	8 COAL	BADLY BROKEN, LUSTEROUS, REC: .05 M	17.40	51
17.81	18.46			.65	0 MDST	RO, DARK GREY, COAL TRACES, VERY FRIABLE, REC: .65 M, 1 CM PYRITE BLEB. LAMINATED	18.00	59
18.46	19.76	3	836	1.30	48 COAL	BROKEN, REC: .62 M, NO F.W. OR H.W. CONTACTS - L.C., LUSTEROUS WITH THIN VITRAIN BANDS THROUGHOUT	18.60	67
19.76	23.08			3.32	0 SS1 SLST	INTERBEDDED, 80% SS, MAINLY THINLY BEDDED, R1, SS IS GREY, SILTSTONE DARK GREY, 1 CM PYRITE BLEB AT 22.9 M, REC: 3.15 M, MINOR DEPOSITIONAL SLUMPING, SANDSTONE IS MICACEOUS	20.10	71
23.08	24.12	2	837	1.04	28 COAL	REC: .29 M, BADLY BROKEN, LUSTEROUS WITH MINOR VITRAIN BANDS, 3 CM DARK		

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-351

PROJECT TELKWA

LOG DATE 83/08/28

EXAMINED BY J. EISENMAN

TOP	BASE	SEAM	SAM NUM	THIK	% REC MAJ	MINOR	DETAIL	DEPTH	C.B.A.
23.08	24.12	2	837	1.04	28	COAL	GREY CLAY BAND LOCATED 15 CM FROM TOP OF RECOVERED COAL		
24.12	25.20			1.08	0	MDST	RO, DARK GREY, LOWER HALF APPEARS REWORKED, 3 CM COAL BAND 10 CM FROM BOTTOM, REC: .75 M		
25.20	26.48	2	838	1.28	30	COAL	BADLY BROKEN AND CRUSHED, LUSTEROUS, CLEAN, REC: .38 M		
26.48	26.98			.50	0	MDST CARBONACEOUS	DARK GREY, R1, BROKEN, REC: .48 M		
26.98	28.14	2	839	1.16	65	COAL	BROKEN, REC: .75 M, LUSTEROUS WITH THIN VITRAIN BANDS, CLEAN, NO F.W. OR H.W. CONTACTS DUE TO L.C.		
28.14	28.36			.22	0	MDST COALY	BLACK, THIN COAL LAYERS THROUGHOUT, REC: .11 M		
28.36	28.97	2	840	.61	18	COAL	REC: .11 M, BADLY BROKEN, SEMI-LUSTEROUS		
28.97	38.10			9.13	0	SLST SS1	THINLY INTERBEDDED, ALTERNATING GREY AND DARK GREY, R1, BROKEN, IRONSTONE BANDS - R3 - 8 CM AT 3.04 M, 16 CM AT 32 M, 6 CM AT 32.8 M, 9 CM AT 34.1 M, 6 CM AT 36.6 M, 5 CM AT 37.9 M, SOME SECTIONS OF BEDDING ARE CONVOLUTED, REC: 4.6 M	29.90	69
								32.80	69
								35.10	70
								37.50	B4
38.10	62.60			24.50	0	SLST SLICKENSIDED	DARK GREY, R1, SOME SECTIONS		

CORE DESCRIPTION

03/07/B4

HOLE ID TWB3D-352
 PROJECT TELKWA
 LOG DATE 83/09/03
 EXAMINED BY D. HANDY

TOP	BASE	SEAM	SAM NUM	THIK	% REC MAJ	MINOR	DETAIL	DEPTH	C.B.A.
.00	6.71			6.71	0	DB			
6.71	13.41			6.70	0	SLST IRONSTONE	DARK GREY, MASSIVE BEDDED, OCCASIONAL IRONSTONE NODULES, BROKEN STICK, RUBBLY IN PLACES, OCCASIONAL CALCITE HEALED FRACTURE		
13.41	13.51			.10	0	SLST FAULT	FAULT GOUGE MATERIAL		
13.51	25.31			11.80	0	SLST	A/A	14.90	80
								18.20	80
25.31	26.21			.90	0	SLST FAULT	SLICKENSIDED SILTSTONE FRAGMENTS		
26.21	29.36			3.15	0	SLST	A/A VERY SLICKENSIDED OVERALL		
29.36	33.53			4.17	0	SLST	A/A		
33.53	33.83			.30	0	CLAY	LIGHT GREY, WAXY - VOLCANIC ASH - GAMMA KICKS HIGH		
33.83	35.91			2.08	0	SLST	A/A, GOOD SECTIONS OF STICK AND BROKEN STICK	34.50	76
35.91	36.11			.20	0	CLAY	A/A, HIGH GAMMA KICK		
36.11	41.15			5.04	0	SLST	SILTSTONE, A/A		

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-352
 PROJECT TELKWA
 LOG DATE 83/09/03
 EXAMINED BY D. HANDY

TOP	BASE SEAM	SAM NUM	THIK	% REC	MAJ	MINOR	DETAIL	DEPTH	C.B.A.
41.15	41.45		.30	0	SLST	FAULT	SILTSTONE A/A		
41.45	44.00		2.55	0	SLST		A/A		
44.00	44.50		.50	0	LC	FAULT	SILTSTONE, A/A		
44.50	59.00		14.50	0	SLST		A/A MUCH SLICKENSIDED, POLISHED BROKEN STICK TO FRAGMENTS		
59.00	59.40 Q		.40	0	COAL		DENSITY LOGS SHOW COAL, BUT NONE IS VISIBLE IN CORE		
59.40	63.92		4.52	0	SLST	FAULT ZONE	A/A HIGHLY SLICKENSIDED		
63.92	67.87		3.95	0	SLST		A/A		
67.87	73.74		5.87	0	MDST	SLST	MEDIUM GREY, MASSIVE BEDDED, NUMEROUS CALCITE HEALED FRACTURES, OCCASIONAL CARBONACEOUS OR COALY STRINGER OR VEINLET, MINOR SILTY SECTIONS		
73.74	76.58		2.84	0	SS1	CARBONACEOUS	LIGHT GREEN SS1 THICK BEDDED UNIT, MINOR COALY VEINLETS, STICK		
76.58	85.93		9.35	0	SS1	SLST	PALE GREY SS1 INTERBEDDED WITH DARK GREY SILTSTONE - THIN BEDDED, SLIGHTLY WAVY BEDDING, NUMEROUS MICRO-STRUCTURES IE. - MICRO	79.33	68
								81.40	82

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-353

PROJECT TELKWA

LOG DATE 83/08/30

EXAMINED BY D. DANDREA

TOP	BASE	SEAM	SAM NUM	THIK	% REC	MAJ	MINOR	DETAIL	DEPTH	C.B.A.
.00	6.93			6.93	0	OB				
6.93	11.28			4.35	0	SLST		MEDIUM GREY, RUBBLE WITH POWDER, WITH MINOR IRONSTONE INTERBEDDED		
11.28	15.66			4.38	0	SS1		IRONSTONE PARTING WITH CALCITE REHEALING 14.14 - 14.32, FINE GRAINED GREEN DETRITAL VOLCANICS, BROKEN STICK WITH RUBBLE, MASSIVE		
15.66	16.44			.78	0	SLST		DARK GREY, SHALEY AND FRIABLE	16.20	70
16.44	17.29	10	856	.85	47	COAL	DISEMINATED PYRITE THROUG	DURAIN WITH MINOR VITRAIN RUBBLE AND POWDER .4/.85		
17.29	26.90			9.61	0	SS1	SILTSTONE AND IRONSTONE I	GREY GREEN, FINE GRAINED WITH IRONSTONE AND DARK GREY SILTSTONE INTER- LAMINATIONS, THINLY BEDDED WITH MINOR SSD (SOFT-SEDIMENTARY DEFORMATION)	17.50	67
26.90	33.46			6.56	0	MDST		DARK GREY AND WHITE INTERLAMINATIONS WITH MINOR		
33.46	34.70			1.24	0	MDST		DARK GREY CARBONACEOUS, WITH CARBONACEOUS DEBRIS. VERY FRIABLE		
34.70	35.69	8		.99	0	COAL	MINOR DESEMINATED PYRITE	DURAIN, WITH VITRAIN, STICK, 2.1/2.64		
35.69	35.71			.02	0	PYRT		SANDY PYRITE		
35.71	36.86	8	857	1.15	79	COAL		MINOR PYRITE DISSEMINATED		

CORE DESCRIPTION

03/07/84

HOLE ID TW830-353
 PROJECT TELKWA
 LOG DATE 83/08/30
 EXAMINED BY D. DANDREA

TOP	BASE SEAM	SAM NUM	THIK	% REC MAJ MINOR	DETAIL	DEPTH	C.B.A.
					THROUGHOUT, DURAIN WITH VITRAIN STICK, 2.1/2.64		
36.86	36.89		.03	0 MDST	DARK GREY, 2.1/2.64		
36.89	37.34 8		.45	0 COAL	DURAIN WITH VITRAIN STICK WITH RUBBLE, 2.1/2.64	37.00	64
37.34	42.05		4.71	0 MDST MINOR IRONSTONE INTERLAMI	DARK GREY MUDSTONE AND LIGHT GREY SILTSTONE INTERLAMINATIONS MINOR SSD	38.70	65
42.05	53.92		11.87	0 SS1	RUBBLE AND GOUGE AT 17.35 - 17.65, GREY GREEN MEDIUM GRAINED WITH BROWN/ GREY IRONSTONE AND DARK GREY MUDSTONE INTERLAMINATIONS		
53.92	54.08		.16	0 COAL	DURAIN WITH VITRAIN BANDS, DIRTY	54.60	70
54.08	59.10		5.02	0 MDST	CARBONACEOUS, DARK GREY WITH VERY MINOR IRONSTONE INTERBEDS, SHALEY DURAIN WITH 5 - 10% VITRAIN STICK. 1.2/1.15		
59.10	59.96 7		.86	0 COAL	DURAIN WITH 5 - 10% VITRAIN, STICK		
59.96	60.00	858	.04	100 MDST	DARK GREY, 1.2/1.15		
60.00	60.25 7		.25	0 COAL	A/A, 1.2/1.15		
60.25	63.70		3.45	0 MDST	CARBONACEOUS, DARK GREY, FRIABLE AND SHALEY	63.20	70

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-353
 PROJECT TELKWA
 LOG DATE 83/08/30
 EXAMINED BY D. DANDREA

TOP	BASE	SEAM	SAM NUM	THIK	% REC MAJ	MINOR	DETAIL	DEPTH	C.B.A.
63.70	64.25			.55	0	SS1	GREY/GREEN FINE GRAINED WITH SOME CARBONACEOUS INTERLAMINATIONS		
64.25	64.43	7	859	.18	88	COAL	DURAIN WITH VITRAIN < 5%, MINOR CALCITE REHEALING, BROKEN STICK, DARK GREY	64.00	67
64.43	64.46			.03	0	MDST	DARK GREY		
64.46	64.62	7		.16	0	COAL	A/A RUBBLE, .31/.35		
64.62	65.26			.64	0	MDST	DARK GREY, FRIABLE		
65.26	65.52	7		.26	72	COAL	DURAIN WITH VITRAIN BAND < 5% AND MINOR FLAKED PYRITE ON CLEAT, RUBBLE .18/.25		
65.52	66.39			.87	0	MDST	CARBONACEOUS, DARK GREY, FRIABLE		
66.39	66.98	7	860	.59	88	COAL	DURAIN WITH VITRAIN BANDS (5 - 10%) THROUGH VERY MINOR PYRITE FLAKES ON BEDDING LIGHTLY SLICKENSIDED, .52/.59		
66.98	71.49			4.51	0	MDST	MEDIUM GREY, VERY FRIABLE, CONTAINS CARBONACEOUS DEBRIS (PLANT FRAGMENTS)	71.93	65
71.49	72.56	7	861	1.07	100	COAL	DURAIN WITH VITRAIN BANDS < 5%, STICK, 1.07/1.07		

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-353
 PROJECT TELKWA
 LOG DATE 83/08/30
 EXAMINED BY D. DANDREA

TOP	BASE SEAM	SAM NUM	THIK	% REC MAJ	MINOR	DETAIL	DEPTH	C.B.A.
72.56	75.69		3.13	0	MDST	DARK GREY CARBONACEOUS MUDSTONE AND WHITE SILTSTONE THINLY LAMINATED WITH MINOR IRONSTONE PARTINGS, LIGHTLY SLICKENSIDED		
75.69	75.87		.18	100	COAL	MOSTLY DURAIN WITH VERY MINOR VITRAIN RUBBLE		
75.87	79.09		3.22	0	MDST	A/A	78.00	68
79.09	81.91	6	2.82	89	COAL	DURAIN WITH VITRAIN BAND < 5%, STICK AND BROKEN STICK, MINOR CALCITE REHEALING EVIDENT		
81.91	82.24		.33	0	MDST	VERY CARBONACEOUS RUBBLE		
82.24	82.88		.64	0	MDST	MEDIUM GREY, VERY FRIABLE, LESS CARBONACEOUS THAN THE ABOVE MENTIONED		
82.88	84.65	6	1.77	95	COAL	DURAIN WITH VITRAIN BANDS < 5%. STICK WITH RUBBLE, MINOR PYRITE AND CALCITE 1.68/1.77		
84.65	101.32		16.67	0	SS1	GREEN GREY FINE GRAINED SST WITH BROWN/GREY IRONSTONE, AND DARK GREY MUDSTONE INTERBEDDED. MUDSTONE IS VERY FRIABLE	96.60	72
101.32	102.32	3	1.00	73	COAL	DULL WITH BRT RUBBLE AND GOUGE. 73/1.0		

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-354
 PROJECT TELKWA
 LOG DATE 83/12/00
 EXAMINED BY J. EISENMAN

TOP	BASE SEAM	SAM NUM	THIK	% REC MAJ MINOR	DETAIL	DEPTH	C.B.A.
.00	15.00		15.00	0 0B			
15.00	107.52		92.42	0 ROCK			
107.52	108.90		1.38	0 SH CARBONACEOUS			
108.90	109.52		.62	0 ROCK			
109.52	109.81		.29	0 SH CARBONACEOUS			
109.81	110.00		.19	0 ROCK			
110.00	110.20		.20	0 SH CARBONACEOUS			
110.20	111.63		1.43	0 ROCK			
111.63	111.91		.28	0 SH CARBONACEOUS			
111.91	112.20		.29	0 ROCK			
112.20	112.35		.15	0 SH CARBONACEOUS			
112.35	112.94		.59	0 ROCK			

CORE DESCRIPTION

03/07/84

HOLE ID TWB3D-356
 PROJECT TELKWA
 LOG DATE 83/12/00
 EXAMINED BY J. EISENMAN

TOP	BASE SEAM	SAM NUM	THIK	% REC MAJ	MINOR	DETAIL	DEPTH	C.B.A.
.00	10.00		10.00	0	OB			
10.00	102.48		92.48	0	ROCK			
102.48	103.63	01 921	1.15	53	COAL POLISHED	BROKEN, MAINLY DULL WITH THIN BRIGHT COAL BANDS, HIGH ASH, POOR VISUAL AND PHYSICAL SEPARATION WITH HANGWALL AND FOOTWALL. RECOVERED 0.61M		
103.63	104.40		.77	0	SLST	DARK GREY-BLACK, CARBONACEOUS, BROKEN. 2CM PYRITE BLEB AT 104.30M		
104.40	104.82		.42	0	SLST POLISHED	COALY, DULL, BROKEN		
104.82	105.84		1.02	0	SLST	DARK GREY, CARBONACEOUS, MINOR COAL BLEBS		
105.84	106.30	01 922	.46	93	COAL	RECOVERED 0.40. BROKEN, BRIGHT, APPEARS CLEAN		
106.30	106.43		.13	0	SLST	COALY, BLACK		
106.43	108.28	01	1.85	0	COAL POLISHED	BLACK, MAINLY DULL WITH THIN VITRAIN LAYERS, SEVERAL THIN DIRT BANDS, BROKE N, RECOVERED 1.75		
108.28	108.43		.15	0	MDST	DARK GREY, RECOVERED 0.12, VISUAL SEPARATION WITH COAL ABOVE IS GOOD		
108.43	108.52		.09	0	COAL	MAINLY BRIGHT WITH THIN		

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-357
 PROJECT TELKWA
 LOG DATE 83/12/00
 EXAMINED BY D. DANDREA

TOP	BASE	SEAM	SAM NUM	THIK	% REC MAJ MINOR	DETAIL	DEPTH	C.B.A.
.00	14.90			14.90	0 0B			
14.90	69.04			54.14	0 ROCK			
69.04	70.28	01	916	1.24	41 COAL	DIRTY, MOSTLY GOUGE WITH .1M SPLIT NEAR BOTTOM		
70.28	81.76			11.48	0 ROCK			
81.76	82.82	01	917	1.06	47 COAL	RUBBLE AND POWDER DULL WITH BRIGHT		
82.82	83.92			1.10	0 SH	DARK GREY WITH MINOR CALCITE PARTINGS, BROKEN AND RUBBLE		
83.92	84.44	01	918	.52	72 COAL	RUBBLE, DULL WITH BRIGHT		
84.44	85.58			1.14	0 SH	MEDIUM GREY, BROKEN WITH BROKEN STICK	89.70	74
85.58	86.92	01	919	1.34	35 COAL	DULL WITH BRIGHT, BROKEN AND RUBBLE, WITH MINOR SHALE SPLITS		
86.92	87.08			.16	0 SH			
87.08	88.84	1	919	1.76	35 COAL			
88.84	88.96			.12	0 SH			

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-357
 PROJECT TELKWA
 LOG DATE 83/12/00
 EXAMINED BY D. DANDREA

TOP	BASE	SEAM	SAM NUM	THIK	% REC MAJ MINOR	DETAIL	DEPTH	C.B.A.
88.96	89.64	1	919	.68	35 COAL			
89.64	91.57			1.93	0 SLST	MEDIUM GREY WITH MINOR CALCITE PARTINGS, BROKEN STICK		
91.57	92.10	01	920	.53	34 COAL	DULL WITH BRIGHT, RUBBLE AND POWDER		
92.10	112.70			20.60	0 ROCK	TOTAL DEPTH 112.70		

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-359

PROJECT TELKWA

LOG DATE 83/12/00

EXAMINED BY D. DANDREA

TOP	BASE	SEAM	SAM NUM	THIK	% REC MAJ MINOR	DETAIL	DEPTH	C.B.A.
.00	15.40			15.40	0 DB			
15.40	16.78			1.38	0 MDST	MEDIUM GREY, EXTREMELY WEATHERED		
16.78	18.96		923	2.18	0 COAL	RUBBLE WITH POWDER, DULL WITH VITRAIN BANDS, MINOR BENTONITE PARTING, SHALE PARTINGS SHOWN ON GED LOG NOT RECOVERED IN CORE		
18.96	19.81			.85	0 ROCK			
19.81	23.25		923	4.44	0 COAL			
23.25	23.40			.15	0 MDST			
23.40	24.95		923	1.55	0 COAL			
24.95	27.22			2.27	0 MDST	MEDIUM GREY, BROKEN WITH RUBBLE, MINOR CALCITE AND PYRITE PARTINGS	27.00	70
27.22	29.79		924	2.54	0 COAL			
29.79	30.00			.21	0 MDST	CARBONACEOUS, FRIABLE		
30.00	31.77		925	1.77	0 COAL	AS ABOVE COAL WITH A SHALE SPLIT .1M THICK AT 1M		

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-360
 PROJECT TELKWA
 LOG DATE 83/12/00
 EXAMINED BY J. EISENMAN

TOP	BASE SEAM	SAM NUM	THIK	% REC MAJ MINOR	DETAIL	DEPTH	C.B.A.
.00	8.76		8.76	0 ROCK			
8.76	8.91		.15	0 CLAY	GREY, SDFT		
8.91	9.00		.09	0 IRST	GREENISH GREY, R3. RECOVERED .09		
9.00	13.50		4.50	0 SS1	MEDIUM GREY, MINOR COAL TRACES, POORLY DEVELOPED BEDDING, R2-R3, SOME THIN BEDDING (CROSS-BEDDING AND CONVOLUTED) IN LOWER 40CM. RECOVERED 4.4		
13.50	14.13 Q	926	.63	56 COAL	RECOVERED 0.34. BADLY BROKEN, THIN GREEN SS1 BLEBS IN UPPER 20CM, HARD, SEMI LUSTEROUS		
14.13	14.26	926	.13	0 MDST	BLACK, COALY, RECOVERED 0.09, HARD		
14.26	14.42 Q	926	.16	56 COAL	DULL, HIGH ASH, RECOVERED 0.09		
14.42	14.66		.24	0 MDST	COALY, RECOVERED 0.10		
14.66	14.80		.14	0 MDST	NOT RECOVERED		
14.80	15.55		.75	0 SLST	GREY, R1. RECOVERED .72		
15.55	19.96		4.41	0 SS1	GREEN, LOWER 40CM HAS SOME		

CORE DESCRIPTION

03/07/84

HOLE ID TWB3D-360
 PROJECT TELKWA
 LOG DATE 83/12/00
 EXAMINED BY J. EISENMAN

TOP	BASE SEAM	SAM NUM	THIK	% REC	MAJ	MINOR	DETAIL	DEPTH	C.B.A.
							THIN CONVOLUTED BEDDING, BROKEN STICK, NO EVIDEN CE OF POLISHING OR SLICKENSIDING		
19.96	21.06	0	927	1.10	40	COAL	BADLY BROKEN, RECOVERED .44, GREEN S51 BLEBS, PYRITE BLEBS, LOWER 20CM VERY DIRTY		
21.06	50.74			29.68	0	ROCK			
50.74	52.70	08	928	1.96	39	COAL	BADLY BROKEN, RECOVERED 0.77. GOOD VISUAL & PHYSICAL SEPARATION WITH HANGWA LL, MAINLY BRIGHT CLEAN WITH THIN VITRAIN BANDING, SEVERAL THIN PYRITIC BLEBS		
52.70	53.06			.36	0	SLST	NOT RECOVERED		
53.06	53.20			.14	0	SLST HIGHLY POLISHED	RECOVERED 0.11, COALY		
53.20	76.29			23.09	0	ROCK			
76.29	77.45	07	929	1.16	79	COAL	BROKEN, BRIGHT BANDED, RECOVERED 0.84		
77.45	77.49			.04	0	PYRT	BADLY BROKEN, RECOVERED 0.02		
77.49	77.66	07	929	.17	79	COAL	BADLY BROKEN, BRIGHT BANDED,		

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-360
 PROJECT TELKWA
 LOG DATE 83/12/00
 EXAMINED BY J. EISENMAN

TOP	BASE SEAM	SAM NUM	THIK	% REC MAJ	MINOR	DETAIL	DEPTH	C.B.A.
						RECOVERED 0.14		
77.66	77.73		.07	0	SLST	POLISHED, RECOVERED 0.07		
77.73	77.89	07	.16	79	COAL	BRIGHT, CLEAN, RECOVERED 0.16, POOR FOOTWALL CONTACT		
77.89	90.07		12.18	0	ROCK			
90.07	90.62	930	.55	13	COAL	RECOVERED 0.07, BROKEN, DULL BANDED		
90.62	93.77		3.15	0	SLST SS1, SLICKENSIDED	THINLY BEDDED, BROKEN, MAINLY DARK GREY & THINLY BEDDED WITH LIGHT GREY SS1		
93.77	93.92	931	.15	53	COAL	BROKEN, RECOVERED 0.08, HIGH ASH		
93.92	94.29		.37	0	SLST SLICKENSIDED	DARK GREY-BLACK, BROKEN		
94.29	95.33	932	1.04	43	COAL	BROKEN, RECOVERED 0.45, MAINLY BRIGHT, CLEAN		
95.33	95.67		.34	0	MDST	DARK GREY, CRUSHED AND BADLY BROKEN		
95.67	95.82	933	.15	53	COAL	RECOVERED 0.08, MAINLY DULL		
95.82	125.10		28.28	0	ROCK			
125.10	125.57	934	.47	53	COAL	BROKEN, CLEAN, RECOVERED 0.25		

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-360

PROJECT TELKWA

LOG DATE 83/12/00

EXAMINED BY J. EISENMAN

TOP	BASE	SEAM	SAM NUM	THIK	% REC MAJ MINOR	DETAIL	DEPTH	C.B.A.
125.57	125.83			.26	0 MDST SLICKENSIDED	CRUSHED, DARK GREY, RECOVERED 0.18		
125.83	126.76		935	.93	91 COAL	BROKEN, RECOVERED 0.85, MAINLY BRIGHT, CLEAN, DIRTIER TOWARDS TOP		
126.76	126.98			.22	0 MDST	DARK GREY, RECOVERED 0.15, R2		
126.98	127.55		936	.57	79 COAL	BADLY BROKEN, BRIGHT BANDED, RECOVERED 0.45	126.50	80
127.55	136.05			8.50	0 ROCK			
136.05	136.40		937	.35	60 COAL	RECOVERED 0.21, BRIGHT CLEAN		
136.40	137.97			1.57	0 SLST SLICKENSIDED	DARK GREY, BROKEN		
137.97	139.35		938	1.38	87 COAL	RECOVERED 1.20, BROKEN, BRIGHT BANDED, DIRTY BAND AT 138.20M, PYRITE BLEBS THROUGHOUT	138.00	40
							139.10	30
139.35	165.50			26.15	0 ROCK	TOTAL DEPTH 165.50		

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-361
 PROJECT TELKWA
 LOG DATE 83/12/00
 EXAMINED BY D. DANDREA

TOP	BASE SEAM	SAM NUM	THIK	% REC MAJ	MINOR	DETAIL	DEPTH	C.B.A.
.00	8.00		8.00	0	DB			
8.00	56.43		48.43	0	ROCK			
56.43	57.43 01	939	1.00	90	COAL	DULL WITH VITRAIN BANDS, CARBONACEOUS SHALE, FOOTWALL, SS2 HANGING WALL	56.00	73
57.43	61.15		3.72	0	ROCK			
61.15	61.45		.30	0	COAL			
61.45	66.02		4.57	0	ROCK			
66.02	66.73 01		.53	0	COAL	POWDER, GOUGE	66.00	74
66.73	67.10		.90	0	MDST			
67.10	67.58 01	940	.48	98	COAL	DULL WITH VITRAIN BANDS, BROKEN WITH RUBBLE, MUDSTONE BAND AT 67.58-67.71M		
67.58	67.71		.13	0	MDST			
67.71	68.02 1	940	.31	98	COAL			
68.02	69.05		1.03	0	MDST	DARK GREY WITH PLANT REMAINS, BROKEN WITH RUBBLE		

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-361

PROJECT TELKWA

LOG DATE 83/12/00

EXAMINED BY D. DANDREA

TOP	BASE SEAM	SAM NUM	THIK	% REC MAJ MINOR	DETAIL	DEPTH	C.B.A.
69.05	69.35 01	941	.30	90 COAL	DULL WITH BRIGHT BANDS, BROKEN STICK		
69.35	71.17		1.82	0 SLST	MEDIUM GREY MASSIVE, BROKEN, STICK WITH RUBBLE, WITH AN IRONSTONE PARTING (.1M) AT THE BOTTOM OF THE UNIT		
71.17	72.20 01	942/9	1.03	73 COAL	DULL WITH VITRAIN BANDS, BROKEN WITH RUBBLE AND POWDER, MUDSTONE PARTINGS AT 72.2-72.4, 73.62-73.68; 72.2-72.4 SPLIT LEFT OUT, 71.17-72.2, 72.4-75.17	75.40	72
72.20	72.40		.20	0 MDST			
72.40	73.62 1	944	1.22	73 COAL			
73.62	73.68		.06	0 MDST			
73.68	75.17 1	944	1.49	73 COAL			
75.17	90.55		15.38	0 ROCK			
90.55	90.75		.20	25 COAL	DULL, RUBBLE		
90.75	90.85		.10	0 MDST	DARK GREY, SHALEY		

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-362
 PROJECT TELKWA
 LOG DATE 83/12/00
 EXAMINED BY J. EISENMAN

TOP	BASE	SEAM	SAM NUM	THIK	% REC MAJ	MINDR	DETAIL	DEPTH	C.B.A.
.00	11.00			11.00	0	OB			
11.00	106.94			95.94	0	ROCK			
106.94	108.42	10	957	1.48	12	COAL	BADLY BROKEN, RECOVERED 0.18, 2CM SILTSTONE BAND, COAL IS BRIGHT		
108.42	120.96			12.54	0	ROCK			
120.96	121.65			.69	0	COAL	RECOVERED 0.08, SMALL PIECES, BRIGHT BANDED		
121.65	122.05			.40	0	SLST	RECOVERED 0.19, DARK GREY, CARBONACEOUS		
122.05	122.84	09		.79	0	COAL	RECOVERED 0.04, HIGH ASH		
122.84	123.00			.16	0	SLST	RECOVERED 0.12, DARK GREY		
123.00	123.88	09		.88	0	COAL	RECOVERED 0.03		
123.88	126.06			2.18	0	SLST	THINLY BEDDED WITH GREY SS1 LAYERS, DARK GREY, UPPER 0.08CM VERY COALY, 14CM IRONSTONE BAND, RECOVERED 2.03		
126.06	128.71	08	958	2.65	28	COAL	BROKEN, RECOVERED 0.75, MAINLY BRIGHT BANDED		

CORE DESCRIPTION

03/07/84

HOLE ID TW830-362

PROJECT TELKWA

LOG DATE 83/12/00

EXAMINED BY J. EISENMAN

TOP	BASE	SEAM	SAM NUM	THIK	% REC MAJ MINOR	DETAIL	DEPTH	C.B.A.
128.71	149.29			20.58	0 ROCK			
149.29	150.49	07	959	1.20	34 COAL	RECOVERED 0.41, BRIGHT, CLEAN		
150.49	158.28			7.79	0 ROCK			
158.28	158.66	06	960	.38	39 COAL	BADLY BROKEN, RECOVERED 0.15, BRIGHT CLEAN, CONTACT WITH HANGWALL IS VISUAL LY AND PHYSICALLY DISTINCT		
158.66	158.88			.22	0 MDST	BLACK, COALY, RECOVERED 0.07		
158.88	159.28	06	961	.40	25 COAL	RECOVERED 0.10, BRIGHT, BANDED		
159.28	159.38			.10	0 MDST	BLACK, COALY, RECOVERED 0.03		
159.38	160.67	06	962	1.29	100 COAL	RECOVERED 1.29, BRIGHT BANDED, CLEAN, MINOR CALCITE ALONG CLEAVAGE		
160.67	187.70			27.03	0 ROCK	TOTAL DEPTH 187.70		

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-363
 PROJECT TELKWA
 LOG DATE 83/12/00
 EXAMINED BY D. DANDREA

TOP	BASE	SEAM	SAM NUM	THIK	% REC MAJ	MINOR	DETAIL	DEPTH	C.B.A.
.00	15.00			15.00	0	08			
15.00	16.20			1.20	0	ROCK			
16.20	16.97	10	945	.77	65	COAL	RUBBLE AND POWDER, DULL WITH VERY MINOR VITRAIN	16.00	65
16.97	24.80			7.83	0	ROCK			
24.80	25.32	Q	946	.52	58	COAL	POWDER WITH RUBBLE, DULL WITH VERY MINOR VITRAIN		
25.32	32.25			6.93	0	ROCK			
32.25	32.51	09		.26	0	COAL			
32.51	32.95			.44	0	ROCK			
32.95	34.25	08		1.30	0	COAL			
34.25	49.24			14.99	0	ROCK			
49.24	50.40	07		1.16	0	COAL			
50.40	58.50			6.10	0	ROCK			

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-363
 PROJECT TELKWA
 LOG DATE 83/12/00
 EXAMINED BY D. DANDREA

TOP	BASE	SEAM	SAM NUM	THIK	% REC	MAJ	MINOR	DETAIL	DEPTH	C.B.A.
56.50	59.00	Q	947	2.50	16	COAL		MOSTLY DULL, POWDER WITH RUBBLE	56.00	80
59.00	59.12			.12	0	MDST		MEDIUM GREY, SOFT		
59.12	59.24	Q	947	.12	100	COAL		VERY DULL, POWDER		
59.24	67.47			8.13	0	ROCK				
67.47	69.58		948	2.11	100	COAL		POWDER WITH SOME RUBBLE, DULL WITH VITRAIN	68.60	30
69.58	80.84			11.26	0	ROCK				
80.84	82.68		949	1.84	18	COAL		POWDER		
82.68	90.40			7.72	0	ROCK				
90.40	91.07		950	.67	53	COAL		DULL WITH BRIGHT, MINOR DISSEMINATED PYRITE ON TOP, RUBBLE	90.00	75
91.07	91.20			.13	0	ROCK		BENTONITE?		
91.20	96.20		950	4.68	31	COAL		DULL WITH BRIGHT VITRAIN BANDS, RUBBLE	96.50	0
96.20	99.85			3.65	0	ROCK				

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-363
 PROJECT TELKWA
 LOG DATE 83/12/00
 EXAMINED BY D. DANDREA

TOP	BASE	SEAM	SAM NUM	THIK	% REC MAJ MINOR	DETAIL	DEPTH	C.B.A.
99.85	101.66	04	951	1.81	61 COAL	DULL WITH VITRAIN, RUBBLE WITH POWDER	99.60	* 20
101.66	118.90			17.24	0 ROCK			
118.90	120.92	02	952	2.02	27 COAL MUDSTONE	GOUGE, COAL AND MUDSTONE POWDER, IMPOSSIBLE TO DIFFERENTIATE		
120.92	121.78			.86	0 MDST	MEDIUM GREY, BROKEN		
121.78	122.37	02	953	.59	39 COAL MUDSTONE	COAL AND SHALE, GOUGE AS ABOVE		
122.37	123.00			.63	0 ROCK			
123.00	123.77	2	953	.77	39 COAL			
123.77	150.70			26.93	0 ROCK	TOTAL DEPTH 150.70		

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-364
 PROJECT TELKWA
 LOG DATE 83/12/00
 EXAMINED BY D. HANDY

TOP	BASE SEAM	SAM NUM	THIK	% REC MAJ	MINOR	DETAIL	DEPTH	C.B.A.
.00	9.00		9.00	0	DB			
9.00	14.52		5.52	0	ROCK			
14.52	15.24		.72	0	COAL			
15.24	16.03		.79	0	ROCK			
16.03	16.60		.57	0	COAL			
16.60	16.73		.13	0	ROCK			
16.73	17.00		.27	0	COAL			
17.00	20.38		3.38	0	ROCK	TOTAL DEPTH 106.00		
20.38	21.24		.86	0	COAL			
21.24	106.00		84.76	0	ROCK			

Printed on the Xerox 9700 EPS

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-366
 PROJECT TELKWA
 LOG DATE 83/12/00
 EXAMINED BY D. DANDREA

TOP	BASE SEAM	SAM NUM	THIK	% REC MAJ MINOR	DETAIL	DEPTH	C.B.A.
.00	9.10		9.10	0 0B			
9.10	112.10		103.00	0 ROCK			
112.10	113.07	954	.97	62 COAL	DULL WITH BRIGHT, PYRITE BANDS AT 112.25, RUBBLE	112.00	70
113.07	117.28		4.21	0 ROCK			
117.28	118.30	955	1.02	50 COAL	DULL WITH VITRAIN, VERY SHALEY, HIGH ASH		
118.30	128.08		9.78	0 ROCK			
128.08	129.08	956	1.00	60 COAL	VERY HIGH ASH, DULL WITH BRIGHT, BROKEN WITH RUBBLE		
129.08	151.40		22.32	0 ROCK	TOTAL DEPTH 151.40		

Printed on the Xerox 9700 E.P.S

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-368
 PROJECT TELKWA
 LOG DATE 83/12/00
 EXAMINED BY D. DANDREA

TOP	BASE	SEAM	SAM NUM	THIK	% REC MAJ MINOR	DETAIL	DEPTH	C.B.A.
.00	9.00			9.00	0 0B			
9.00	74.03			65.03	0 ROCK			
74.03	75.13		968	1.10	100 COAL	DULL WITH VITRAIN BANDS, BROKEN STICK WITH RUBBLE	73.80	80
75.13	81.17			6.04	0 ROCK			
81.17	81.51		969	.34	78 COAL	DULL WITH VITRAIN BAND, BROKEN STICK		
81.51	91.19			9.68	0 ROCK			
91.19	91.70	01	970	.51	75 COAL	DULL, POWDER AND RUBBLE		
91.70	94.30			2.60	0 ROCK			
94.30	94.52	01	971	.22	60 COAL	DULL WITH VITRAIN, RUBBLE AND POWDER, MINOR SHALE SPLITS, NOT RECOVERED IN COAL		
94.52	94.71			.19	0 SH			
94.71	95.44	1	971	.73	60 COAL			

CORE DESCRIPTION

03/07/84

HOLE ID TWB3D-369
 PROJECT TELKWA
 LOG DATE 83/12/00
 EXAMINED BY D. DANDREA

TOP	BASE	SEAM	SAM NUM	THIK	% REC MAJ MINOR	DETAIL	DEPTH	C.B.A.
.00	7.00			7.00	0 DB			
7.00	38.42			31.42	0 ROCK			
38.42	39.54	01	963	1.12	67 COAL	DULL WITH VITRAIN BAND, RUBBLE	37.00	72
39.54	39.70			.16	0 ROCK			
39.70	39.80	1	963	.10	67 COAL			
39.80	39.96			.16	0 ROCK			
39.96	40.00	1	963	.04	67 COAL			
40.00	41.04			1.04	0 ROCK			
41.04	41.28	1	963	.24	67 COAL			
41.28	42.99			1.71	0 ROCK			
42.99	44.23	1	963	1.24	67 COAL			
44.23	44.85			.62	0 ROCK			

CORE DESCRIPTION

03/07/84

HOLE ID TW83D-389
 PROJECT TELKWA
 LOG DATE 83/12/00
 EXAMINED BY D. DANDREA

TOP	BASE	SEAM	SAM NUM	THIK	% REC MAJ	MINOR	DETAIL	DEPTH	C.B.A.
44.85	45.26	01	694	.41	80	COAL	DULL, VERY HIGH ASH, RUBBLE AND POWDER WITH BROKEN		
45.26	46.38			1.12	0	ROCK			
46.38	49.05	01	965	2.67	73	COAL	DULL WITH VITRAIN BANDS, RUBBLE AND POWDER WITH BROKEN MINOR MUDSTONE BANDS AT 47.28 AND 48.44	49.10	70
49.05	51.10			2.05	0	ROCK			
51.10	51.60	01	966	.50	88	COAL	DULL WITH VITRAIN BANDS AND CALCITE PARTINGS, BROKEN STICK WITH RUBBLE		
51.60	60.84			9.24	0	ROCK			
60.84	61.35		967	.51	100	COAL	DULL WITH VITRAIN BANDS, RUBBLE AND BROKEN WITH A MUDSTONE PARTING 61.21- 61.35		
61.35	108.80			47.45	0	ROCK	TOTAL DEPTH 108.80		