

Sample Name	Sampling information and visual appearance of general samples in hand specimen	Nature of sample G=general piece SB=separated band BL = blend	PROXIMATE ANALYSES				Net CV (MJ/Kg) daf basis	ULTIMATE ANALYSES				
			Inherent Moisture (%) ad basis	Ash (%) ad basis	VM (%) daf basis	Fixed Carbon (%)		C (%) daf basis	H (%) daf basis	N (%) daf basis	O (%) daf basis	Total S (%) daf basis
68	Mine 2, see chapter 3. Cm spaced vitrain bands, majority is dull	G	4.56	3.78	36.48	55.18	29.28	80.37	5.12	2.50	10.52	0.50
73	Mine 2, see chapter 3. Bright banded coal (mm scale bands)	G	4.53	2.41	36.93	56.14	29.89	81.31	5.05	2.68	9.69	0.51
78	Mine 2, Same seam location as used to sample <i>in situ</i> coal pillar 78(a) (Fig. 3.4; Fig. 4.1 A). Banded pieces	G	5.02	5.00	35.54	54.43	28.77	81.27	4.86	2.47	9.62	0.63
78 lower	Samples 78 lower, 78 mid and 78 upper are all from another area of mine 2 from the seam 78 sample (see chapter 3)	G	4.96	5.99	37.15	51.90	28.26	79.34	5.08	2.56	11.19	0.41
78 mid	See above. Dull coal. Contains fragmental bands (one of which was macerated see chapter 3.4, 3.6.3).	G	3.93	4.26	38.32	53.49	29.22	80.35	5.22	2.70	10.03	0.74
78 upper	See above. Banded coal each is a few mm thick bright: dull ratio (70:30)	G	5.14	2.68	38.18	54	29.41	80.47	5.18	2.50	9.74	1.18
78 S2	Mine 1, 5km from mine 2, see chapter 3. Same seam location as used to sample <i>in situ</i> coal pillar 78(b) (Fig. 5.1 B). Sample contains vitrain and durain	G	4.06	4.56	35.16	56.22	29.44	81.73	4.96	2.62	9.45	0.32
78 S3	Mine 1, 5km from mine 2, see chapter 3. Same seam location as used to sample <i>in situ</i> coal pillar 78(b) (Fig. 5.1 B). 100m from 78 S2 sample. 1 vitrain band at the base, the rest is thinly banded dull:bright 70:30.	G	3.05	4.39	38.06	54.50	30.35	82.16	5.31	2.68	8.86	0.26
80-81	Mine 2, see chapter 3. Bright thinly banded coal (mm scale)	G	5.42	6.03	39.75	48.81	27.60	78.96	5.21	2.41	11.43	0.45
81	Mine 2, see chapter 3. Discrete mm banding of vitrain (rare bands)	G	5.14	7.23	34.95	52.68	27.81	80.91	4.89	2.37	10	0.37
82	Mine 2, see chapter 3.	G	5.75	12.42	37.16	44.66	25.35	79.34	4.99	2.45	10.33	0.48
84	Mine 2, see chapter 3. Weathered coal, contains vitrain bands.	G	5.41	8.96	40.24	45.50	26.57	78.76	5.26	2.45	11.16	0.43
84-86	Mine 1, see chapter 3. Thinly brightly banded (mm scale) with dull band in centre	G	3.19	10.92	33.57	52.32	27.58	81.63	4.84	2.18	9.30	0.44
85	Mine 1, (part of seams 84-86 where seam 85 could be distinguished, see chapter 3). Banded and dull coal	G	5.90	7.04	37.35	49.71	27.28	79.22	4.81	2.36	11.60	0.24
88	Mine 1, same seam location as used to sample <i>in situ</i> coal pillars 88(a) and 88(b) (Fig. 5.1 A; chapter 3). Thinly banded sample 50:50 (dull:bright)	G	6.81	5.34	38.92	48.93	27.32	79.16	5.10	2.41	11.48	0.23
91 (1)	Mine 1, same seam location as used to sample <i>in situ</i> coal pillar 91 (Fig. 4.1 C; chapter 3). Bright, thinly banded 20:80 (dull:bright) and dull pieces containing thin, discontinuous vitrain lenses (dull pieces same as seam 88 loc 2)	G	4.90	9.65	38.52	46.93	27	80.48	5.10	2.41	10.04	0.23
91 (2)	Mine 2, chapter 3. Thinly banded coal, the majority is dull.	G	5.68	13.70	43.31	37.32	24.15	76.46	5.50	2.47	12.24	0.32
92	Mine 2, chapter 3. Bright, slightly weathered coal, fragments easily.	G	7.46	41.83	42.37	8.34	13.29	72.10	5.18	2.69	9.62	0.54
94	Mine 2, chapter 3. Sample is weathered and contains thin scattered vitrain bands and contains some pyrite.	G	6.87	14.19	38.19	40.75	23.85	78.32	4.93	2.55	10.77	0.44

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			Inherent Moisture (%)	Ash (%)	VM (%) (dry ash free basis)	Fixed Carbon (%)		C (%) (daf basis)	H (%) (daf basis)	N (%) (daf basis)	O (%) (daf basis)	Total S (%) (daf basis)
Stockpile fine	All worked seams from mines 1 and 2 (pieces 1mm-5cm in size; see chapter 2.1.3)	BL	4.41	7.07	38.72	49.80	28.35	81.32	5.25	2.75	8.99	0.47
Stockpile pieces	All worked seams from mines 1 and 2 (pieces up to 10cm in size; chapter 2.1.3). All pieces are banded.	G	5.36	9.18	37.08	48.38	27.08	80.66	5.10	2.61	9.34	0.60
Combined stockpile	Composed of all seams except 68, 92 and 94 none of which were being mined at the time of sampling	BL	5.36	8.26	37.93	48.45	27.06	80.04	5.07	2.52	10.24	0.44

Appendix 6 - Summary tables of sampling locality and averaged proximate and ultimate results for bulk crushed general seam and stockpile samples. For petrographic data see Table A.4.1 and Appendix 1. For raw characterisation data see appendix 7.