

Sample Name	PETROGRAPHY			PROXIMATE ANALYSES				Net CV (MJ/Kg daf basis)	ULTIMATE ANALYSES				
	Total Vitrinite (% mmf basis)	Total Liptinite (% mmf basis)	Total Inertinite (% mmf basis)	Inherent Moisture (%)	Ash (%)	VM (%) (daf basis)	Fixed Carbon (%)		C (%) (daf basis)	H (%) (daf basis)	N (%) (daf basis)	O (%) (daf basis)	Total S (%) (daf basis)
78 LU1	85.55	0	14.45	5.47	4.24	34.88	55.41		80.28	4.75	2.28	10.18	1.27
78 LU2	48.20	0.64	51.16	5.13	3.32	35.84	55.71		80.18	4.91	2.44	10.51	0.91
78 LU3	71.53	0.90	27.57	5.06	3.66	37.14	54.14	28.51	78.88	5.03	2.54	11.53	0.84
78 LU4	94.61	0.39	5	4.89	7.51	39.65	47.95		79.22	5.00	2.55	10.63	0.96
78 LU5	86.02	1.23	12.75	4.97	3.92	37.86	53.25	28.54	79.81	5.09	2.68	10.54	0.77
78 LU6	52.97	2.16	44.87	4.81	3.24	35.27	56.68	29.11	80.41	4.79	2.60	10.52	0.70
78 LU7	96.26	0.84	2.9	5.07	2.25	36.94	55.74	29.52	79.63	5.13	2.54	10.93	0.84
78 LU8	51.18	0.73	48.09	4.56	5.35	35.62	54.47	28.41	80.12	4.81	2.47	10.52	0.84
78 LU9	40.64	0.09	59.27	4.29	5.08	32.32	58.31		81.14	4.50	2.24	9.92	1.06
78 LU10	90.87	0.69	8.44	4.8	4.67	39.02	51.51		78.91	5.10	2.61	11.28	0.84
88 LU1	33.93	19.11	46.95	4.97	3.81	35.97	55.25	28.69	80.15	4.99	2.61	10.38	0.80
				6.46	13.13	30.8	49.61		79.96	4.81	2.40	10.08	0.23
88 LU2	25.09	19.69	55.23	6.23	18.77	25.42	49.58	22.73	80.72	4.41	2.40	9.13	0.22
88 LU3	95.84	1.54	2.62	7.3	7.16	31.06	54.48		79.17	4.88	2.47	11.28	0.25
88 LU4	29.55	17.31	53.13	5.91	20.89	24.31	48.89	22.21	83.15	4.21	2.32	7.31	0.24
88 LU5	89.05	1.11	9.85	6.87	9.68	31.49	51.96		79.69	4.84	2.44	10.63	0.24
88 LU6	38.25	5.72	56.02	5.9	19.81	25.58	48.71		79.67	4.48	2.33	9.83	0.21
88 LU7	68.22	3.45	28.33	6.02	17.58	26.08	50.32		80.68	4.43	2.39	9.34	0.21
88 COMP				5.94	19.35	24.9	49.81	23.43	77.87	4.19	2.27	11.48	0.22
78(b) LU1-3				3.51	4.44	35.48	56.57						0.35
78(b) LU4-5				2.98	12.96	30.44	53.62						0.42

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	Total vitrinite (%) mmf basis	Total liptinite (%) mmf basis	Total inertinite (%) mmf basis	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
88(b) LU1-2				6.05	3.21	35.25	55.49						0.47
88(b) LU3	54.17	7.95	37.88	6.16	4.14	34.58	55.12		71.29	5.21	2.32	16.78	0.26
88(b) LU4-5				6.27	4.76	31.98	56.99						0.27
88(b) LU6-7				6.45	4.1	35.58	53.87						0.3
88(b) LU8	52.01	2.89	45.09	6.86	6.34	32.5	54.3		68.98	5.13	2.17	17.11	0.27
88(b) LU9	79.64	1.96	18.4	6.82	6.6	31.47	55.11		68.84	5.27	2.15	16.92	0.22
88(b) LU10	43.89	4.38	51.73	7.06	6	32.78	54.16		68.39	5.21	2.19	17.96	0.25
88(b) LU11	55.37	8.49	36.14	5.91	5.82	35.09	53.18		70.02	5.17	2.36	16.38	0.25
88(b) LU12	37.34	5.64	57.02	5.88	6.32	32.09	55.71		69.93	5	2.16	16.36	0.23
88(b) LU13	69.33	3.31	27.36	5.98	3.8	35.04	55.18		71.32	5.38	2.27	16.98	0.25
88(b) LU14	54.86	7.77	37.37	5.91	3.7	35.01	55.39		71.3	5.24	2.24	17.25	0.27
91 LU1	55.21	4.43	40.36	4.9	9.42	33.71	51.97		68.38	5	2.05	14.95	0.2
91 LU2	37.38	1.52	61.10	4.9	7.28	31.83	55.99		70.96	4.89	1.94	14.74	0.19
91 LU3-5				5.52	3.32	37.48	53.68						0.3

Appendix 5 Summary table of petrographic, proximate and ultimate data for lithotype units from coal pillars 78(a), 88(a), 78(b), 88(b) and 91. For raw petrographic data refer to Appendix 1. For raw characterisation data refer to Appendix 7.