

APPENDIX 9

Summary details departmental coal reconnaissance boreholes Galilee Basin

Site / Borehole Number(s)*	Latitude (Degrees, Minutes, Seconds - South)** - Datum - AGD 66	Longitude (Degrees, Minutes, Seconds - East)** - Datum - AGD 66	MGA Zone	Accuracy/Reliability	Year Completed	Total Depth -metres (feet /inches)	Recorded Surface RL - approx metres	Collar R.L. - Approx. metres	Height Datum - method	Collar Height (m above surface)	Core Size	Coal Intersected (Y/N)	Coal Sampled (Y/N)	Coal Intervals sampled & analysed - depth below surface to top and base of interval - (thickness) - metres.	Coal (RC) Sample Numbers	Downhole Geophysics (Analogue) Y/N	ODEX Report Number	Area	Comment
GALILEE NS 1-1A	23°, 09, 50 (Borehole survey register); Approx. 23°, 09, 30 (lithological log header)	146°, 22, 43 (Borehole survey register); Approx. 146°, 23, (lithological log header)	55	Scaled from topographic/cadastral map - Datum AGD 66.	1971	338.58 (1110 ft 10 in for NS 1) / 345.24 (1132 ft 8 in for NS 1A)	~16.8m	Not specified	-	Not specified	NQWL	Y	Y	77.91 to 81.13 (3.22) 94.26 to 97.52 (3.26) 168.83 to 171.68 (2.85) 185.0 to 189.79 (4.79)	6811-14; 6815; 6816-19; 6840-41; 6842-46	N	41753	Wendouree	Wendouree (GSQ Record 1973/12)
GALILEE NS 2	23°, 09, 36 (Borehole survey register); Approx. 23°, 10, (lithological log header)	146°, 25, 46 (Borehole survey register); Approx. 146°, 26, (lithological log header)	55	Scaled from topographic/cadastral map - AGD 66.	1971	583.27 (1913 ft 7 in)	Not specified	Not specified	-	Not specified	HQWL & NQWL	Y	Y	100.93 to 102.95 (2.02) 120.27 to 124.87 (4.6) 165.8 to 167.13 (1.33)	6874; 6875-78; 6879	Y (Gamma, Res-SP)	41753	Wendouree	Wendouree (GSQ Record 1973/12)
GALILEE NS 3	23°, 09, 26 (Borehole survey register); Approx. 23°, 09, 30 (lithological log header)	146°, 19, 10 (Borehole survey register); Approx. 146°, 20, (lithological log header)	55	Scaled from topographic/cadastral map - AGD 66.	1972	289.39 (949 ft 5 in)	~34.8m	Not specified	-	Not specified	HQWL	Y	Y	144.28 to 146.3 (2.02) 158.98 to 162.27 (3.29) 231.76 to 233.08 (1.32) 250.09 to 253.21 (3.12) 253.44 to 254.66 (1.22) 279.34 to 280.91 (1.57)	7004; 7005-06; 7007; 7008-10; 7011; 7012	Y (Gamma)	41753	Wendouree	Wendouree (GSQ Record 1973/12). Approximately 5.5 miles west of Wendouree Homestead
GALILEE NS 4-4A	22°, 47, 25 (Borehole survey register); Approx. 22°, 47, 30 (lithological log header)	146°, 28, 39 (Borehole survey register); Approx. 146°, 29, (lithological log header)	55	Scaled from topographic/cadastral map - AGD 66.	1972	280.52 (920 ft 4 in)	Not specified	Not specified	-		HQWL	Y	Y	120.04 to 123.86 (3.82) 133.58 to 136.93 (3.35) 142.00 to 144.77 (1.78)	7060-61; 7062-64; 7065	N	41662	Degulla	Degulla (GSQ Record 1973/19); approximately 2.25 miles west of Degulla Homestead
GALILEE NS 5	22°, 48, 47 (Borehole survey register); Approx. 22°, 48, 30 (lithological log header)	146°, 25, 58 (Borehole survey register); Approx. 146°, 25, (lithological log header)	55	Scaled from topographic/cadastral map - AGD 66.	1972	446.06 (1463 ft 5 in)	~29.6m	~29.6m (97 ft)	datum/or method not specified		HQWL & NQWL	Y	Y	213.40 to 218.91 (5.51) 223.86 to 228.52 (4.66) 281.80 to 287.15 (5.35) 299.10 to 301.16 (2.06)	7066-68; 7069-70; 7071-74; 7075-76	Y (Gamma, Res-SP)	41662, 48740	Degulla	Degulla (GSQ Record 1973/19); QGM Vol 75, No 859
GALILEE NS 6	22°, 48, 19 (Borehole survey register); Approx. 22°, 48, (lithological log header)	146°, 22, 12 (Borehole survey register); Approx. 146°, 22, (lithological log header)	55	Scaled from topographic/cadastral map - AGD 66. Discrepancies in borehole records re co-ordinates	1972	408.18 (1339 ft 2 in)	~46m	Not specified	-		NQWL	Y	Y	296.55 to 302.04 (5.49) 307.17 to 311.25 (4.08) 359.35 to 364.67 (5.32) 377.71 to 379.49 (1.78)	7077 - 78; 7079 - 80; 7081 - 84; 7085	Y (Gamma, Res-SP)	41662	Degulla	Degulla (GSQ Record 1973/19); approximately 5 miles west of Degulla Homestead
GALILEE NS 7	~22°, 25, 50 (Approx from lithological log & graphic log header - no entry borehole survey register)	~146°, 30, 20 (Approx from lithological log & graphic log header - no entry borehole survey register)	55	Scaled from topographic/cadastral map. AGD 66	1972	115.09 (377 ft 7 in)		Not specified	-		NQWL	N	-			N	41669	Laglan	Laglan (GSQ Record 1974/12); large water flow - hole abandoned above Base of Weathering
GALILEE NS 8	~22°, 25, 07 (Borehole survey register) - ~22°, 25, 10 (lithological log header)	~146°, 28, 03 (Borehole survey register) - ~146°, 28, 00 (lithological log header)	55	Scaled from topographic/cadastral map - AGD 66.	1972	609.6 (2000 ft 0 in)		Not specified	-		NQWL	Y	Y	145.19 to 147.62 (2.44) 156.22 to 158.72 (2.50) 173.08 to 174.82 (1.74) 193.70 to 195.01 (1.31)	7140; 7141 - 42; 7143; 7144	Y (Gamma, Res-SP)	41669	Laglan	Laglan (GSQ Record 1974/12)
GALILEE NS 9	~22°, 24, 20 (Approx from lithological log & graphic header - no entry borehole survey register)	~146°, 30, 20 (Approx from lithological log & graphic log header - no entry borehole survey register)	55	Scaled from topographic/cadastral map. AGD 66	1972	105.79 (347 ft 1 in)		Not specified	-		NQWL	N	-			N	41669	Laglan	Laglan (GSQ Record 1974/12); large water flow - hole abandoned in 'Tertiary' above Base of Weathering
GALILEE NS 10	~22°, 25, 45	~146°, 26, 08 (Borehole survey register & graphic log header) - ~146°, 26, 10 (lithological log header)	55	Scaled from topographic/cadastral map - AGD 66.	1972	397.11 (1302 ft 10 in)		~17.4m (~57 ft)	datum/or method not specified		NQWL	Y	Y	234.05 to 240.53 (6.48) 260.90 to 261.84 (0.94) 332.38 to 338.94 (6.56) 343.05 to 345.08 (2.03) 348.02 to 351.16 (3.14)	7242 - 46; 7247; 7248 - 51; 7252; 7253 - 55	Y (Gamma)	41669	Laglan	Laglan (GSQ Record 1974/12)
GALILEE NS 11-12R	~22°, 25, 40	~146°, 24, 12	55	Scaled from topographic/cadastral map. AGD 66	1972	106.68 (350 ft - for NS 11, hole abandoned) 494.44 (1622 ft 2 in for NS 12R)		~54.5m (~179 ft)	datum/or method not specified		NQWL	Y	Y	355.89 to 363.96 (8.07) 366.36 to 367.74 (1.38) 377.0 to 377.94 (0.94) 450.28 to 455.37 (5.09) 457.01 to 459.27 (2.26) 463.04 to 465.98 (2.94)	7256 - 61; 7262; 7263; 7264 - 67; 7268; 7269 - 71	N	41669	Laglan	Laglan (GSQ Record 1974/12); Galilee NS 12R redrill of Galilee NS11 (abandoned at 350 ft)
GALILEE NS 13	~23°, 30, 25	~146°, 22, 10	55	Scaled from topographic/cadastral map. AGD 66	1973	227.15 (745 ft 3 in)		Not specified	-		NQWL	Y	Y	137.78 to 140.23 (2.45)	7441	N	41671	Lambton Meadows	Lambton Meadows (GSQ Record 1974/31)
GALILEE NS 14-15R	~23°, 31, 07	~146°, 20, 00	55	Scaled from topographic/cadastral map. AGD 66	1973	73.15 m (234 ft 8 in for NS 14) 281.18m (922 ft 6 in for NS 15R)		Not specified	-		NQWL	Y	Y	215.14 to 217.49 (2.35)	7442	Y (Gamma)	41671	Lambton Meadows	Lambton Meadows (GSQ Record 1974/31); Galilee NS 14 abandoned at 73.15 m (234 ft 8 in) - redrilled as NS 15R
GALILEE NS 16	~22°, 01, 47	~146°, 19, 35	55	Scaled from topographic/cadastral map. AGD 66	1973	322.27		~200.6 m (estimated RL surface of ~55 ft). Discrepancy between graphic and litho logs - litho agrees with summary cards	AHD - barometer		NQWL	Y	Y	206.83 to 208.16 (1.33) 208.44 to 219.09 (10.65) 219.82 to 223.04 (3.22) 255.85 to 257.65 (1.80) 267.69 to 269.03 (1.34) 275.89 to 280.87 (4.98)	7629; 7630 - 34; 7635 - 36; 7637; 7638; 7639 - 40	N	41720	Moray Downs	Moray Downs (GSQ Record 1974/28)
GALILEE NS 17	~22°, 02, 21	~146°, 17, 47	55	Scaled from topographic/cadastral map. AGD 66	1973	324.79		~282.5m	AHD - barometer		NQWL	N	-			N	41720	Moray Downs	Moray Downs (GSQ Record 1974/28); hole terminated in Rewan Group ('Formation')
GALILEE NS 18	~22°, 00, 21	~146°, 21, 36	55	Scaled from topographic/cadastral map. AGD 66	1973	103.32		~244.7m	AHD - barometer		NQWL	N	-			N	41720	Moray Downs	Moray Downs (GSQ Record 1974/28); hole spudded in strata considered to be Lower Permian in age. Terminated at relatively shallow depth.
GALILEE NS 19-20R	~22°, 01, 29	~146°, 20, 47	55	Scaled from topographic/cadastral map. AGD 66	1973	162.35 (NS 19) / 53.58 (NS 20R)		~241.3m	AHD - method not specified		NQWL	Y	Y	75.82 to 81.22 (5.40) 113.36 to 116.21 (2.85) 126.10 to 130.77 (4.67)	All coal samples from Galilee NS 19 as: RC 7641 - 42; 7643 - 44; 7645 - 46	N	41720	Moray Downs	Moray Downs (GSQ Record 1974/28); Galilee NS 20R redrill of uppermost seam intersected in Galilee NS 19. Seam intersected 50.98 m to 53.58 m but not sampled.
GALILEE NS 21	~22°, 01, 36	~146°, 20, 11	55	Scaled from topographic/cadastral map. AGD 66	1973	253.81		~253.3m (RL surface ~ 829 ft - 252.7 m)	AHD - barometer		NQWL	Y	Y	92.98 to 101.47 (8.49) 102.37 to 105.22 (2.85) 128.36 to 129.40 (1.04) 168.55 to 171.28 (2.73) 176.37 to 181.35 (4.98) 219.02 to 221.86 (2.84) 230.66 to 235.15 (4.49)	7647 - 51; 7652 - 53; 7654; 7655 - 56; 7657 - 59; 7660 - 61; 7662 - 63	Y (Gamma, Res-SP to ~110m)	41720	Moray Downs	Moray Downs (GSQ Record 1974/28)
GALILEE NS 22	~21°, 26, 02	~146°, 02, 11	55	Scaled from topographic/cadastral map. AGD 66	1973	251.37		~337.1m (RL surface ~1104 ft - 336.5m)	AHD - barometer		NQWL	Y	Y	199.31 to 203.04 (3.73) 206.68 to 208.65 (1.97)	7742 - 44; 7745	N	41721	Mirtna	Mirtna (GSQ Record 1976/4) - hole abandoned before target depth

Site / Borehole Number(s)*	Latitude (Degrees, Minutes, Seconds - South)** - Datum - AGD 66	Longitude (Degrees, Minutes, Seconds - East)** - Datum - AGD 66	MGA Zone	Accuracy/Reliability	Year Completed	Total Depth -metres (feet /inches)	Recorded Surface RL - approx metres	Collar R.L. - Approx. metres	Height Datum - method	Collar Height (m above surface)	Core Size	Coal Intersected (Y/N)	Coal Sampled (Y/N)	Coal Intervals sampled & analysed - depth below surface to top and base of interval - (thickness) - metres.	Coal (RC) Sample Numbers	Downhole Geophysics (Analogue) Y/N	QDEX Report Number	Area	Comment
GALILEE NS 23	~21°, 25, 36	~146°, 02, 36	55	Scaled from topographic/cadastral map. AGD 66	1973	146.54		~342m (RL surface ~1120 ft - 341.4m)	AHD - barometer		NQWL	Y	Y	41.99 to 43.11 (1.12) 49.19 to 50.85 (1.66) 99.09 to 104.70 (5.61) 107.97 to 111.48 (3.51) 118.52 to 121.15 (2.63)	7746 - 48; 7749 - 51; 7752 - 53; 7754 - 55	N	41721	Mirna	Mirna (GSQ Record 1976/4) - relatively steep dips where noted in core ranging ~17 to 40 degrees. Some coal intersected before coring commenced.
GALILEE NS 24	~21°, 25, 52	~146°, 02, 27	55	Scaled from topographic/cadastral map. AGD 66	1973	281.23		~339.2m (RL surface ~1111 ft - 338.6m)	AHD - barometer		NQWL	Y	Y	120.55 to 124.21 (3.66) 131.28 to 132.76 (1.48) 182.82 to 189.81 (6.99) 192.63 to 196.44 (3.81) 208.42 to 212.39 (3.97)	7756 - 58; 7759; 7760 - 63; 7764 - 65; 7766 - 67	N	41721	Mirna	Mirna (GSQ Record 1976/4); moderately steep dips noted - range ~10 to 25 degrees
GALILEE NS 25-25A	~21°, 43, 12	~146°, 14, 28	55	Scaled from topographic/cadastral map. AGD 66	1973	220.02		~0.6m - RL surface 'assumed' as ~0m.	Datum not specified barometer	0.6m	NQWL	N	-	-	-	N	41312	View Hill	View Hill (GSQ Record 1977/11); Galilee NS 25A - failed deflection attempt to deepen Galilee NS 25
GALILEE NS 26	~21°, 43, 03	~146°, 11, 39	55	Scaled from topographic/cadastral map. AGD 66	1974	200.00		~26.2m.	relative to NS 25 - method not specified	0.6m	NQWL	Y	Y	89.63 to 94.19 (4.56)	8101 - 02	N	41312	View Hill	View Hill (GSQ Record 1977/11)
GALILEE NS 27	~21°, 43, 06	~146°, 10, 29	55	Scaled from topographic/cadastral map. AGD 66	1974	209.99		~42.4m	relative to NS 25 - method not specified	0.3m	NQWL	Y	Y	124.20 to 126.97 (2.77) 133.80 to 135.57 (1.77) 142.09 to 143.63 (1.54)	8103; 8104; 8105	N	41312	View Hill	View Hill (GSQ Record 1977/11); nominally D Seam and split E Seam intersected
GALILEE NS 28	~21°, 43, 10	~146°, 08, 17	55	Scaled from topographic/cadastral map. AGD 66	1974	320.49		~83.7m	relative to NS 25 - method not specified	0.3m	NQWL	Y	Y	240.32 to 246.99 (6.67) 248.60 to 250.67 (2.07) 251.95 to 261.52 (9.57) 295.47 to 299.47 (4.00) 308.26 to 309.64 (1.38)	8106 - 09; 8110; 8111 - 16; 8117 - 18; 8119	N	41312	View Hill	View Hill (GSQ Record 1977/11); nominally A & B Seams combined, C Seam D Seam and split E Seam - hole abandoned in coal - rods stuck in hole. Base of Rewan Group ('Formation') noted at 188.35 m. Base of weathering noted at 102.5 m.
GALILEE NS 29	~21°, 43, 08	~146°, 09, 28	55	Scaled from topographic/cadastral map. AGD 66	1974	295.98		~57.6m	relative to NS 25 - method not specified	0.6m	NQWL	Y	Y	143.95 to 150.40 (6.45) 152.10 to 154.17 (2.07) 154.94 to 164.53 (9.59) 214.61 to 220.27 (5.66) 224.22 to 226.08 (1.86) 235.56 to 236.69 (1.13)	8120-23; 8124; 8125-31; 8132 - 8134; 8135; 8136; 8137-38	N	41312	View Hill	View Hill (GSQ Record 1977/11); coal seams intersected - nominally A and B Seams combined, C Seam, D Seam, E Seam (split) and F Seam
GALILEE NS 30	~21°, 05, 18	~145°, 42, 16	55	Scaled from topographic/cadastral map. AGD 66	1974	194.13		~304.1m	AHD - method not specified	0.3m	NQWL	Y	Y	106.66 to 107.99 (1.33) 113.50 to 116.19 (2.60) 126.89 to 128.45 (1.56) 129.95 to 131.12 (1.17)	8317; 8318-19; 8320; 8321	N	41686	Longton	Longton (GSQ Record 1978/15); coal seams intersected - nominally E Seam (split) and F Seam
GALILEE NS 31-32R	~21°, 05, 44	~145°, 41, 35	55	Scaled from topographic/cadastral map. AGD 66	1974	253.10 (NS 31)/ 155.88 (NS 32R)		~307.3m	AHD - method not specified	0.3m	NQWL	Y	N	-	-	N	41686	Longton	Longton (GSQ Record 1978/15); Galilee NS 31 - numerous sections of non-cored drilling, chip drilled through coal seam - redrilled as NS 32R. High proportion of fawn coloured mudstones and carbonaceous mudstone throughout coal intervals - no coal samples taken. Base of weathering estimated at ~ 125 m.
GALILEE NS 33	~21°, 06, 00	~145°, 40, 51	55	Scaled from topographic/cadastral map. AGD 66	1975	361.93		~308.6m	AHD - method not specified	0.3m	NQWL	Y	Y	220.37 to 221.46 (1.09) 263.75 to 265.03 (1.28) 266.21 to 268.02 (1.81)	8322; 8323; 8324	N	41719	Longton	Longton (GSQ Record 1978/15); coal seams intersected - nominally B Seam, C Seam (multiple splits), D Seam (split), E Seam (split) and F Seam (split)
GALILEE NS 34	~20°, 38, 24	~145°, 23, 03	55	Scaled from topographic/cadastral map. AGD 66	1975	161.87		~450.3m - 'assumed' ? relative level of surface recorded as ~450m (litho and graphic logs) and ~457 m (summary card).	'assumed' ? - datum or method not specified	0.3m	NQWL	N	-	-	-	N	41719	Pentland	Pentland (Department of Mines Record 1987/47)
GALILEE NS 35	~20°, 38, 10	~145°, 23, 05	55	Scaled from topographic/cadastral map - AGD 66.	1975	144.65		~453.5m	relative to Galilee NS 34 - method not specified	0.3m	NQWL	Y	Y	65.71 to 76.14 (10.43) 100.36 to 101.77 (1.41) 124.81 to 127.76 (2.95) 132.63 to 134.75 (2.12)	8464 - 67; 8468; 8469; 8470	N	41719	Pentland	Pentland (Department of Mines Record 1987/47); base of weathering ~ 56 m
GALILEE NS 36	~20°, 44, 24	~145°, 41, 35	55	Scaled from topographic/cadastral map. AGD 66	1975	68.08		~313.0m	AHD - method not specified	0.3m	NQWL	N	-	-	-	N	41719	Milray	Milray (Department of Mines Record 1987/47); Hole abandoned.
GALILEE NS 37	~20°, 44, 24	~145°, 41, 19	55	Scaled from topographic/cadastral map. AGD 66	1975	258.45		~310.9 m	AHD - method not specified	0.3m	NQWL	N	-	-	-	N	41719	Milray	Milray (Department of Mines Record 1987/47); base of weathering estimated ~ 109.5 m
GALILEE NS 38	~20°, 52, 21	~145°, 44, 29	55	Scaled from topographic/cadastral map. AGD 66	1975	199.69	~303.5m	~304.3m.	AHD - method not specified	0.8m	NQWL	N	-	-	-	N	41719	Milray	Milray (Department of Mines Record 1987/47); base of weathering estimated ~ 90 m
GALILEE NS 39	~20°, 36, 53	~145°, 19, 32	55	Scaled from topographic/cadastral map. AGD 66	1975	147.28	~460.3m	~460.9m	AHD - method not specified	0.53m	NQWL	N	-	-	-	N	41719	Pentland	Pentland (Department of Mines Record 1987/47); steep bedding plane dips throughout (40 to 50 degrees) where noted; iron staining (weathering) noted to ~140 m
GALILEE NS 40	~20°, 37, 11	~145°, 19, 17	55	Scaled from topographic/cadastral map. AGD 66	1975	216.93	~446.3m	~446.8m	AHD - method not specified	0.54m	NQWL	N	-	-	-	N	41719	Pentland	Pentland (Department of Mines Record 1987/47); Base of 'Tertiary' interp. at ~ 64 m. Base of Weathering interpreted at about 91.5 m although iron staining noted in places below this point (~103.5 m, 119 to 120 m, 122 m and 133.5 m)
GALILEE NS 41	~20°, 38, 19	~145°, 25, 46	55	Scaled from topographic/cadastral map. AGD 66	1975	243.61	~417.9m	~418.7m	'assumed level' relative to NS 34 - method not specified	0.8m	NQWL	Y	N	-	-	N	41719	Pentland	Pentland (Department of Mines Record 1987/47); thin coal/carb mudstone interval (~0.76 m) at 92.49 m. Base of weathering appears to be around 92 m - some iron staining noted however below at ~100 m, ~135.4 m and ~217.3 m. Lithological log notes tools stuck in hole. Some core from the interval 212.97 m to 220.86 m lost in transit to core library - lithology from Foremen's reports used for this section.
GALILEE NS 42	~20°, 38, 13	~145°, 23, 53	55	Scaled from topographic/cadastral map. AGD 66	1976	149.68	~436.7m	~437.5m	'assumed level' relative to NS 34 - method not specified	0.8m	NQWL	N	N	-	-	N	41719	Pentland	Pentland (Department of Mines Record 1987/47); base of 'Tertiary' est. ~22.7 m; Base of Triassic & approx base of weathering ~ 77.6 m
GALILEE NS 43	~20°, 38, 07	~145°, 23, 27	55	Scaled from topographic/cadastral map. AGD 66	1976	225.6	~453.3m	~453.9m	'assumed level' relative to NS 34 - method not specified	0.6m	Non-cored	Y	N	-	-	N	41719	Pentland	Pentland (Department of Mines Record 1987/47). Non-cored borehole. Estimated base of weathering ~68m; possible thin coal seam 118m to 119.6m and banded coal/carbonaceous shale interval ~132 to 134m.
GALILEE NS 44-45R	~20°, 38, 07	~145°, 23, 21 (from borehole survey register)	55	Scaled from topographic/cadastral map - AGD 66. Discrepancies in borehole records re co-ordinates	1976	135.84 (NS 44)/ 138.68 (NS 45R)	~453.3m	~453.9m	'assumed level' relative to NS 34 - method not specified	0.6m	NQWL	Y	N	-	-	N	41719	Pentland	Pentland (Department of Mines Record 1987/47) - Galilee NS 45R redrill of Galilee NS 44. Poor core recoveries (< 85 per cent) in both boreholes of coal/carb mudstone intervals intersected - not sampled. Estimated coal/carb intervals ~118.4 to 121.55m (NS 44); ~132.7 to 137.2m (NS 45R)
GALILEE NS 46	~20°, 52, 13	~145°, 38, 39	55	Scaled from topographic/cadastral map. AGD 66	1976	240.0	~362.2m	~362.8m	datum not specified. Interpolated from topographic contour map	0.6m	NXWL	Y	Y	98.67 to 100.14 (1.47) 112.82 to 115.38 (2.56) 139.46 to 141.00 (1.54)	9547; 9548; 9549 - 50	N	41719	Milray	Milray (Department of Mines Record 1987/47). Numerous non-cored sections within borehole.
GALILEE NS 47	~20°, 52, 19	~145°, 38, 00	55	Scaled from topographic/cadastral map. AGD 66	1976	250.14	~365.3m	~365.9m	datum not specified. Interpolated from topographic contour map	0.6m	NQWL	Y	Y	106.60 to 108.03 (1.43) 109.42 to 113.35 (3.93) 123.27 to 124.29 (1.02) 146.25 to 148.08 (1.83) 170.97 to 173.00 (2.03)	9551; 9552 - 54; 9555; 9556; 9557-58	N	41719	Milray	Milray (Department of Mines Record 1987/47). Numerous non-cored sections within borehole. Seams intersected nominally interpreted (graphic log) to include B Seam (split), C Seam and D Seam. Base of weathering estimated between 80 to 100m.
GALILEE NS 48	~21°, 53, 03 (from borehole survey register)	~146°, 17, 13 (from borehole survey register)	55	Scaled from topographic/cadastral map - AGD 66.	1976	250.05	~362.7m	~263.3m	AHD - barometer	0.6m	NXWL	N	-	-	-	N	41932	Moray Downs	Moray Downs (Department of Mines Record 1987/28)
GALILEE NS 49	~21°, 53, 05 (from borehole survey register)	~146°, 18, 12 (from borehole survey register)	55	Scaled from topographic/cadastral map - AGD 66.	1976	115.52	~254.3m	~254.9m	AHD - barometer	0.6m	NXWL	N	-	-	-	N	41932	Moray Downs	Moray Downs (Department of Mines 1987/28); base of weathering interpreted at about 65m - Iron staining noted to ~ 80 m
GALILEE NS 50	~21°, 54, 31 (from borehole survey register) - ~21°, 53, 31 South (from lithological log header).	~146°, 13, 29	55	Scaled from topographic/cadastral map - AGD 66.	1977	274.49	~332.3m	~332.8m	AHD - barometer	0.5m	NQWL	N	-	-	-	N	41932	Moray Downs	Moray Downs (Department of Mines Record 1987/32); base of weathering interpreted at ~131 m. Interpreted stratigraphy has borehole terminating in Rewan Group ('Formation') although coal fragments noted at ~232.3 m.

Site / Borehole Number(s)*	Latitude (Degrees, Minutes, Seconds - South)** - Datum - AGD 66	Longitude (Degrees, Minutes, Seconds - East)** - Datum - AGD 66	MGA Zone	Accuracy/Reliability	Year Completed	Total Depth -metres (feet /inches)	Recorded Surface RL - approx metres	Collar R.L. - Approx. metres	Height Datum - method	Collar Height (m above surface)	Core Size	Coal Intersected (Y/N)	Coal Sampled (Y/N)	Coal Intervals sampled & analysed - depth below surface to top and base of interval - (thickness) - metres.	Coal (RC) Sample Numbers	Downhole Geophysics (Analogue) Y/N	ODEX Report Number	Area	Comment
GALILEE NS 51	~21°, 55, 08	~145, 15, 16	55	Scaled from topographic/cadastral map. AGD 66	1977	307.76	~295.2m	~295.7m	AHD - barometer	0.5m	NQWL	Y	Y	95.60 to 102.07 (6.47) 192.11 to 195.00 (2.89) 203.57 to 211.97 (8.40) 218.13 to 220.00 (1.87)	9801-04; 9805-06; 9807-10; 9811-12	N	41932	Moray Downs	Moray Downs (Department of Mines Record 1987/32); base of weathering at ~ 63 m. Dips 10 to 15 degrees towards base of hole.
GALILEE NS 52-53R	~21°, 55, 00	~146, 14, 46	55	Scaled from topographic/cadastral map. AGD 66	1977	5.87 (NS 52)/ 308.63 (NS 53R)	~313.2m	~313.7m	AHD - barometer	0.5m	NQWL	Y	Y	165.21 to 174.80 (9.59) 241.76 to 243.30 (1.54) 265.65 to 268.40 (2.75) 276.90 to 285.95 (9.05) 292.04 to 293.75 (1.71)	9813 - 18; 9819; 9820 - 21; 9822 - 25; 9826 - 27	N	41932	Moray Downs	Moray Downs (Department of Mines Record 1987/32); Galilee NS 53R redrill of Galilee NS52 (NS 52 abandoned at 5.8 m). Dips 5 to 10 degrees - Base of weathering est. ~74 m. Base of Rewan Group ('Formation') est. ~ 159.5 m.
GALILEE NS 54	~22°, 11, 08	~146, 25, 00	55	Scaled from topographic/cadastral map. AGD 66	1977	380.16	~228.8m	~229.3m	AHD - barometer	0.5m	NQWL	Y	Y	181.97 to 190.22 (8.25) 191.82 to 193.73 (1.91) 194.43 to 200.26 (5.83) 280.2 to 296.85 (16.65) 302.36 to 304.28 (1.92) 325.01 to 327.63 (2.62)	10113 - 17; 10118; 10119 - 21; 10122 - 28; 10129; 10130 - 31	N	41932	Moray Downs	Moray Downs (Department of Mines Record 1987/32); base of weathering ~100 m. Dips relatively flat (<5 degrees) throughout. Coring commenced (~55.1 m) in weathered medium- to coarse-grained quartzose sandstone interpreted as possible Dunda beds. Relatively steep dips (~20 degrees) at ~330 m depth - associated with possible brecciated contact with strata interpreted as possible Early Permian below lowermost coal seam. Strata interpreted as ?early Permian - sandstones with medium to coarse sized pebbles/clasts of volcanic origin.
GALILEE NS 55	~22°, 11, 10	~146, 25, 34	55	Scaled from topographic/cadastral map. AGD 66	1977	300.41	~225.5m	~226m	AHD - barometer	0.5m	NQWL	Y	Y	123.45 to 132.14 (8.69) 133.87 to 135.81 (1.94) 136.6 to 142.71 (6.11) 225.79 to 242.74 (16.95) 249.78 to 251.76 (1.98) 270.58 to 271.70 (1.12)	10132 - 36; 10137; 10138 40; 10141 - 47; 10148; 10149	N	41932	Moray Downs	Moray Downs (Department of Mines Record 1987/32); Base of weathering ~102.7m. Dips of Late Permian strata range 5 to 10 degrees. Fusian partings noted as being 'common in all seams' with iron sulphide on cleats and vertical fractures.
GALILEE NS 56	~22°, 08, 44	~146, 23, 50	55	Scaled from topographic/cadastral map. AGD 66	1977	370.0	~233.8m	~234.3m	AHD - barometer	0.5m	NQWL	Y	Y	204.43 to 221.05 (16.62) 288.25 to 304.53 (16.28) 313.12 to 313.92 (0.80)	10385 - 94; 10395 - 400; 10401	N	41932	Moray Downs	Moray Downs (Department of Mines Record 1987/32); base of weathering est. ~112 m. Dips <5 degrees throughout. Base of Late Permian interpreted at ~ 334.5 m.
GALILEE NS 57*	~22°, 09, 18	~146, 25, 22	55	Scaled from topographic/cadastral map. AGD 66	1977	260.89	~228.8m	~229.3m	AHD - barometer	0.5m	NQWL	Y	Y	196.57 to 214.05 (17.48) 221.61 to 223.17 (1.56) 245.64 to 248.34 (2.70)	10402 - 09; 10410; 10411; N	41932	Moray Downs	Moray Downs (Department of Mines Record 1987/32); weathered down to top of first coal seam at ~104 m. Poor core recovery - Galilee NS 58R redrill of Galilee NS 57 (located further down-dip) to recover top coal seam.	
GALILEE NS 58R*	~22°, 09, 33	~146, 25, 07	55	Scaled from topographic/cadastral map. AGD 66	1977	163.32	~228.8m	~229.5m	AHD - barometer	0.7m	NQWL	Y	Y	141.01 to 149.48 (8.47) 152.0 to 153.81 (1.81) 154.65 to 161.04 (6.39)	10412 - 16; 10417; 10418 20	N	41932	Moray Downs	Moray Downs (Department of Mines Record 1987/32); Galilee NS 58R redrill of Galilee NS 57 to recover top coal seam. Coring commenced at ~ 97 m below base of weathering in Rewan Group ('Formation') strata.
GALILEE NS 59	~22°, 06, 17	~146, 23, 44	55	Scaled from topographic/cadastral map. AGD 66	1977	274.03	~222.3m	~223m	AHD - barometer	0.7m	NQWL	Y	Y	120.79 to 129.74 (8.95) 131.30 to 133.34 (2.04) 134.08 to 140.57 (6.49) 210.90 to 227.76 (16.86) 263.12 to 264.70 (1.58)	10658 - 62; 10663; 10664 66; 10667 - 74; 10675	N	41932	Moray Downs	Moray Downs (Department of Mines Record 1987/32); base of weathering ~73.8 m. Base of 'Tertiary' estimated at ~ 69.4 m. Dips <5 degrees where noted. Numerous light fawn to fawn-coloured mudstones logged within some seams - noted as possibly tuffaceous in places.
GALILEE NS 60	~22°, 05, 00	~146, 22, 09	55	Scaled from topographic/cadastral map. AGD 66	1977	326.06	~225.5m	~226.2m	AHD - barometer	0.7m	NQWL	Y	Y	188.97 to 197.05 (8.08) 198.30 to 200.10 (1.80) 200.80 to 207.43 (6.63) 259.84 to 264.79 (4.95) 280.26 to 289.91 (9.65) 311.55 to 312.69 (1.14)	10676 - 79; 10680; 10681 84; 10685 - 87; 10688 - 91; 10692	N	41932	Moray Downs	Moray Downs (Department of Mines Record 1987/32); coring commenced in weathered strata of Rewan Group at ~66.8 m. Base of weathering at ~ 71 m. Base of Rewan Group est. at ~ 157.7 m. Dips 5 degrees or less where noted. Numerous light fawn - fawn-coloured mudstones logged within some seams - noted as possibly tuffaceous in places.
GALILEE NS 61	~22°, 02, 44	~146, 20, 56	55	Scaled from topographic/cadastral map. AGD 66	1978	322.18	~255.7m	~256.4m	AHD - barometer	0.7m	NQWL	Y	Y	125.81 to 138.67 (12.86) 139.41 to 142.67 (3.26) 199.03 to 203.09 (4.06) 205.14 to 210.58 (5.44) 212.54 to 215.36 (2.82) 226.36 to 228.46 (2.10)	10889 - 10904; 10905 - 10906; 10907 - 10908; 10909 - 10911; 10912 - 10913; 10914 - 10915	N	41932	Moray Downs	Moray Downs (Department of Mines Record 1987/32); possible weathering noted to ~71 m. Estimated Base of Rewan Group strata (Carr) at ~105.8 m. Possible 'organic disturbance' of strata noted between ~239 and 299 m. Numerous light fawn - fawn-coloured mudstones logged within some seams - noted as possibly tuffaceous in places.
GALILEE NS 62	~22°, 03, 59	~146, 21, 33	55	Scaled from topographic/cadastral map. AGD 66	1978	351.23	~244.1m	~244.8m	AHD - barometer	0.7m	NQWL	Y	Y	187.96 to 197.82 (9.86) 201.92 to 209.00 (7.08) 269.37 to 273.91 (4.54) 278.85 to 288.92 (10.07) 311.04 to 317.14 (6.10)	10916 - 21; 10922 - 25; 10926 - 27; 10928 - 32; 10933 - 34	N	41932	Moray Downs	Moray Downs (Department of Mines Record 1987/32); base of weathering est. at ~ 92.6 m. Base of Rewan Group strata (Carr) at ~164.5 m. First coal interval at ~187.8 m. Numerous light fawn to fawn-coloured mudstones logged within some seams - noted as possibly tuffaceous in places. Pebble conglomerate comprised of multi-coloured volcanic pebbles/clasts noted between ~324.4 m to bottom of hole.

Site / Borehole Number(s)*	Latitude (Degrees, Minutes, Seconds - South)** - Datum - AGD 66	Longitude (Degrees, Minutes, Seconds - East)** - Datum - AGD 66	MGA Zone	Accuracy/Reliability	Year Completed	Total Depth -metres (feet /inches)	Recorded Surface RL - approx metres	Collar R.L. - Approx. metres	Height Datum - method	Collar Height (m above surface)	Core Size	Coal Intersected (Y/N)	Coal Sampled (Y/N)	Coal Intervals sampled & analysed - depth below surface to top and base of interval - (thickness) - metres	Coal (RC) Sample Numbers	Downhole Geophysics (Analogue) Y/N	QDEX Report Number	Area	Comment
GALILEE NS 63	~21°, 56, 21	~146, 16, 31	55	Scaled from topographic/cadastral map. AGD 66	1978	268.15	~281.4m	~282.1m	AHD - barometer	0.7m	NQWL	Y	Y	90.96 to 97.93 (6.97) 99.93 to 103.04 (3.11) 152.56 to 157.57 (5.01) 158.57 to 159.91 (1.34) 189.92 to 193.72 (3.80) 202.69 to 210.41 (7.72) 215.12 to 217.31 (2.19) 242.13 to 246.69 (4.56)	10935 - 38; 10939; 10940 42; 10943; 10944 - 45; 10946 - 50; 10951 - 52; 10953 - 54	N	41932	Moray Downs	Moray Downs (Department of Mines Record 1987/32); base of weathering est. ~79.3 m. Base of Tertiary possibly ~73 m (Carr) - first coal interval at ~89.5 m. Numerous light fawn to fawn-coloured mudstones logged within some seams - noted as possibly tuffaceous in places.
GALILEE NS 64	~21°, 57, 31	~146, 17, 45	55	Scaled from topographic/cadastral map. AGD 66	1978	212.96	~269.4m	~270.1m	AHD - barometer	0.7m	NQWL	Y	Y	75.51 to 81.95 (6.44) 85.41 to 88.32 (2.91) 128.54 to 133.72 (5.18) 158.42 to 161.94 (3.52) 170.51 to 178.91 (8.40) 182.75 to 185.05 (2.30)	10955 - 58; 10959; 10960 62; 10963 - 64; 10965 - 68; 10969 - 70	N	41932	Moray Downs	Moray Downs (Department of Mines Record 1987/32). Base of weathering either just above or in top of first coal seam at ~74.9 m. Numerous light fawn to fawn coloured mudstones logged within some seams.
GALILEE NS 65	~21°, 58, 55	~146, 18, 26	55	Scaled from topographic/cadastral map. AGD 66	1978	350.32	~260m	~260.7m	AHD - barometer	0.7m	NQWL	Y	Y	173.83 to 180.32 (6.49) 184.60 to 187.32 (2.72) 252.98 to 257.51 (4.53) 268.14 to 271.10 (2.96) 279.25 to 289.55 (10.30) 294.75 to 297.27 (2.52) 315.24 to 321.11 (5.87)	11103 - 06; 11107; 11108 10; 11111; 11112 - 14; 11115 - 16; 11117 - 18	N	41932	Moray Downs	Moray Downs (Department of Mines Record 1987/32); base of Tertiary estimated at ~67 m (Carr). Base of weathering est. at ~88.3 m. Base of 'upper Permian' strata estimated at ~ 329.3 m (Carr).
GALILEE NS 66	~20°, 59, 57	~146, 19, 59	55	Scaled from topographic/cadastral map. AGD 66	1978	297.26	~260.1m	~260.8m	AHD - barometer	0.7m	NQWL	Y	Y	128.39 to 141.92 (13.53) 166.25 to 168.86 (2.61) 204.64 to 206.78 (2.14) 212.94 to 220.69 (7.75) 222.85 to 224.35 (1.50) 227.99 to 230.28 (2.29)	11119 - 25; 11126; 11127; 11128 - 31; 11132; 11133	N	41932	Moray Downs	Moray Downs (Department of Mines Record 1987/32); base of weathering ~72.2 m. Numerous fawn to light fawn-coloured mudstones logged throughout numerous seams. Dips 5 degrees or less where noted.

* A = Deflection from within the original borehole; R = Redrill of original borehole from a closely offset location at or near the same site - exception is NSS8R drilled some distance from the site of NS 57 apparently to avoid the influence of weathering on the uppermost coal seam.

** Geographic coordinates should be considered as approximate only. The borehole coordinates listed are those originally determined and recorded by the Coal Section, Queensland Department of Mines - Australian Geodetic Datum (AGD) 1966. Where there is a discrepancy in departmental records of the co-ordinate of a borehole, the entry (in bold) taken from GSQ Coal Section borehole survey register is regarded as likely to be the more reliable figure.

GALILEE NS 3 - Red text indicates borehole details and lithological units recorded in imperial units