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PETROLEUM DIVISION

GIPPSLAND BASIN.
GEOCHEMICAL REPORT.

C.R.A.
BARRACOUTA-1

COBIA-1
MARLIN-1
"   -A24
MERRIMAN-1
SUNDAY ISLAND-1
TUNA-2
WELLINGTON PARK-1

GEOCHEM REPORT BOX

CRA Report

Gippsland Basin

BARRACOUTA 1
BRC-1

Gippsland Basin   38 16 s. lat.   147 42 e

#	M	FT	%I-C	%O-C	%N	%H	S1	S2	TMAX			
1	244	800	bdl	11.10	bdl	0.07	0.10	bdl	ndm		...	v.A
2	415	1360	76.8	bdl	bdl	0.19	0.09	0.3	462	0.22	...	0.4
3	549	1800	58.9	0.13	bdl	0.32	0.35	bdl	ndm	...	...	0.5
4	665	2180	55.9	0.19	bdl	0.33	0.09	bdl	ndm	...	...	0.2
5	793	2600	88.6	bdl	bdl	0.11	bdl	bdl	ndm	...	...	---
6	945	3100	68.4	bdl	bdl	0.20	0.06	bdl	ndm	...	...	0.1
7	1027	3370	32.6	0.45	bdl	0.44	0.12	0.4	465	0.22	92	0.5
8	1071	3513	bdl	65.59	0.39	4.16	10.20	149.0	461	0.06	227	159.2
9	1140	3740	0.3	66.37	0.13	4.92	17.90	302.0	456	0.06	455	319.9
10	1165	3820	0.5	64.74	0.24	4.16	9.44	195.0	461	0.05	301	204.4
11	1210	3970	bdl	64.50	0.24	5.10	8.32	358.0	455	0.02	555	366.3
12	1259	4130	bdl	68.20	0.22	4.52	3.88	205.0	444	0.02	301	208.9
13	1274	4180	bdl	68.70	0.35	5.14	8.00	341.0	462	0.02	496	349.0
14	1421	4660	bdl	71.10	0.34	4.98	6.51	281.0	465	0.02	395	287.5
15	1485	4870	bdl	67.30	0.24	4.59	8.09	275.0	462	0.03	409	283.1
16	1506	4940	bdl	46.80	0.14	3.18	2.02	128.0	461	0.02	274	130.0
17	1527	5010	bdl	59.10	0.22	4.24	5.32	217.0	465	0.02	367	222.3
18	1591	5220	bdl	43.00	0.09	3.60	6.02	214.0	464	0.03	498	220.0
19	1625	5330	bdl	49.40	0.23	3.79	6.81	236.0	466	0.03	478	242.8
20	1640	5380	bdl	49.10	0.20	3.62	4.08	211.0	464	0.02	430	215.1
21	1652	5420	bdl	56.70	0.23	4.50	9.01	315.0	465	0.03	556	324.0
22	1753	5750	bdl	67.60	0.17	4.39	7.06	264.0	464	0.03	391	271.1
23	1787	5860	bdl	61.50	0.25	4.82	8.21	339.0	465	0.02	551	347.2
25	1933	6340	3.4	2.15	bdl	0.65	0.39	5.9	470	0.06	273	6.3
26	1945	6380	bdl	59.40	bdl	3.61	7.93	139.0	464	0.05	234	147.0
27	2000	6560	bdl	12.00	bdl	1.58	1.59	68.4	476	0.02	570	70.0
28	2024	6640	bdl	40.10	0.07	1.95	2.47	16.6	466	0.13	41	19.1
29	2040	6690	bdl	6.22	bdl	1.09	0.70	21.2	471	0.03	341	21.9
30	2046	6710	bdl	51.20	bdl	3.63	4.52	169.0	465	0.03	330	173.5
31	2116	6940	3.9	4.67	bdl	0.68	15.00	12.0	463	0.56	257	27.0
32	2177	7140	bdl	5.89	bdl	1.00	0.81	15.1	466	0.05	256	15.9
33	2238	7340	bdl	38.60	bdl	2.25	1.71	60.0	466	0.03	155	61.7
34	2271	7450	bdl	39.50	bdl	3.14	4.30	191.0	464	0.02	484	195.3
35	2290	7510	bdl	5.02	bdl	1.03	1.10	12.6	475	0.08	251	13.7
36	2320	7610	bdl	5.26	bdl	0.86	0.57	2.8	479	0.17	53	3.4
37	2355	7725	bdl	4.48	bdl	0.99	0.64	13.1	474	0.05	292	13.7
38	2372	7780	bdl	1.26	bdl	0.93	0.22	0.8	467	0.21	67	1.1
39	2384	7820	bdl	21.00	bdl	2.14	5.62	87.0	465	0.06	414	92.6
40	2399	7870	bdl	4.28	bdl	0.86	1.05	12.5	465	0.08	292	13.5
41	2402	7880	bdl	10.40	bdl	1.25	1.17	40.2	466	0.03	387	41.4
42	2466	8090	0.1	14.28	bdl	1.27	0.74	21.9	467	0.03	153	22.6
43	2482	8140	bdl	15.50	bdl	1.28	0.90	24.0	470	0.04	155	24.9
44	2564	8410	bdl	3.94	0.08	0.83	0.37	9.8	468	0.08	248	10.7
45	2585	8480	bdl	5.94	0.07	0.76	1.03	2.7	474	0.28	45	3.7
46	2610	8560	bdl	1.91	bdl	0.69	0.31	1.5	470	0.17	80	1.8
47	2651	8695	bdl	2.48	0.06	0.77	0.47	5.1	475	0.08	206	5.6
48	306	1003	74.4	bdl	bdl	0.18	0.10	bdl	ndm	---	...	0.2
49	459	1504	83.3	bdl	bdl	0.13	0.06	bdl	ndm	---	---	0.2
50	712	2336	44.3	0.61	bdl	0.39	0.15	0.3	473	0.33	50	0.5
51	716	2347	35.0	0.44	bdl	0.47	0.10	0.4	470	0.20	91	0.5
52	1021	3349	24.5	0.14	bdl	0.56	bdl	bdl	ndm	...	...	---
53	1070	3511	55.8	7.90	bdl	0.75	3.17	21.9	460	0.13	277	25.1
54	1725	5658	bdl	0.71	bdl	0.60	0.15	1.1	465	0.13	152	1.2
55	1727	5665	bdl	0.86	bdl	0.49	0.14	0.9	465	0.13	105	1.0
56	1867	6125	bdl	2.95	bdl	0.87	0.57	8.5	462	0.06	288	9.1

57	1966	6450	bdl	3.06	bdl	0.93	1.20	15.6	465	0.07	510	16.8
58	1967	6453	bdl	0.52	bdl	0.52	0.17	1.1	465	0.13	213	1.3
59	2355	7724	bdl	6.55	bdl	6.55	1.48	10.2	472	0.13	156	11.7
60	2651	8695	bdl	11.80	0.05	1.42	4.11	46.4	473	0.08	393	50.5
61	2652	8699	bdl	1.71	bdl	0.62	0.61	3.3	477	0.15	195	3.9

Pyrolysis run with CDS Pyroprobe and modified interface: TMAX inaccurate.
M is sample depth in meters.
FT is sample depth in feet.
%I-C is inorganic carbon as % calcium carbonate in rock.
%O-C is organic carbon as % carbon in rock.
%N is % nitrogen in rock.
%H is % hydrogen in rock.
S1 is pyrolysis free-hydrocarbon signal (mg hydrocarbons/g rock).
S2 is pyrolysis kerogen signal (mg S2 hydrocarbons/g rock).
PI is production index [S1/(S1+S2)].
TMAX is temperature at which S2 signal is maximum (deg C).
HI is hydrogen index (mg hydrocarbons/g O-C).
GP is genetic potential (kg hydrocarbons/ton rock) (S1+S2).
'bdl' means 'below detection limit';   '---' means 'not determined'.
'ndm' means 'no definitive maximum'.

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                                    COBIA 1
                                    COB-1
                    Gippsland Basin        38 27 s. lat.    148 17 e. long.
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#	M	FT	%I-C	%O-C	%N	%H	S1	S2	TMAX	PI	HI	GP
1	930	3050	73.3	0.17	bdl	0.28	0.20	0.4	449	0.34	220	0.6
2	1095	3590	73.7	0.45	0.05	0.29	0.22	0.6	453	0.26	140	0.8
3	1232	4040	71.6	0.31	bdl	0.25	0.13	0.8	455	0.17	273	1.0
4	1405	4610	74.8	0.89	bdl	0.27	0.38	1.4	427	0.21	161	1.8
5	1534	5030	62.8	0.14	0.05	0.33	0.16	0.3	458	0.35	212	0.5
6	1698	5570	49.3	0.34	bdl	0.42	0.16	0.3	453	0.35	87	0.5
7	1790	5870	45.6	0.36	bdl	0.44	0.11	0.2	462	0.35	57	0.3
8	1890	6200	50.3	0.20	bdl	0.42	0.10	0.3	456	0.24	159	0.4
9	2046	6710	48.2	0.12	0.05	0.41	0.14	0.4	458	0.24	383	0.6
10	2140	7020	30.4	0.39	0.05	0.62	0.10	0.3	459	0.27	68	0.4
11	2220	7280	29.0	0.76	0.06	0.63	0.17	0.5	435	0.26	64	0.7
12	2287	7500	29.0	0.42	0.06	0.60	0.19	0.3	467	0.43	60	0.4
13	2311	7580	31.6	0.46	bdl	0.59	0.13	0.3	461	0.31	62	0.4
14	2351	7710	25.2	0.43	bdl	0.56	0.17	0.3	464	0.39	63	0.4
15	2391	7841	bdl	47.59	0.50	3.72	20.28	178.0	435	0.10	374	198.3
16	2391	7842	bdl	62.00	0.79	5.58	28.17	460.8	460	0.06	743	489.0
17	2416	7925	22.5	0.61	0.05	0.48	0.39	1.4	471	0.22	226	1.8
18	2488	8160	1.5	5.56	bdl	0.35	1.02	13.0	462	0.07	235	14.1
19	2552	8370	20.4	0.57	0.05	0.51	0.20	0.4	459	0.35	65	0.6
20	2561	8400	19.9	0.68	bdl	0.46	0.31	0.7	459	0.30	109	1.1
21	2582	8470	2.6	0.05	bdl	0.09	0.10	bdl	ndm	----	---	0.2

Pyrolysis run with CDS Pyroprobe and modified interface: TMAX inaccurate.
M is sample depth in meters.
FT is sample depth in feet.
%I-C is inorganic carbon as % calcium carbonate in rock.'
%O-C is organic carbon as % carbon in rock.
%N is % nitrogen in rock.
%H is % hydrogen in rock.
S1 is pyrolysis free-hydrocarbon signal (mg hydrocarbons/g rock).
S2 is pyrolysis kerogen signal (mg S2 hydrocarbons/g rock).
PI is production index [S1/(S1+S2)].
TMAX is temperature at which S2 signal is maximum (deg C).
HI is hydrogen index (mg hydrocarbons/g O-C).
GP is genetic potential (kg hydrocarbons/ton rock) (S1+S2).
'bdl' means 'below detection limit';   '---' means 'not determined'.
'ndm' means 'no definitive maximum'.

MARLIN 1
MLN-1

Gippsland Basin   38 14 s. lat.   148 13 e. long.

#	M	FT	%I-C	%O-C	%N	%H	S1	S2	TMAX	PI	HI	GP
1	250	820	75.8	0.20	bdl	0.20	bdl	bdl	ndm	---	---	---
2	305	1000	79.4	0.57	bdl	0.17	bdl	bdl	ndm	----	----	---
3	351	1150	80.3	0.66	bdl	0.13	bdl	bdl	ndm	---	---	---
4	378	1240	81.4	0.63	bdl	0.14	bdl	bdl	ndm	---	----	---
5	415	1360	86.4	0.33	bdl	0.09	bdl	bdl	ndm	----	---	---
6	442	1450	86.4	0.13	bdl	0.08	bdl	bdl	ndm	-----	----	---
7	470	1540	82.5	0.40	bdl	0.15	bdl	0.3	471	----	84	0.4
8	524	1720	86.1	0.57	bdl	0.08	bdl	bdl	ndm	----	----	----
9	561	1840	79.0	0.44	bdl	0.16	bdl	bdl	ndm	---	---	----
10	598	1960	78.0	0.27	bdl	0.17	0.08	bdl	ndm	----	---	0.2
11	634	2080	77.4	0.49	bdl	0.19	0.03	0.3	472	0.22	60	0.4
12	671	2200	77.1	0.46	bdl	0.20	0.06	0.3	467	0.18	58	0.3
13	716	2350	67.2	0.66	bdl	0.38	0.10	0.2	465	0.30	36	0.3
14	744	2440	71.8	0.93	bdl	0.24	0.09	0.3	476	0.21	36	0.4
15	771	2530	68.5	0.68	bdl	0.29	0.11	0.3	481	0.24	51	0.5
16	790	2590	65.8	0.67	bdl	0.29	0.07	0.3	466	0.17	50	0.4
17	826	2710	70.9	0.40	bdl	0.25	0.08	0.2	465	0.25	57	0.3
18	881	2890	66.5	0.39	bdl	0.27	0.05	bdl	ndm	----	----	0.1
19	927	3040	60.5	0.59	bdl	0.33	bdl	bdl	ndm	----	---	---
20	954	3130	64.8	0.50	bdl	0.39	0.09	bdl	ndm	----	----	---
21	982	3220	65.2	0.38	bdl	0.27	bdl	bdl	ndm	----	---	---
22	1018	3340	66.1	0.29	bdl	0.28	0.07	0.3	470	0.17	118	0.4
23	1055	3460	72.4	bdl	bdl	0.20	0.05	bdl	ndm	----	---	0.1
24	1082	3550	70.5	0.18	bdl	0.23	0.06	bdl	ndm	----	----	0.2
25	1110	3640	66.5	0.32	bdl	0.29	0.08	0.5	480	0.13	159	0.6
26	1137	3730	57.3	0.34	bdl	0.34	0.10	0.2	464	0.29	69	0.3
27	1174	3850	55.6	0.22	bdl	0.39	0.09	bdl	ndm	----	----	0.2
28	1220	4000	47.7	0.65	bdl	0.45	bdl	bdl	ndm	----	----	---
29	1610	5280	3.8	39.84	0.54	3.39	3.51	149.0	466	0.02	374	152.5
30	1601	5250	12.8	12.66	0.15	1.04	0.84	34.5	466	0.02	272	35.3
31	1591	5220	1.9	53.97	0.73	3.89	3.08	153.0	466	0.02	283	156.1
32	1579	5180	22.5	11.10	0.12	0.86	0.43	21.7	465	0.02	195	22.1
33	1564	5130	15.1	11.29	0.15	1.01	0.67	24.7	465	0.03	219	25.4
34	1543	5060	19.9	19.11	0.25	1.62	0.79	35.7	466	0.02	187	36.5
35	1494	4900	23.4	22.59	0.29	1.90	1.53	52.4	464	0.03	232	53.9
36	1473	4830	26.0	10.08	0.11	0.98	1.34	24.8	465	0.05	246	26.1
37	1451	4760	10.6	29.23	0.28	2.24	4.31	92.6	464	0.04	317	96.9
38	1433	4700	24.8	0.91	bdl	0.34	bdl	0.6	483	----	67	0.7
39	1402	4600	18.7	0.34	bdl	0.26	bdl	bdl	ndm	---	---	---
40	1387	4550	3.9	0.29	bdl	bdl	bdl	bdl	ndm	---	---	---
41	1351	4430	49.5	0.42	bdl	0.36	bdl	bdl	ndm	---	---	---
42	1323	4340	42.6	0.26	bdl	0.41	bdl	bdl	ndm	---	---	---
43	1287	4220	46.8	0.54	bdl	0.42	bdl	bdl	ndm	---	---	---
44	1247	4090	48.1	0.52	bdl	0.42	bdl	bdl	ndm	---	---	---
45	1619	5310	4.4	55.07	0.81	0.41	3.37	175.0	467	0.02	318	178.4
46	1634	5360	12.6	45.29	0.67	2.92	1.02	50.6	466	0.02	112	51.6
47	1659	5440	27.9	12.05	0.19	1.13	0.29	14.6	466	0.02	121	14.9
48	1683	5520	27.9	13.85	0.23	1.27	0.49	21.5	466	0.02	155	22.0
49	1713	5620	8.2	33.61	0.43	2.36	1.71	88.2	470	0.02	262	89.9
50	1738	5700	7.9	39.96	0.51	3.24	1.74	105.0	466	0.02	263	106.7
51	1768	5800	23.9	13.83	0.20	1.39	0.60	30.9	466	0.02	223	31.5
52	1802	5910	19.4	19.47	0.26	1.46	0.63	21.5	471	0.03	110	22.1
53	1820	5970	11.4	34.93	0.52	3.03	1.76	106.0	466	0.02	303	107.8
54	1851	6070	9.2	31.29	0.66	2.05	0.74	26.6	479	0.03	85	27.3
55	1881	6170	8.9	34.54	0.43	2.82	0.91	57.1	472	0.02	165	58.0

#	M	FT	%I-C	%O-C	%N	%H	S1	S2	TMAX	PI	HI	GP
56	1902	6240	22.8	9.76	0.17	1.13	0.43	19.5	475	0.02	200	19.9
57	1930	6330	17.8	9.16	0.13	1.04	0.10	7.9	482	0.01	86	8.0
58	1960	6430	22.5	10.30	0.18	1.05	0.18	13.2	476	0.01	129	13.4
59	1985	6510	21.4	2.03	0.07	0.43	0.10	0.8	489	0.11	39	0.9
60	2021	6630	7.6	3.55	0.09	0.70	0.11	1.0	487	0.10	28	1.1
61	2055	6740	23.6	4.49	0.10	0.65	0.15	2.2	489	0.06	49	2.4
62	2085	6840	2.2	4.14	0.11	0.82	0.18	2.1	478	0.08	51	2.3
63	2104	6900	18.4	1.89	0.06	0.41	0.08	0.9	485	0.08	48	1.0
64	2128	6980	6.6	8.65	0.18	1.04	0.80	13.6	471	0.06	157	14.4
65	2155	7070	2.4	41.91	0.69	3.13	4.06	84.7	481	0.05	202	88.8
66	2192	7190	7.9	9.04	0.18	1.09	0.31	10.0	481	0.03	110	10.3
67	2229	7310	10.9	3.91	0.08	0.82	0.17	2.4	451	0.07	60	2.5
68	2262	7420	3.1	10.93	0.15	1.32	0.92	22.6	480	0.04	207	23.5
69	2293	7520	7.9	41.95	0.60	2.82	1.98	72.9	475	0.03	174	74.9
70	2320	7610	1.6	19.51	0.32	2.05	1.50	69.2	478	0.02	355	70.7
71	2345	7690	6.0	41.28	0.57	3.02	2.35	96.6	478	0.02	234	99.0
72	2363	7750	41.0	2.42	0.07	0.60	0.18	1.2	481	0.13	49	1.4
73	2381	7810	3.7	5.92	0.10	0.82	0.34	10.2	491	0.03	172	10.5
74	2402	7880	4.9	18.11	0.26	1.89	1.75	44.2	485	0.04	244	46.0
75	2427	7960	4.9	19.81	0.21	1.60	4.26	44.1	481	0.09	223	48.4
76	2445	8020	4.1	8.37	0.14	1.18	1.08	23.5	456	0.04	281	24.6
77	2476	8120	0.3	21.96	0.26	1.74	0.81	35.1	482	0.02	160	35.9
78	2503	8210	1.9	12.18	0.13	1.19	1.36	30.2	478	0.04	248	31.6
79	2506	8220	1.9	10.57	0.13	0.94	1.18	21.7	483	0.05	205	22.9
80	2518	8260	0.8	14.51	0.17	1.44	2.13	36.3	478	0.06	250	38.4
81	2534	8310	0.5	28.34	0.29	2.43	7.42	101.0	471	0.07	356	108.4
82	2555	8380	0.5	21.34	0.27	1.90	4.08	67.8	478	0.06	318	71.9
83	2567	8420	2.8	13.26	0.16	1.16	0.94	24.6	481	0.04	186	25.5
84	2579	8460	0.9	6.75	0.08	0.67	0.30	12.1	482	0.02	179	12.4
95	2287	7502	bdl	69.50	0.60	4.82	9.74	150.0	462	0.06	216	159.7
98	1559	5112	bdl	73.50	0.73	4.83	6.04	193.0	467	0.03	263	199.0
116	1492	4894	bdl	69.30	0.23	6.03	25.70	389.0	449	0.06	557	414.7
120	1448	4750	bdl	44.80	0.31	3.61	5.25	152.0	456	0.03	339	157.3
121	1559	5114	bdl	68.00	0.57	4.85	7.22	156.0	411	0.04	229	163.2
122	2207	7239	5.7	2.60	bdl	0.74	0.42	2.7	468	0.13	104	3.1

Pyrolysis run with CDS Pyroprobe and modified interface: TMAX inaccurate.
M is sample depth in meters.
FT is sample depth in feet.
%I-C is inorganic carbon as % calcium carbonate in rock.
%O-C is organic carbon as % carbon in rock.
%N is % nitrogen in rock.
%H is % hydrogen in rock.
S1 is pyrolysis free-hydrocarbon signal (mg hydrocarbons/g rock).
S2 is pyrolysis kerogen signal (mg S2 hydrocarbons/g rock).
PI is production index [S1/(S1+S2)].
TMAX is temperature at which S2 signal is maximum (deg C).
HI is hydrogen index (mg hydrocarbons/g O-C).
GP is genetic potential (kg hydrocarbons/ton rock) (S1+S2).
'bdl' means 'below detection limit';   '---' means 'not determined'.
'ndm' means 'no definitive maximum'.

MARLIN A24
MLN-A24

Gippsland Basin   38 13 s. lat.   148 13 e. long.

#	M	FT	%I-C	%O-C	%N	%H	S1	S2	TMAX	PI	HI	GP
1	2052	6730	2.5	40.60	0.62	3.15	3.20	138.7	466	0.02	342	141.9
2	2061	6760	1.1	43.47	0.64	3.47	3.13	141.3	465	0.02	325	144.4
3	2070	6790	0.6	50.43	0.70	3.70	4.96	170.2	460	0.03	338	175.2
4	2101	6890	0.1	64.09	0.99	4.82	5.66	157.5	457	0.03	346	163.1
5	2149	7050	bdl	67.00	1.10	4.68	7.67	195.6	466	0.04	292	203.2
6	2159	7080	bdl	70.00	1.13	4.99	13.34	317.7	455	0.04	454	331.1
7	2201	7220	0.1	71.09	1.12	5.16	10.37	229.1	458	0.04	322	239.5
10	2305	7560	3.6	31.27	0.49	2.86	3.72	76.3~	457	0.05	244	80.0
11	2473	8110	7.3	9.42	0.13	1.15	2.48	18.8	436	0.12	199	21.3
12	2540	8330	7.6	27.19	0.40	2.56	23.31	79.2	462	0.23	291	102.5
13	2713	8900	0.3	53.37	0.87	4.19	11.45	169.7	460	0.06	318	181.2
14	2756	9040	0.5	65.94	0.97	4.27	7.00	206.4	466	0.03	313	213.4
15	2845	9330	bdl	73.20	1.15	4.65	11.76	205.5	460	0.05	281	217.3
16	2893	9490	1.1	58.06	0.88	3.64	9.44	174.2	439	0.05	300	183.6
17	2899	9510	2.7	39.28	0.61	2.61	5.15	116.3	460	0.04	296	121.4
18	2973	9750	0.9	17.00	0.29	1.71	3.58	60.9	416	0.06	358	64.5
19	3012	9880	1.6	65.81	0.93	3.93	9.33	163.4	504	0.05	248	172.7
20	3055	10020	0.6	70.22	0.92	4.30	10.94	177.8	461	0.06	253	188.8
21	3140	10300	0.7	70.72	0.94	4.32	10.28	191.7	437	0.05	271	202.0
22	3146	10320	0.6	57.53	0.77	3.85	7.69	174.7	461	0.04	304	182.4
23	3168	10390	3.6	45.17	0.56	3.25	12.04	172.1	460	0.07	381	184.1
24	3210	10530	bdl	72.39	0.99	4.77	25.55	292.4	434	0.08	404	317.9
25	3277	10750	0.3	45.97	0.57	2.99	7.88	144.6	459	0.05	315	152.5
26	3329	10920	0.8	22.10	0.39	2.07	9.39	99.1	470	0.09	448	108.5

Pyrolysis run with CDS Pyroprobe and modified interface: TMAX inaccurate.
M is sample depth in meters.
FT is sample depth in feet.
%I-C is inorganic carbon as % calcium carbonate in rock.
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%N is % nitrogen in rock.
%H is % hydrogen in rock.
S1 is pyrolysis free-hydrocarbon signal (mg hydrocarbons/g rock).
S2 is pyrolysis kerogen signal (mg S2 hydrocarbons/g rock).
PI is production index [S1/(S1+S2)].
TMAX is temperature at which S2 signal is maximum (deg C).
HI is hydrogen index (mg hydrocarbons/g O-C).
GP is genetic potential (kg hydrocarbons/ton rock) (S1+S2).
'bdl' means 'below detection limit';   '----' means 'not determined'.
'ndm' means 'no definitive maximum'.

MERRIMAN 1
MRN-1

Gippsland Basin   38 21 s. lat.   147 11 e. long.

#	M	FT	%I-C	%O-C	%N	%H	S1	S2	TMAX	PI	HI	GP
1	85	280	17.9	0.28	bdl	0.17	0.14	bdl	ndm	---	---	0.2
2	180	590	67.6	bdl	bdl	0.43	0.17	bdl	ndm	---	---	0.2
3	308	1010	62.3	0.47	bdl	0.29	0.10	bdl	ndm	---	---	0.2
4	390	1280	70.4	0.26	bdl	0.23	0.13	bdl	ndm	---	---	0.3
5	439	1440	75.0	0.76	bdl	0.20	0.10	0.2	ndm	0.29	32	0.3
6	540	1770	68.7	bdl	bdl	0.24	0.14	0.3	443	0.34	---	0.4
7	613	2010	41.2	0.13	bdl	0.51	0.08	bdl	ndm	---	---	0.3
8	722	2367	9.9	44.91	0.42	3.28	4.73	158.6*	440	0.03	353	163.3
9	750	2460	7.6	34.68	0.24	3.09	3.83	128.2	414	0.03	370	132.1
10	759	2490	5.0	47.10	0.29	4.01	7.06	195.9	437	0.03	416	203.0
11	826	2710	2.4	15.81	0.09	1.30	1.94	54.0	440	0.03	343	55.9
12	896	2940	2.5	5.79	bdl	0.75	0.78	8.0	432	0.09	139	8.8
13	912	2992	4.3	55.99	0.42	4.34	3.78	175.3	442	0.02	313	179.1
14	1006	3300	8.2	30.81	0.26	2.53	3.34	128.0	442	0.03	415	131.3
15	1043	3420	2.8	50.86	0.43	4.02	5.52	217.7	442	0.02	428	223.2
16	1049	3440	5.0	5.54	bdl	0.54	0.60	15.7	443	0.04	283	16.3
17	1076	3530	1.7	49.19	0.44	3.96	5.67	225.6	443	0.02	459	231.3
18	1085	3560	0.6	57.63	0.44	4.60	7.70	271.6	443	0.03	471	279.3
19	1122	3680	0.2	23.00	0.19	1.63	1.68	75.3	465	0.02	326	77.0
20	1165	3820	0.7	13.92	0.10	1.04	1.34	58.8	463	0.02	422	60.1
21	1265	4150	2.4	48.81	0.48	3.56	2.62	172.4	464	0.01	353	175.0
22	1296	4250	bdl	61.70	0.52	4.87	4.13	239.4	456	0.02	388	243.5
23	1438	4717	bdl	5.15	0.08	0.87	0.34	16.8	473	0.02	325	17.1
24	1369	4490	0.3	61.07	0.54	4.83	4.56	280.7	462	0.02	460	285.3
25	1448	4750	2.4	7.14	0.06	0.83	0.52	22.5	464	0.02	315	23.0
26	1469	4817	3.2	62.32	0.53	4.69	4.81	243.9	463	0.02	391	248.7
27	1500	4920	1.0	45.27	0.42	3.64	3.81	163.9	ndm	0.02	362	167.7
28	1543	5060	5.2	9.88	0.09	1.28	0.57	30.5	460	0.02	309	31.1
29	1595	5230	2.8	2.77	bdl	0.32	0.11	1.8	485	0.06	63	1.9
30	1707	5600	3.6	2.08	0.08	0.76	0.06	1.9	469	0.03	90	1.9
31	1780	5840	7.8	3.95	0.09	0.82	0.13	4.6	465	0.03	117	4.8
32	1817	5960	2.3	2.41	0.12	0.76	0.10	1.6	472	0.06	66	1.7

Pyrolysis run with CDS Pyroprobe and modified interface: TMAX inaccurate.
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%I-C is inorganic carbon as % calcium carbonate in rock.
%O-C is organic carbon as % carbon in rock.
%N is % nitrogen in rock.
%H is % hydrogen in rock.
S1 is pyrolysis free-hydrocarbon signal (mg hydrocarbons/g rock).
S2 is pyrolysis kerogen signal (mg S2 hydrocarbons/g rock).
PI is production index [S1/(S1+S2)].
TMAX is temperature at which S2 signal is maximum (deg C).
HI is hydrogen index (mg hydrocarbons/g O-C).
GP is genetic potential (kg hydrocarbons/ton rock) (S1+S2).
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SUNDAY ISLAND 1
SUN-1

Gippsland Basin   38 42 s. lat.   146 40 e. long.

#	M	FT	%I-C	%O-C	%N	%H	S1	S2	TMAX	PI	HI	GP
1	1082	3550	3.6	4.24	0.08	0.78	0.11	5.7	478	0.02	135	5.9
2	1209	3965	11.3	10.04	0.10	0.94	0.62	11.1	503	0.05	110	11.7
3	1250	4100	16.1	2.79	bdl	0.50	0.09	2.0	477	0.04	73	2.1
4	1326	4350	6.3	1.54	bdl	0.57	0.15	1.8	478	0.07	118	2.0
5	1341	4400	12.4	1.00	bdl	0.53	0.13	0.9	480	0.13	87	1.0
6	1357	4450	2.5	1.38	bdl	0.56	0.14	1.4	481	0.09	102	1.6
7	1482	4860	1.3	2.05	bdl	0.56	0.21	2.5	487	0.08	119	2.7
8	1595	5230	1.8	3.41	0.06	0.70	0.35	4.7	481	0.07	139	5.1
9	1598	5241	bdl	1.02	bdl	0.50	0.08	0.7	487	0.10	73	0.8
10	1677	5500	1.7	3.01	0.07	0.67	0.34	4.0	494	0.08	104	4.3
11	1729	5670	1.1	1.51	bdl	0.59	0.16	1.5	482	0.09	100	1.7

Pyrolysis run with CDS Pyroprobe and modified interface: TMAX inaccurate.
M is sample depth in meters.
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%I-C is inorganic carbon as % calcium carbonate in rock.
%O-C is organic carbon as % carbon in rock.
%N is % nitrogen in rock.
%H is % hydrogen in rock.
S1 is pyrolysis free-hydrocarbon signal (mg hydrocarbons/g rock).
S2 is pyrolysis kerogen signal (mg S2 hydrocarbons/g rock).
PI is production index [S1/(S1+S2)].
TMAX is temperature at which S2 signal is maximum (deg C).
HI is hydrogen index (mg hydrocarbons/g O-C).
GP is genetic potential (kg hydrocarbons/ton rock) (S1+S2).
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'ndm' means 'no definitive maximum'.

TUNA 2
TUN-2

Gippsland Basin 38 10 s. lat. 148 23 e. long.

#	M	FT	%I-C	%O-C	%N	%H	S1	S2	TMAX	PI	HI	GP
1	503	1650	71.0	0.45	bdl	0.24	bdl	bdl	ndm	---	---	---
2	659	2160	68.6	bdl	bdl	0.27	0.16	bdl	ndm	--	---	0.3
3	832	2730	51.9	0.31	bdl	0.43	0.28	0.5	465	0.36	163	0.8
4	1024	3360	42.3	0.35	bdl	0.47	0.16	0.3	464	0.34	88	0.5
5	1159	3800	44.1	0.41	bdl	0.51	0.14	bdl	ndm	---	---	0.3
6	1360	4460	24.9	0.39	bdl	0.26	0.13	bdl	ndm	---	---	0.2
7	1582	5190	0.3	44.16	0.12	3.78	2.50	149.0	457	0.02	337	151.5
8	1619	5310	bdl	64.49	0.52	5.19	8.28	287.0	460	0.03	445	295.3
9	1674	5490	bdl	35.30	0.23	3.43	3.55	179.0	465	0.02	507	182.6
10	1716	5630	1.8	35.69	0.20	2.23	1.57	52.9	465	0.03	148	54.5
11	1759	5770	bdl	64.90	0.40	4.62	5.05	166.0	463	0.03	256	171.1
12	1802	5910	0.5	36.14	0.16	3.16	2.53	132.0	464	0.02	365	134.5
13	1835	6020	bdl	46.40	0.20	3.57	4.43	158.0	457	0.03	341	162.4
14	1854	6080	5.8	16.20	0.05	1.38	0.80	17.0	467	0.05	105	17.8
15	1918	6290	bdl	11.30	bdl	1.48	0.60	22.9	466	0.03	203	23.5
16	1979	6490	bdl	35.60	0.21	3.07	3.24	104.0	466	0.03	292	107.2
17	2034	6670	bdl	28.40	0.17	2.43	1.99	98.2	466	0.02	346	100.2
18	2073	6800	0.7	24.92	0.13	2.23	1.34	80.9	466	0.02	325	82.2
19	2116	6940	0.2	30.87	0.18	2.54	2.79	99.7	466	0.03	323	102.5
20	2171	7120	bdl	11.60	bdl	1.29	0.97	20.3	465	0.05	175	21.3
21	2235	7330	0.4	5.92	bdl	0.95	0.31	7.6	467	0.04	129	8.0
22	2485	8150	bdl	7.38	bdl	1.07	1.42	16.2	466	0.08	220	17.6
23	2537	8320	0.7	15.42	bdl	1.41	2.18	23.1	466	0.09	150	25.3
24	2604	8540	0.2	18.38	0.05	1.65	2.12	21.4	466	0.09	116	23.5
25	2625	8610	3.4	8.30	bdl	0.97	6.31	23.3	472	0.21	281	29.6
26	2698	8850	10.2	6.88	bdl	0.61	0.61	4.3	471	0.12	63	4.9
27	2723	8930	9.8	3.04	bdl	0.62	0.70	3.5	468	0.16	116	4.2
28	2756	9040	3.3	2.68	bdl	0.31	0.68	3.6	467	0.16	135	4.3
29	1381	4530	bdl	1.46	bdl	0.70	0.21	1.0	456	0.18	65	1.2
30	1384	4541	bdl	1.82	bdl	0.84	0.30	1.5	457	0.17	81	1.8
31	2030	6657	bdl	3.66	bdl	0.76	0.29	6.6	467	0.04	180	6.9
32	2036	6678	bdl	5.30	bdl	1.08	0.50	22.6	470	0.02	426	23.1
33	2205	7233	bdl	1.81	bdl	0.60	0.64	2.6	466	0.20	142	3.2
34	2445	8018	bdl	0.94	bdl	0.65	0.21	2.8	477	0.07	298	3.0

Pyrolysis run with CDS Pyroprobe and modified interface: TMAX inaccurate.
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FT is sample depth in feet.
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%O-C is organic carbon as % carbon in rock.
%N is % nitrogen in rock.
%H is % hydrogen in rock.
S1 is pyrolysis free-hydrocarbon signal (mg hydrocarbons/g rock).
S2 is pyrolysis kerogen signal (mg S2 hydrocarbons/g rock).
PI is production index [S1/(S1+S2)].
TMAX is temperature at which S2 signal is maximum (deg C).
HI is hydrogen index (mg hydrocarbons/g O-C).
GP is genetic potential (kg hydrocarbons/ton rock) (S1+S2).
'bdl' means 'below detection limit';   '---' means 'not determined'.
'ndm' means 'no definitive maximum'.

WELLINGTON PARK 1
WEL-1

Gippsland Basin   38 08 s. lat.   147 22 e. long.

#	M	FT	%I-C	%O-C	%N	%H	S1	S2	TMAX	PI	HI	GP
1	1009	3310	4.6	56.35	0.53	4.54	6.39	292.3	449	0.02	514	299.2
2	1037	3400	bdl	63.40	0.58	4.88	10.54	333.2	449	0.03	526	343.7
3	1049	3440	bdl	52.60	0.48	4.09	8.43	284.1	452	0.03	540	292.5
4	1085	3560	bdl	66.60	0.58	5.31	10.84	428.7	449	0.02	644	439.5
5	1110	3640	bdl	58.60	0.56	4.53	9.13	459.5	455	0.02	784	468.7
6	1166	3826	6.5	51.62	0.45	4.18	5.72	264.9	446	0.02	513	270.6
7	1262	4140	23.3	10.00	0.17	1.20	0.63	38.7	468	0.02	387	39.3
8	1296	4250	12.6	23.19	0.25	2.16	1.95	110.3	450	0.02	476	112.2
9	1320	4330	14.7	35.34	0.33	3.18	3.96	195.7	424	0.02	554	199.6
10	1491	4890	6.5	7.13	0.13	0.95	0.79	27.6	430	0.03	387	28.4
11	1503	4930	12.7	5.41	0.11	0.84	0.49	17.0	428	0.03	315	17.5
12	1613	5290	1.2	60.06	0.63	4.98	13.64	304.6	479	0.04	507	318.2
13	1683	5520	4.2	27.50	0.43	2.10	4.96	120.9	467	0.04	440	125.9
14	1790	5870	15.6	0.47	0.05	0.45	0.17	0.3	446	0.35	67	0.5
15	1872	6140	1.5	2.12	0.11	0.61	0.42	3.7	473	0.10	174	4.1
16	1966	6450	5.1	0.93	0.06	0.50	0.69	1.1	472	0.38	119	1.8
17	2098	6880	2.9	1.19	0.09	0.52	0.36	1.8	439	0.16	154	2.2
18	2244	7360	2.0	6.87	0.18	0.93	1.29	18.4	470	0.07	268	19.7
19	2277	7470	2.8	2.39	0.11	0.56	0.47	4.1	446	0.10	141	4.5
20	2384	7820	1.3	1.71	0.08	0.54	0.65	2.3	472	0.22	132	2.9
21	2433	7980	1.7	5.53	0.17	0.82	2.08	13.4	478	0.13	239	15.4
22	2521	8270	1.2	3.42	bdl	0.32	3.06	11.1	478	0.22	324	14.2
23	2607	8550	1.5	2.50	bdl	0.56	0.95	3.2	497	0.23	129	4.2
24	2732	8960	1.2	0.81	bdl	0.46	0.29	0.8	447	0.26	101	1.1
25	2768	9080	0.5	0.20	bdl	0.73	0.28	0.5	477	0.36	247	0.8
26	2887	9470	2.0	0.51	bdl	0.46	0.30	0.5	447	0.37	101	0.8
27	2933	9620	0.9	0.41	bdl	0.43	0.19	0.3	494	0.38	74	0.5
28	3043	9980	0.9	0.78	bdl	0.49	0.19	0.5	487	0.28	64	0.7
29	3110	10200	0.6	0.70	bdl	0.45	0.25	0.4	510	0.37	63	0.7
30	3216	10550	0.6	0.49	bdl	0.43	0.18	0.2	ndm	0.46	45	0.4
31	3314	10870	0.8	0.51	bdl	0.47	0.22	0.5	ndm	0.33	89	0.7
32	3338	10950	1.2	0.53	bdl	0.49	0.38	0.2	ndm	0.62	45	0.6
33	3473	11390	0.4	0.64	bdl	0.43	0.23	0.2	ndm	0.50	35	0.4
34	3490	11447	1.0	0.32	bdl	0.55	0.21	0.3	ndm	0.41	92	0.5
35	3564	11690	1.0	0.34	bdl	0.46	0.23	bdl	ndm	---	---	0.3
36	3659	12001	1.9	0.40	bdl	0.45	0.20	bdl	ndm	---	---	0.2

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TMAX is temperature at which S2 signal is maximum (deg C).
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