

THYLACINE-2

OFFSHORE OTWAY BASIN

PALYNOLOGY REPORT - BASIC DATA

BY

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for **WOODSIDE ENERGY LTD**

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REF:OTW.THYLACINE-2 BASIC REPORT

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INTRODUCTION

Palynological preparations from 45 samples (29 cores, 16 cutting samples) were examined. Organic yields ranged widely from moderate to low. Palynomorph preservation was good throughout. These details are listed on basic data version of Table 1. Quantitative distribution of all taxa are given on the accompanying range chart.

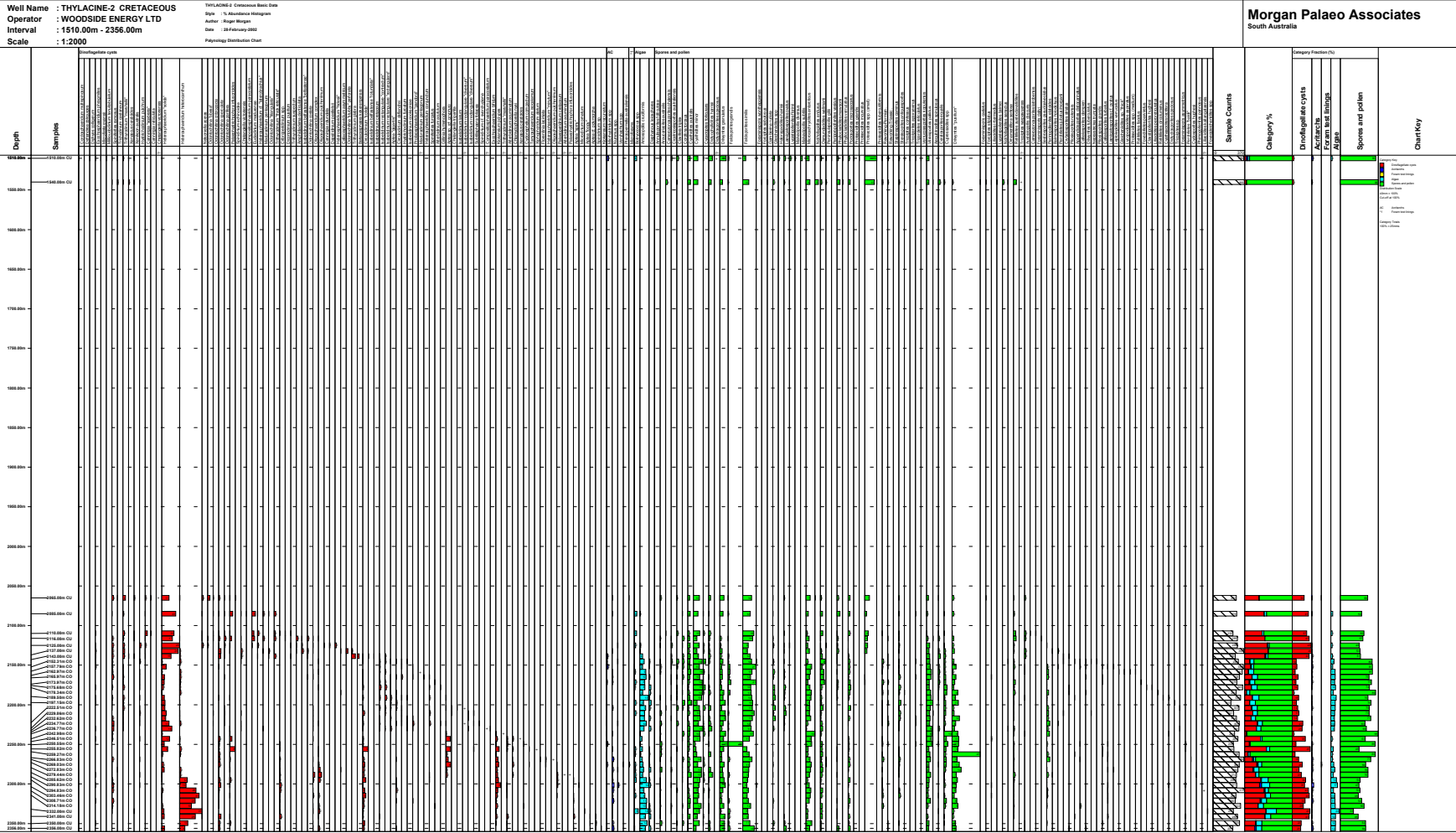


TABLE 1: SUMMARY PALYNOLOGICAL DATA, THYLACINE-2
RT= 25 m

LOG DEPTH [mbRT]	CORE DEPTH [mbRT]	SAMPLE TYPE	ORGANIC YIELD *1	MICROFOSSIL YIELD	PRESERVATION *2	PERCENTAGE			DIVERSITY *3		
						MICROPLANKTON			SPORE-POLLEN	MICROPLANKTON	SPORE-POLLEN
						DINOFLAG.	SPINY AC.	OTHER			
1410/20		CUTTS	0.129	HIGH	EXCELLENT	93	1	0	6	HIGH	MODERATE
1450/60		CUTTS	0.033	MODERATE	EXCELLENT	34	5	5	56	HIGH	HIGH
1470/75		CUTTS	0.198	MODERATE	EXCELLENT	5	3	0	92	LOW	VERY HIGH
1505/10		CUTTS	0.06	MODERATE	GOOD	3	3	4	90	MODERATE	VERY HIGH
1535/40		CUTTS	0.065	MODERATE	GOOD	1	0	3	96	LOW	VERY HIGH
2060/65		CUTTS	0.067	MODERATE	GOOD	30	0	1	69	MODERATE	HIGH
2080/85		CUTTS	0.053	MODERATE	GOOD	41	0	5	54	HIGH	HIGH
2105/10		CUTTS	0.025	MODERATE	GOOD	37	0	3	60	MODERATE	HIGH
2113/16		CUTTS	0.053	MODERATE	GOOD	43	0	0	57	HIGH	HIGH
2122/25		CUTTS	0.071	MODERATE	GOOD	48	<1	2	48	HIGH	HIGH
2134/37		CUTTS	0.065	MODERATE	GOOD	49	0	1	50	HIGH	HIGH
2140 / 43		CUTTS	0.031	LOW	GOOD	43	2	4	51	HIGH	HIGH
2152.31	2150.34	CORE	0.033	LOW	GOOD	10	1	9	80	MODERATE	VERY HIGH
2157.79	2155.82	CORE	0.093	LOW	GOOD	12	2	5	81	MODERATE	HIGH
2162.97	2161.00	CORE	0.085	LOW	GOOD	8	0	11	81	MODERATE	HIGH
2165.97	2164.00	CORE	0.070	LOW	GOOD	15	0	12	73	HIGH	HIGH
2173.97	2172.00	CORE	0.060	LOW	GOOD	9	1	11	79	MODERATE	HIGH
2175.68	2173.71	CORE	0.031	LOW	GOOD	14	0	12	74	MODERATE	HIGH
2178.34	2176.37	CORE	0.100	LOW	GOOD	4	0	7	89	LOW	HIGH
2189.50	2187.53	CORE	0.038	LOW	GOOD	15	0	14	71	MODERATE	HIGH
2197.15	2195.95	CORE	0.028	LOW	GOOD	10	0	12	78	MODERATE	HIGH
2222.51	2220.95	CORE	0.042	LOW	GOOD	14	0	12	74	HIGH	HIGH
2229.86	2228.30	CORE	0.118	LOW	GOOD	17	0	10	73	MODERATE	HIGH
2232.62	2231.06	CORE	0.165	LOW	GOOD	14	0	9	77	MODERATE	HIGH
2234.77	2233.00	CORE	0.157	LOW	GOOD	27	<1	11	62	HIGH	HIGH
2236.77	2235.00	CORE	0.130	LOW	GOOD	25	0	9	66	MODERATE	HIGH
2242.98	2241.47	CORE	0.097	MODERATE	GOOD	4	0	1	95	LOW	MODERATE
2246.51	2245.00	CORE	0.069	MODERATE	GOOD	28	0	4	68	MODERATE	MODERATE
2250.55	2248.73	CORE	0.094	MODERATE	GOOD	9	2	0	89	MODERATE	HIGH
2255.82	2254.00	CORE	0.073	MODERATE	GOOD	41	0	8	51	MODERATE	MODERATE
2259.27	2257.45	CORE	0.100	MODERATE	GOOD	6	0	4	90	MODERATE	HIGH
2266.83	2266.00	CORE	0.063	MODERATE	GOOD	13	0	7	80	HIGH	HIGH
2269.03	2268.20	CORE	0.045	MODERATE	GOOD	19	1	10	70	HIGH	MODERATE
2272.83	2272.00	CORE	0.061	MODERATE	GOOD	16	<1	13	71	HIGH	HIGH
2279.44	2278.61	CORE	0.059	MODERATE	GOOD	21	0	7	72	MODERATE	HIGH
2285.62	2284.79	CORE	0.050	MODERATE	GOOD	34	0	15	51	MODERATE	MODERATE
2290.83	2290.00	CORE	0.093	HIGH	GOOD	31	2	20	47	HIGH	HIGH
2294.83	2294.00	CORE	0.092	HIGH	GOOD	41	0	9	50	MODERATE	HIGH
2303.46	2302.63	CORE	0.197	HIGH	GOOD	43	0	11	46	MODERATE	HIGH
2308.71	2307.88	CORE	0.060	HIGH	GOOD	33	0	13	54	MODERATE	HIGH
2314.18	2313.35	CORE	0.062	HIGH	GOOD	28	0	12	60	MODERATE	HIGH
2323/32		CUTTS	0.03	HIGH	EXCELLENT	45	0	22	33	MODERATE	MODERATE
2332/41		CUTTS	0.064	HIGH	EXCELLENT	43	0	12	45	MODERATE	HIGH
2341/50		CUTTS	0.068	HIGH	EXCELLENT	23	0	13	64	MODERATE	HIGH
2350/56		CUTTS	0.046	HIGH	EXCELLENT	21	0	14	65	MODERATE	HIGH

*1 ORGANIC YLD=VOL(cc)/WGHT(g)	*2 NOTE-PRESERVATION (FRAGMENTATION INDEX)	*3 DIVERSITY
<0.01 : EXTREMELY LOW		V HIGH 30+ SPECIES
0.01 - 0.10 : LOW	1 = SUPERB	HIGH 20-29 SPECIES
0.1 - 0.5 : MODERATE	2 = EXCELLENT	MOD 10-19 SPECIES
>0.5 : HIGH	3 = GOOD	LOW 5-9 SPECIES
	4 = FAIR	EX LOW 1-4 SPECIES
	5 = POOR	

TABLE 2: SUMMARY OF SAMPLE LITHOLOGIES, THYLACINE-2
RT= 25 m

LOG DEPTH [mbRT]	CORE DEPTH [mbRT]	SAMPLE TYPE	LITHOLOGY
1410/20		CUTTS	MED GY SLTST
1450/60		CUTTS	MED GY SLTST/SST
1470/75		CUTTS	DK GY SLTST
1505/10		CUTTS	MED GY SLTST
1535/40		CUTTS	MED GY SLTST
2040/43		CUTTS	MED GY SLTST
2060/65		CUTTS	MED GY SLTST
2080/85		CUTTS	MED GY SLTST [above casing]
2105/10		CUTTS	MED GY SLTST [below casing]
2113/16		CUTTS	MED DK GY SLTST
2122/25		CUTTS	MED DK GY SLTST
2134/37		CUTTS	MED DK GY SLTST
2152.31	2150.34	CORE	LT GY SILT SST., COARSELY BIOTURB.
2157.79	2155.82	CORE	MED GY SLTST., LAMINATED, BIOTURB.
2162.97	2161.00	CORE	MED GY SLTST., LAMINATED, BIOTURB.
2165.97	2164.00	CORE	MED GY SLTST., LAMINATED, BIOTURB.
2173.97	2172.00	CORE	MED GY SLTST., LAMINATED, BIOTURB.
2175.68	2173.71	CORE	MED GY SANDY SLTST., LAMINATED, BIOTURB.
2178.34	2176.37	CORE	DK GY SLTST., LAMINATED, 5 CM BAND
2189.50	2187.53	CORE	DK GY SILTY SST., LAMINATED, 30 CM BAND
2197.15	2195.95	CORE	DK GY SILTY SST., LAMINATED, 30 CM BAND
2222.51	2220.95	CORE	DK GY SILTY SST., LAMINATED, 10 CM BAND
2229.86	2228.30	CORE	DK GY SLTST., LAMINATED, 10 CM BAND
2232.62	2231.06	CORE	DK GY SLTST., TOP OF MASSIVE INTERVAL
2234.77	2233.00	CORE	DK GY CLYST; MASSIVE
2236.77	2235.00	CORE	DK GY CLYST; MASSIVE
2242.98	2241.47	CORE	DK GY SLTST, F. LAM.
2246.51	2245.00	CORE	DK GY CLYST; MASSIVE
2250.55	2248.73	CORE	DK GY SLTST, COARSELY BIOTURB.
2255.82	2254.00	CORE	DK GY SLTST, COARSELY BIOTURB.
2259.27	2257.45	CORE	DK GY SLTST, FINELY BIOTURB.
2266.83	2266.00	CORE	DK GY SLTST, LAMINATED
2269.03	2268.20	CORE	DK GY SLTST, COARSELY BIOTURB.
2272.83	2272.00	CORE	DK GY SLTST
2279.44	2278.61	CORE	DK GY SLTST, FINELY BIOTURB.
2285.62	2284.79	CORE	DK GY SLTST, COARSELY BIOTURB.
2290.83	2290.00	CORE	DK GY SLTST, FINELY BIOTURB.
2294.83	2294.00	CORE	DK GY SLTST, FINELY BIOTURB.
2303.46	2302.63	CORE	DK GY SLTST, COARSELY BIOTURB., LAM.
2308.71	2307.88	CORE	DK GY SLTST, COARSELY BIOTURB.
2314.18	2313.35	CORE	DK GY SLTST, COARSELY BIOTURB., LAM.
2323/32		CUTTS	MED GY SLTST
2332/41		CUTTS	MED DK GY SLTST
2341/50		CUTTS	MED DK GY SLTST/SST
2350/56		CUTTS	MED DK GY SLTST/SST

