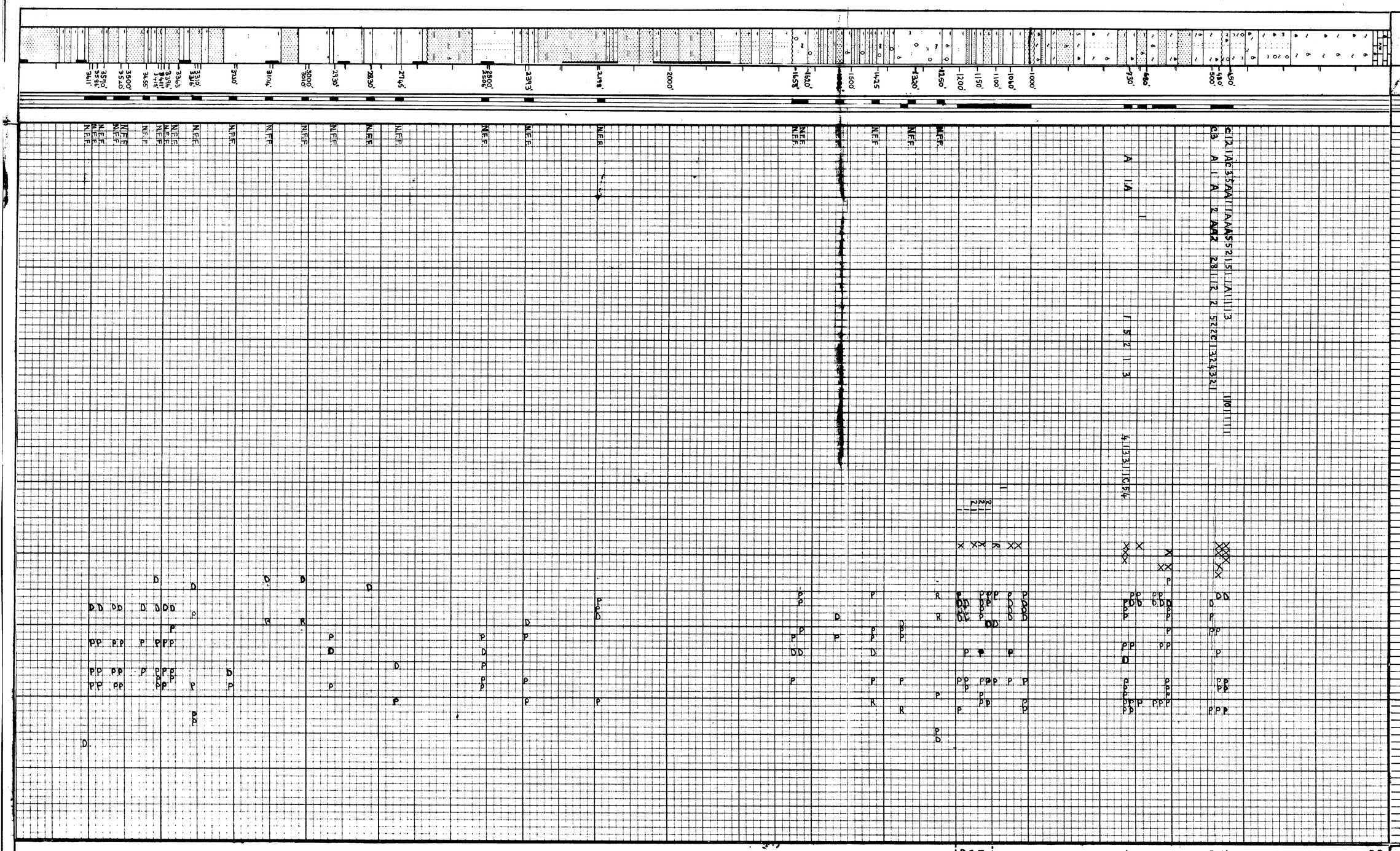

INTERPRETED LITHOLOG

DEPTH IN FEET

SAMPLE TYPE 1 = CORE SAMPLE 2 = SIDEWALL SAMPLE 3 = DITCH CUTTING 4 = SURFACE SAMPLE

NO	TYPE	GENUS	SPECIES
1		ANOMALINOIDES	MACROGLABRA
2		ANOMOSPHAEROIDINA	SP.
3		ASTRONONION	CENTROPLAX
4		BOLIVINA	ROBUSTA
5		BULIMINA	GLOBULOSA
6		CIBICIDES	SP?
7		CIBICIDOIDES	BERTRUMI
8		CRISTELLARIA	DENTICULOTI
9		CYCLAMMINA	PERFORATUS
10		CYCLOCIBICIDES	LOBATULUS
11		GAUDRYINA	PYGMOIDENSIS
12		GLOBIGERINA	PRAEBULLOIDES
13		GLOBIGERINA	TRIPERTITA
14		GLOBIGERINA	BULLOIDES
15		GLOBIGERINA	WOODI WOODI
16		GLOBIGERINA	WOODI CONNECTA
17		GLOBIGERINA	WILLISTONI
18		GLOBIGERINOIDES	TRILOBUS
19		HORMOSINELLA	LINGULATA
20		HYPERAMMINA	SPP
21		LAGENA	SPP
22		LENTICULINA	BULLOIDES
23		MARGINULINA	SPP
24		MILIOLINELLA	SPP
25		NODOSARIA	RADYI
26		NONION	BULLOIDES
27		PLECTINA	DECORATA
28		PSEUDOBOLIVINA	SPP
29		QUINQUELOCULINA	SPP
30		REOPHAX	SPP
31		SPIROPLECTAMMINA	BIFORMIS
32		SPIROPLECTINATA	ANNECTENS
33		TEXTULARIA	SPP
34		TRILOCULINA	SPP
35		VALVULINERIA	SPP
36		VERNEUILINA	SPP
37		ZONE	SPP
38		ZONE	SPP
39		ZONE	SPP
40		ZONE	SPP
41		ZONE	SPP
42		ZONE	SPP
43		ZONE	SPP
44		ZONE	SPP
45		ZONE	SPP
46		ZONE	SPP
47		ZONE	SPP
48		ZONE	SPP
49		ZONE	SPP
50		ZONE	SPP
51		ZONE	SPP
52		ZONE	SPP
53		ZONE	SPP
54		ZONE	SPP
55		ZONE	SPP
56			
57			
58			
59		MOLLUSCAN	FRAGMENTS
60		BRYOZOAN	FRAGMENTS
61		ECHINOID	FRAGMENTS
62		GASTROPODA	
63		OSTRACODA	
64		SANDSTONE - FINE BROWN - GREEN	
65		SILTSTONE - GREENISH - GREY	
66		LITHICS	
67		QUARTZ - COARSE (SUB ANGULAR - ROUNDED)	
68		QUARTZ - MEDIUM LANGULAR - SUB ANGULAR)	
69		QUARTZ - FINE LANGULAR - SUB ANGULAR)	
70		QUARTZ - CLEAR LANG - ULARJ	
71		QUARTZ - ORANGE (ANGULAR - ROUND)	
72		QUARTZ - SMOKEY	
73		QUARTZ - MILKY	
74		QUARTZ - VERY FINE (SUB ANGULAR - SUB ROUNDED)	
75		MUDSTONE - BROWN - GREY	
76		SANDSTONE - FORDUSE FINE ANGULAR QUARTZ	
77		QUARTZ - OPAQUE - FINE ANGULAR)	
78		MICA - MUSCOVITE	
79		MICA - BIOTITE	
80		LIMONITE	
81		PYRITE	
82		GLAUCONITE - PELLETS	
83		COAL FRAGMENTS	
84		SUCKERCINED GRAINS	
85		GLAUCONITIC CLAY	
86		GREENSAND	
87		SANDSTONE - MEDIUM	FRAGMENTS
88			
89			
90			
91			
92			
93			
94			
95			
96			
97			
98			
99			
100			

INDEX	NO
ALABAMINA TENUIMARGINATA	38
AMMOSPHAEROIDINA CENTROPLAX	41
ANGLOGENERINA OTOTARA	42
ANOMALINOIDES MACROGLABRA	1
ASTRONONION CENTROPLAX	3
BOLIVINA ROBUSTA	4
CASSIDULINA SUBGLOBOSA	5
CIBICIDOIDES SPP	6
CERROTINA BARTRUMI	7
C. KARRERIOIDES	8
CHILOGUEMBELINA CUBENSIS	43
CIBICIDES BREVORALIS	9
C. LOBATULUS	10
C. PERFORATUS	11
C. THIELE	50
C. WILLISTONI	12
DISSOPULVINULINA BERTHELOTI	44
EPISTOMINELLA SPP	45
FINLAYINA NEOZEALANDICA	46
GAUDRYINA PYGMOIDENSIS	47
GLOBIGERINA PRAEBULLOIDES	48
G. APERTURA	14
G. BULLOIDES	15
G. LINGUAENSIS	49
G. PSEUDOAMPLIAPERTURA	52
G. WOODI CONNECTA	16
G. WOODI WOODI	17
GLOBIGERAPSIS INDEX	53
GLORIGERINOIDES BISPHERICUS	54
G. SACCULIFER	18
GLOBOQUADRINA ALTISPIRA	55
G. DEHISCENS	56
GLOBULINA GIBBA GLOBOSA	30
GUTTULINA PROBLEMA	32
GYROIDINOIDES ZEALANDICA	57
HAPLOPHRAGMOIDES SCINCISA	58
HERONALLENIA LINGULATA	59
KARRERIELLA CHAPMANI	34
KARRERIA HORIDA	60
K. PSEUDOCONVEXA	61
LENTICULINA SPP	35
LENTICULINA SPP.	20
NODOSARIA SPP	19
NODOSARIELLA CRASSIMURRA	36
PULLENIA BULLOIDES	62
PYRGO SPP	63
QUINQUELOCULINA SPP	64
ROBERTINA SPP	37
ROSALINA RADYI	24
SPIROPLECTINA BULLOIDES	65
SPIRILLINA DECORATA	66
TRILOCULINA SPP	67
VAGINULINOPSIS GODLANDICA	68
GYROIDINOIDES OCTOCAMERATA	55

ZONATION	PALAEONTOLOGY
AGE	
ZONATION	MICROPLANKTON
AGE	
ZONATION	SPOROMORPHS
AGE	
ERATHEM	TIME STRATIGRAPHY
SYSTEM	
SERIES	
STAGE	

R,S,T	L	F-H	A?			
EARLY EOCENE	LATE EOCENE	EARLY MIOCENE	?PLIOCENE			
ALBIAN - CAMPANIAN		PALEOCENE				
C. PARADOXA	?COPT. PARADOXA	TRICOLPITES PANNOSUS	TRICOLP. PACHYEXIN.	LYGISTEPOLLEN. BALMEI		
			SANTONIAN - CONIACIAN	UPPER PALEOCENE		
MESOZOIC				CAINOZOIC		
CRETACEOUS				TERTIARY		
LOWER	UPPER			UPPER PALEOCENE	EARLY EOCENE LATE	MIOCENE PLIOCENE
ALBIAN	SANTONIAN - CONIACIAN					

DEPOSITIONAL ENVIRONMENT (PALAEONTOLOGY)

DELTAIC	LAGOONAL INGRESSION	DELTAIC	INTERTIDAL DELTAIC	INNER CONTINENTAL SHELF → TRANSGRESSIVE		
CONTINENTAL	MARGINAL MARINE INFLUENCES	NEARSHORE FACIES	LAGOONAL - NEARSHORE FACIES			

DEPOSITIONAL ENVIRONMENT (PALYNOLOGY)

REMARKS

- NO AGE DETERMINATIONS ON MICROFORAMS BELOW 1200'.
- NO AGE DETERMINATIONS ON PALYNOMORPHS ABOVE 1350' (HIGHEST SIDEWALL SAMPLE).
- NO SIDEWALL SAMPLES BELOW 3611' WERE EXAMINED FOR MICROFORAMS.

- FAUNAS BETWEEN 100' AND 200' PROBABLY ASSOCIATED WITH THE 'RIVERTON' INGRESSIVE EVENT AT THE BASE OF THE EARLY EOCENE.

LEGEND

D = MAIN COMPONENT
A = ABUNDANT (MORE THAN 10)
C = COMMON
P = PRESENT MINERALS
X = PRESENT FAUNA + FLORA
R = RARE
NFF = NO FAUNAS FOUND

TOTAL DEPTH 12005'

DEPT. MNT. RES. & ENV. PE900508

SHELL DEVELOPMENT (AUSTRALIA) PTY. LTD.

OTWAY BASIN

ROSS CREEK-1

DISTRIBUTION CHART

MICROFAUNAS

Author: D.J. Taylor | Date: July 1974

Scale 1:2400

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