

# SUNFISH-2

Location: Offshore Gippsland Basin  
 Latitude: 38 08 23.49 S  
 Longitude: 148 14 40.31 E

Water Depth = 59 m  
 Total Depth Drilled (KB) = 2647 m; Depth Logged (KB) = 2643.988 m  
 KB Elevation = 21 m amsl

Seismic line reference:

Completed October 14, 1983 by Esso Australia Ltd.  
 Status = Plugged & abandoned

Lithostratigraphy by Tom Bernecker (1997)  
 Lithological interpretation by Karina Jonasson (1998)  
 Palynology by M.K. Macphail (1984)  
 Produced by the Basin Studies Group 05-Jun-200



## Lithological legend

Carbonate Lithotypes	Siliciclastic Lithotypes	Others
Limestone	Conglomerate	l'bedded sandstone & mudstone
Limestone, sandy	Sandstone, pebbly	Siltstone
Limestone, dolomitic	Sandstone	Mudstone (shale)
Dolomite	Sandstone, calcareous	Mudstone, calcareous
Dolomite, calcareous	Sandstone, argillaceous	Claystone
Marl	Sandstone, glauconitic	Coal
	"Greensand"	

## Accessory minerals legend

C - carbonaceous debris	trace	common
P - pyrite	minor	abundant
G - glauconite		
M - mica		

Arrowheads indicate SWC range & abundance  
 Patterns indicate cuttings/core range & abundance

## Pristane/Phytane Legend

< 1.5 Anoxic - Subaqueous (lacustrine or marine)
1.5 - 3.0 Trans - Transitional environment
> 3.0 Oxidic - Subaerial environment

N.B. Not all lithological patterns in the legend have been used in this wellsheet.

## Palynological scheme legend

SPORE-POLLEN:	DINOFAGELLATES:
T. be = T. bellus	C. in = C. incompositum
P. tu = P. tuberculatus	D. ho = D. heterophlyctia
N. as = N. asperus	A. hy = A. hyperacantha
P. as = P. asperoporus	A. ho = A. homomorphom
M. di = M. diversus	E. cr = E. crassitabulata
L. ba = L. ballmii	T. ev = T. evittii
F. lo = F. longus	M. dr = M. druggii
T. li = T. lilliei	L. ko = L. korjenense
N. se = N. senectus	X. au = X. australis
T. ap = T. apoxyxinus	N. ac = N. aceras
P. ma = P. mawsonii	I. ro = I. rotundatum
H. un = H. uniformis (A. di = A. distocarinatus)	L. cr = L. cretaceum
P. pa = P. pannosus	O. po = O. porifera
C. pa = C. paradoxia	C. st = C. striatococcus
C. st = C. striatus	P. in = P. infusoides
C. hu = C. hughesii	
P. no = P. notensis	
F. wo = F. worthaggenensis	
C. au = C. australiensis	
R. wa = R. watheroensis	

## Palynologists' environments legend

nm - non marine	mm - marginal marine
lac - lacustrine	ns - nearshore marine
est - estuarine	om - offshore marine

N.B. Not all palynological zones in the legend have been used in this wellsheet.  
 N.B. Environments are based on spore-pollen/dino ratios.

## Hydrocarbon shows/tests legend

Gas show (weak)
Gas show (strong)
Gas zone
Oil show (weak)
Oil show (strong)
Oil zone
Oil/gas show (weak)
Oil/gas show (strong)
Oil fluorescence
CO <sub>2</sub> zone
RFT test

N.B. Not all hydrocarbon symbols in the legend have been used in this wellsheet.

