

TABLE 5.2 ESTIMATED PRESENT DAY TEMPERATURE GRADIENT

WELL	$^{\circ}\text{C}/\text{km.}$ This author (X_i)	Nicholas & Others 1981	z_i	ESTIMATE RELIABILITY
AROO-1	39.1	30.7	0.21	GOOD
BASS-1	42.0	34.7	1.05	POOR
2	41.1	31.8	0.80	POOR
3	41.5	34.1	0.90	POOR
CORMORANT-1	41.5	30.6*	0.90	POOR
DONDU-1	40.1	41.7*	0.51	FAIR
DURROON-1	36.1	28.4*	-0.68	GOOD
KONKON-1	42.0	46.2*	1.05	POOR
NANGKERO-1	32.5	30.6*	-1.72	FAIR
NARIMBA-1	38.6	34.0	0.06	GOOD
PELICAN-1	35.7	32.5*	-0.78	FAIR
2	33.4	26.7*	-1.47	POOR
3	32.2	28	-1.82	FAIR
4	40.5	NA	0.60	GOOD
PIPIPA-1	41.0	NA	0.74	FAIR
POONBOON-1	34.9	27	-1.03	FAIR
TAROOK-1	40.1	30.6*	0.51	FAIR
TOOLKA-1	35.7	34.6*	-0.78	FAIR
YURONGI-1	41.6	40.6*	0.93	GOOD
MEAN (\bar{x})	38.4	33.1		X
S.D. (s)	3.4	5.4		

$$z_i = (X_i - \bar{X})/S$$

ESTIMATED SURFACE TEMPERATURE = $40^{\circ}\text{F} = 4.44^{\circ}\text{C}$.

NA = Not available

* = Extrapolated from Horner plot method.