1:20,000 EAST TYNDALL I.P. ANOMALIES

TCR 94-3581
TYNDALL PROJECT
EL 9/66 10/69 14/71 41/71

109

Note: Hallof's (1968) zones C4 and E are probably incorrect: a more likely correlation of anomalies is shown by the gradient array chargeable zone, lines 34N to 40N.

Note: Anomalies on lines 00 to 18S on Basin Lake grid should overlap those on the East Tyndall grid: discrepancies are due to gridding inaccuracies etc.

5362000mN
5358000mN
5354000mN
375000mE
380000mE

Howard's Road
Power Line
Lake Julia
River
Henty
Bradshaw's Road
Lake Tyndall
Basin Lake

HFZ7 HFZ8 E C4 D C3 C2 C1 A B

40N 38N 36N 34N 32N 30N 29·6N 29·2N 28N 27·6N 27·3N 27N 26·8N 26·6N 26·4N 26N 25N 24·5N 24N 23·7N 23·4N 23N 22·5N 22·2N 22N 21·9N 21·6N 21·3N 21N 20·6N 20·2N 20N 19·7N 19·4N 19N 18N 17N 16N 15N 14N 12N 10N 9N 8N 7N 6N 5N 4N 3N 2N 1N 00 1S 2S 3S 4S 5S 6S 7S 8S 9S 10S 12S 14S 15S 16S 18S 19S 20S 21S 22S 23S 24S 25S 26S 27S 28S 29S 30S 31S 33S 36S 42S 48S 54S 60S 66S 69S 72S 75S 78S 80S 82S 84S 90S 96S

HA1 HA2 HA3 HA4 HA5 HA6 TYN1 TYN2 TYN3 BL1 BL2 BL3 BL4 BL801 BL802

East Tyndall and Howard's Anomaly
— chargeability contour outlined is 30mv/v.

— gradient array chargeability contour
— · — gradient array chargeability 'bar' anomaly
▬ ▪ stronger/weaker gradient array anomalous chargeability zone (lines 34N to 40N)

— ▪ · McPhar 1967 definite/probable-possible anomalies
● McPhar 1968 detail anomalies
▭ other dipole-dipole and pole-dipole anomalies
(C2) Anomalous zone from McPhar 1967-68 dipole-dipole IP Hallof (1968) Interpretation

Basin Lake
— chargeability contour outlined 30ms (no. 5, 20ms)
— — PFE = 5% contour for n=4, 300ft dipole (Pickands Mather)

5 cm

Ref: ML/MG81/13

MITRE GEOPHYSICS PTY. LTD.

EAST TYNDALL & BASIN LAKE GRIDS

IP ANOMALIES

A2-192-10

DRAWN: J.B.	SCALE: 1:20,000	FIG. 5a
TRACED: T.G.D.S.	DATE: April 1982	