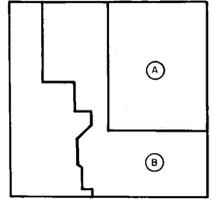


(A) SURVEY BY GEDEX PTY LTD FOR MCINTYRE MINES (AUST) PTY LTD  
JAN 1978

(B) SURVEY BY GEDEX PTY LTD FOR COMALCO LTD MARCH 1979



**SURVEY SPECIFICATIONS**

PLANE: BELL 208B HELICOPTER

MAGNETOMETER: VARIAN 4537A PROTON PRECESSION  
USING TOWED BIRD CONFIGURATION WITH 30m CABLE

DIURNAL RECORDER: GEOMETRICS 6806 PROTON PRECESSION MAGNETOMETER  
WITH CHESSER RECORDER AND CRYSTAL CLOCK

ALTIMETER: BRONZER MA 10

ANCILLIARY EQUIPMENT: GEDEX INTERVALOMETER  
GEDEX FILM DIGITAL RECORDER  
CENTURY 444 6 CHANNEL ANALOGUE LIGHT BEAM RECORDER

READING INTERVAL: VINTEN 16mm GROUND TRACKING CAMERA  
1.0 SECONDS

NOMINAL AIRCRAFT SPEED: 60 KNOTS

NOMINAL AIRCRAFT SURVEY ALTITUDE: 90 METRES

SENSOR CLEARANCE: 75 METRES

CONTOUR INTERVAL: 10 nT

**SURVEY SPECIFICATIONS**

PLANE: BELL 208 B

MAGNETOMETER: VARIAN 4537A PROTON PRECESSION  
USING TOWED BIRD CONFIGURATION WITH 30m CABLE

DIURNAL RECORDER: GEOMETRICS 6826 PROTON PRECESSION MAGNETOMETER  
WITH RUSTRAK RECORDER AND CRYSTAL CLOCK

ALTIMETER: BRONZER TRANTO

ANCILLIARY EQUIPMENT: GEDEX INTERVALOMETER  
GEDEX DIGITAL ACQUISITION SYSTEM  
CENTURY 444 7 CHANNEL ANALOGUE LIGHT BEAM RECORDER

READING INTERVAL: 0 SECONDS

NOMINAL AIRCRAFT SPEED: 60 KNOTS

NOMINAL AIRCRAFT SURVEY ALTITUDE: 90 METRES

SENSOR CLEARANCE: 75 METRES

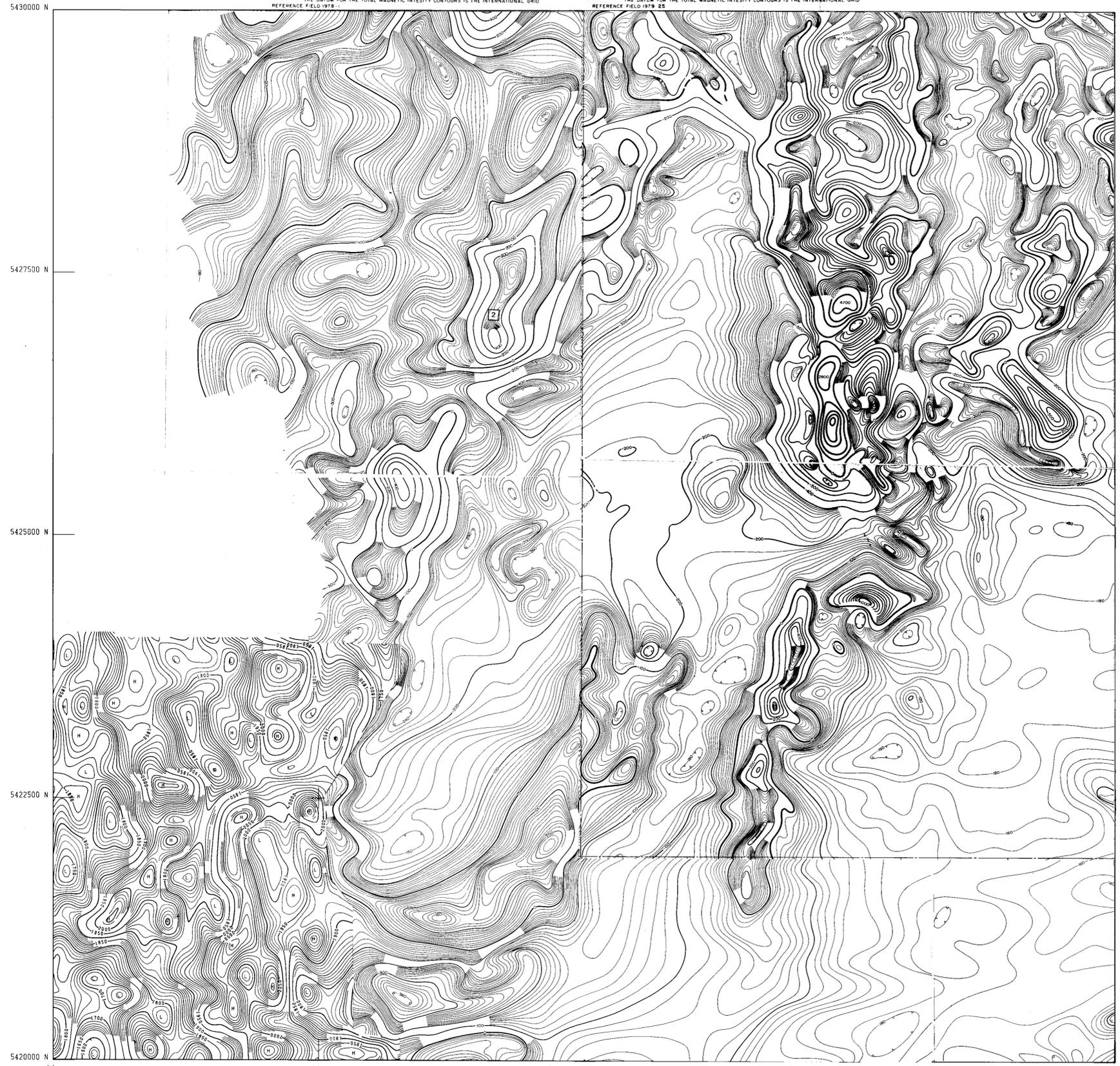
CONTOUR INTERVAL: 10 nT

THE DATA HAS BEEN ADJUSTED FOR DIURNAL VARIATION WITH AN ADOPTED VALUE OF 62255 GAMMAS  
AT THE DIURNAL BASE STATION SITUATED AT WYNHARD AERODROME, 40°59' S & 145°43'34" E. THE SENSOR  
HEIGHT WAS 3m

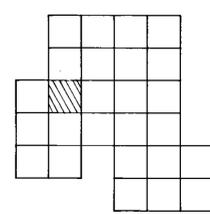
THE DATUM FOR THE TOTAL MAGNETIC INTENSITY CONTOURS IS THE INTERNATIONAL GRID  
REFERENCE FIELD 1978

THE DATA HAS BEEN ADJUSTED FOR DIURNAL VARIATION WITH AN ADOPTED VALUE OF 62255 GAMMAS  
AT THE DIURNAL BASE STATION SITUATED AT WYNHARD AERODROME, 40°59' S & 145°43'34" E. THE SENSOR  
HEIGHT WAS 2m

THE DATUM FOR THE TOTAL MAGNETIC INTENSITY CONTOURS IS THE INTERNATIONAL GRID  
REFERENCE FIELD 1978



20/3942



**AIRBORNE SURVEY SPECIFICATIONS**

MAGNETOMETER : G-803 PROTON PRECESSION RECORDING TO 1.0 nT

SPECTROMETER : EXPLORANIUM DCRS, VOLUME 1024 cu in

DATA RECORDING : ALL DIGITAL TO MAGNETIC TAPE, ANALOGUE ON ACM-6

DATA RECORDING INTERVAL : 1.0 SEC., APPROX 36M LINEAR SAMPLING  
AT MEAN GROUND SPEED OF 60 KNOTS

FLIGHT PATH RECORD : HULCHER 35mm TRACKING CAMERA

DETECTOR TERRAIN CLEARANCE : SPECTROMETER IN AIRCRAFT AT 100 metres MTC  
MAGNETOMETER SENSOR IN TOWED BIRD  
CABLE LENGTH 30 metres

NOMINAL FLIGHT LINE SPACING : 250m N-S and E-W, TIES 2.5km

FLIGHT LINE RECOVERY : VISUALLY TO ENLARGED AC9 PHOTOGRAPHY AT 1:20000  
AND 1:30000

**PROCESSING SPECIFICATIONS**

IGRF : REMOVED, DATUM 2000 NT ADDED

RADIOMETRIC CORRECTIONS : COMPTON  
BACKGROUND  
ALTITUDE

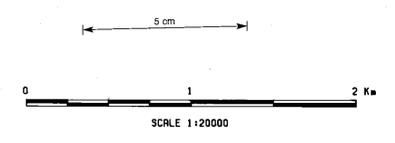
GRID MESH : 50m by 50m

CONTOUR INTERVAL : 10 nT

HORIZONTAL SCALE 1 : 20000

SHEET 20/3942

GRID NOTATION REFERS TO AUSTRALIAN MAP GRID



FLOWN BY GEOMETRICS INT CORP  
JOB NO : 9221, FLOWN : MARCH - APRIL 1980  
COMPILED BY ENGINEERING COMPUTER SERVICES PTY LTD

SHELL MINERALS (AUST)

MOINA - HOusetop TASMANIA  
RESIDUAL MAGNETIC CONTOURS  
SHEET 20/3942

PROJ. NO. MZ 01/1014      DATE:      03-NOV-80