

⑧ SURVEY BY GEDEX PTY LTD FOR COMALCO LTD MARCH 1979

⑧ SURVEY SPECIFICATIONS

AIRCRAFT BELL 206 B

MAGNETOMETER VARIAN 4937 A PROTON PRECESSION USING TOWED BIRD CONFIGURATION WITH 37m CABLE

DIURNAL RECORDER GEOMETRICS 8826 PROTON PRECESSION MAGNETOMETER WITH RUSTRAK RECORDER AND CRYSTAL CLOCK

ALTIMETER BRONZER 788-70

ANCILLIARY EQUIPMENT GEDEX INTERWALLMETER GEDEX DIGITAL ACQUISITION SYSTEM CENTURY 444 7 CHANNEL ANALOGUE LIGHT BEAM RECORDER VINTEN 16mm GROUND TRACKING CAMERA

READING INTERVAL 1.0 SECONDS

NOMINAL AIRCRAFT SPEED 60 KNOTS

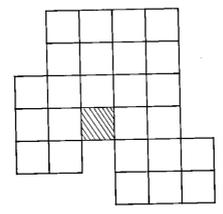
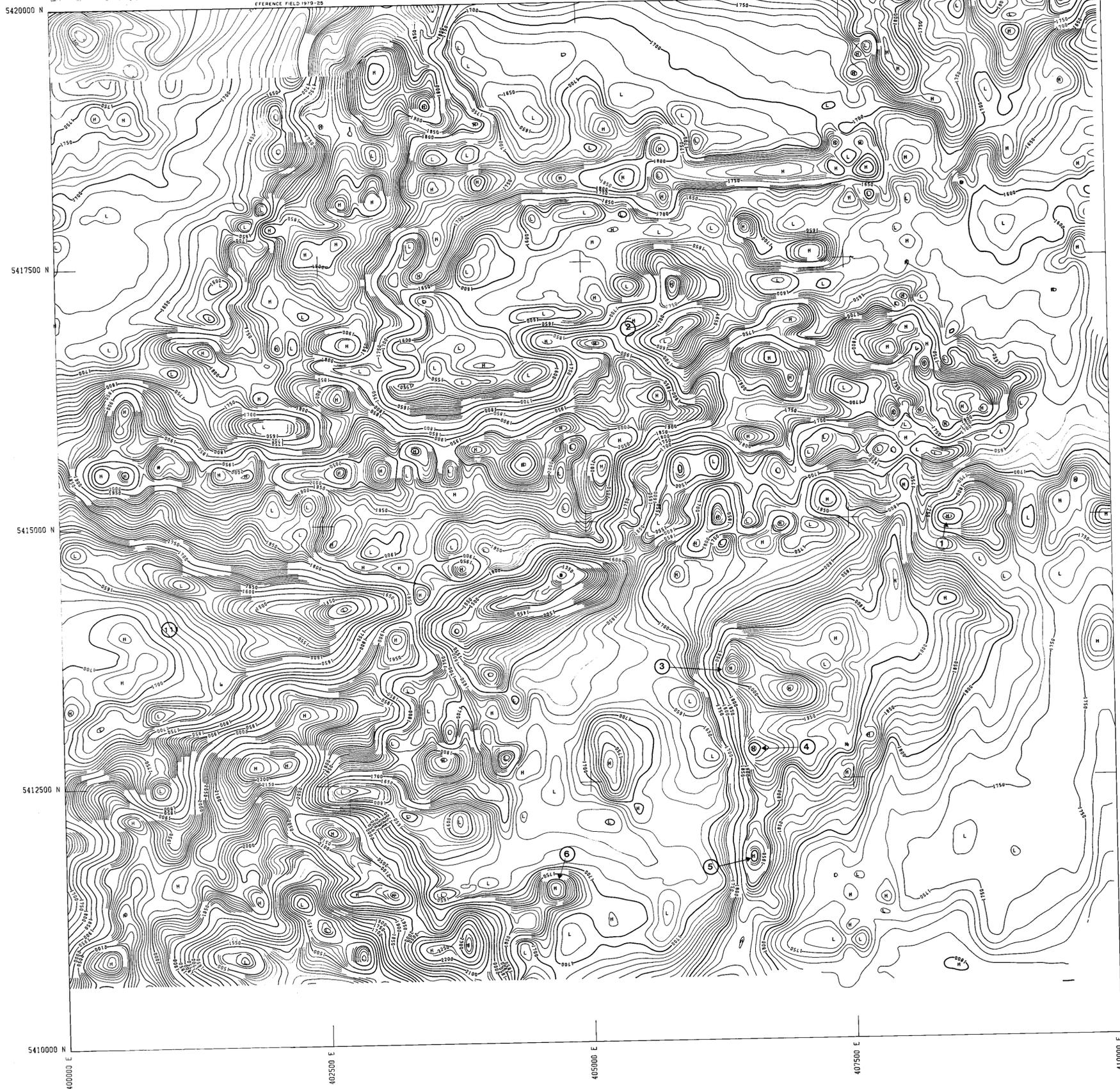
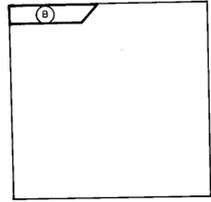
NOMINAL AIRCRAFT SURVEY ALTITUDE 90 METRES

CONTOUR INTERVAL 10 NT

THE DATA HAS BEEN ADJUSTED FOR DIURNAL VARIATION WITH AN ADOPTED VALUE OF 8225 GAMMAS

THE DIURNAL BASE STATION SITUATED AT WYVARD AERODROME 40°59' 51" S & 145°43' 34" E THE SENSOR HEIGHT WAS 2 m

THE DATUM FOR THE TOTAL MAGNETIC INTENSITY CONTOURS IS THE INTERNATIONAL GRID REFERENCE FIELD 1975-25



AIRBORNE SURVEY SPECIFICATIONS

MAGNETOMETER : G-803 PROTON PRECESSION RECORDING TO 1.0 nT

SPECTROMETER : EXPLORANUM DCAS, 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 ACS PHOTOGRAPHY AT 1:20000 AND 1:30000

PROCESSING SPECIFICATIONS

IGRF : REMOVED, DATUM 2000 NT ADDED

RADIOMETRIC CORRECTIONS : COMPTON BACKGROUND ALTITUDE

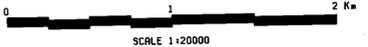
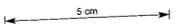
GRID MESH : 50m by 50m

CONTOUR INTERVAL : 10 nT

HORIZONTAL SCALE 1 : 20000

SHEET 20/4041

GRID NOTATION REFERS TO AUSTRALIAN MAP GRID



SCALE 1:20000

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

SHELL MINERALS (AUST)

MOINA - HOUSETOP TASMANIA
 RESIDUAL MAGNETIC CONTOURS
 SHEET 20/4041