

CAVE HILL-COWAN-YARDINA AREA
GEOLOGICAL SURVEY OF WESTERN AUSTRALIA

DEPARTMENT OF MINES

1:100 000



AIRBORNE SURVEY SPECIFICATIONS

- MAGNETOMETER : GEOMETRICS G-813 HIGH PERFORMANCE
MAGNETOMETER RESOLUTION : 0.01 nT.
CYCLE RATE : 0.31 seconds.
SAMPLE INTERVAL : 17 metres.
- SPECTROMETER : GEOMETRICS GR800B 256 CHANNEL.
SPECTROMETER OPERATING IN 4 CHANNELS
GEOMETRICS DET 1024 SODIUM-IODIDE
CRYSTAL SENSOR SYSTEM (Vol : 1024 eu in)
- DATA ACQUISITION : HEWLETT PACKARD 9825 COMPUTER.
HEWLETT PACKARD 9875 CARTRIDGE TAPE UNIT.
AERODATA DIGITAL ACQUISITION SYSTEM.
- FLIGHT LINE SPACING : Traverse lines: 200 metres.
Line lines: 2500 metres.
- FLIGHT LINE DIRECTION : Traverse lines: 090-270 degrees.
Line lines: 000-180, 180-340 degrees.
- SURVEY HEIGHT : 60 metres - Mean terrain clearance.
- FLIGHT PATH RECOVERY : On to A.M.G. controlled photography.
- RECOVERY INTERVAL : Traverse lines : Every 750 metres.
Line lines : Every 1000 metres

REFERENCE

CONTOUR INTERVAL - 25 nano Tesla
Magnetic contour values follow convention of
reading from LOW to HIGH intensity.
The magnetic data has been adjusted for
diurnal variation to a constant base value
by use of a base station at NORSEMAN.
Data has been corrected for system parallax
and the IGRF effect has been removed.

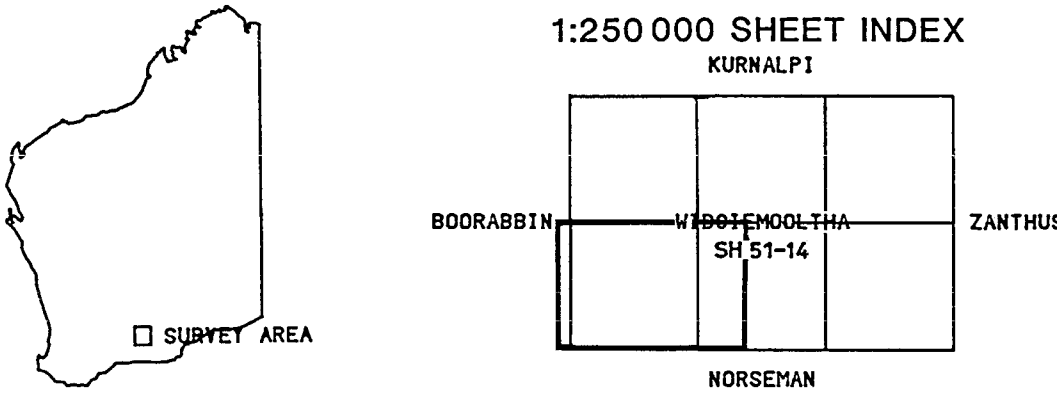
SURVEYED AND COMPILED BY AERODATA HOLDINGS LTD 1984-85
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INDEX TO ADJOINING SHEETS

YILGINA	LAKE LEFFROY	POINT BELCHES
3135	3235	3335
CAVE HILL	COWAN	YARDINA
3134	3234	3334
BROWZITE RIDGE	NORSEMAN	SILDANIA
3133	3233	3333






P.E. PLAYFORD
DIRECTOR, GEOLOGICAL SURVEY
OF WESTERN AUSTRALIA



HON. GORDON HILL, M.L.A.
DIRECTOR GENERAL OF MINES



Aerodata
AERODATA HOLDINGS LTD

SCALE 1:100 000

2000 1000 0 2 4 6 8 10
Metres Kilometres

TOTAL FIELD MAGNETIC CONTOUR MAP

CAVE HILL-COWAN
-YARDINA AREA

3134-3234-3334