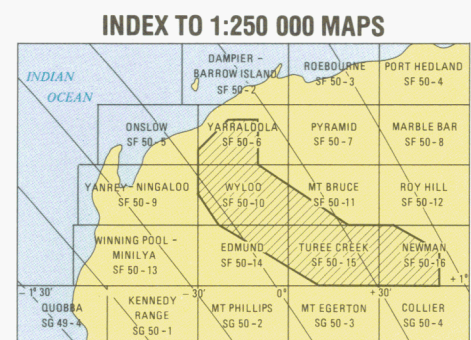


GEOLOGICAL SURVEY OF WESTERN AUSTRALIA
BULLETIN 139 PLATE 1
GEOLOGICAL MAP OF THE
ASHBURTON BASIN AND SOUTHWESTERN HAMERSLEY BASIN

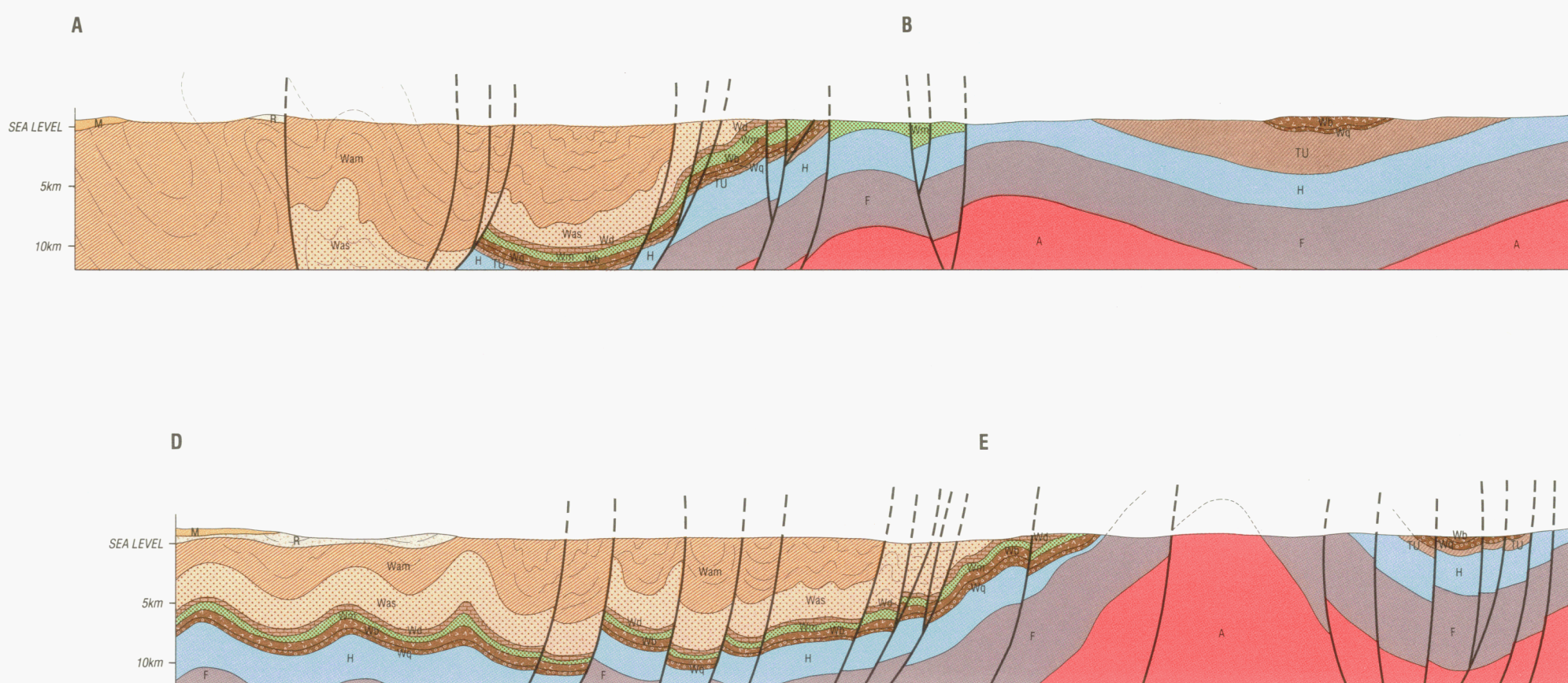


The index indicates magnetic declination, 1980
+ means declination is east and correction must be added, - means declination is west and correction must be subtracted from compass bearing to give true bearing
Annual change is - 2' westerly



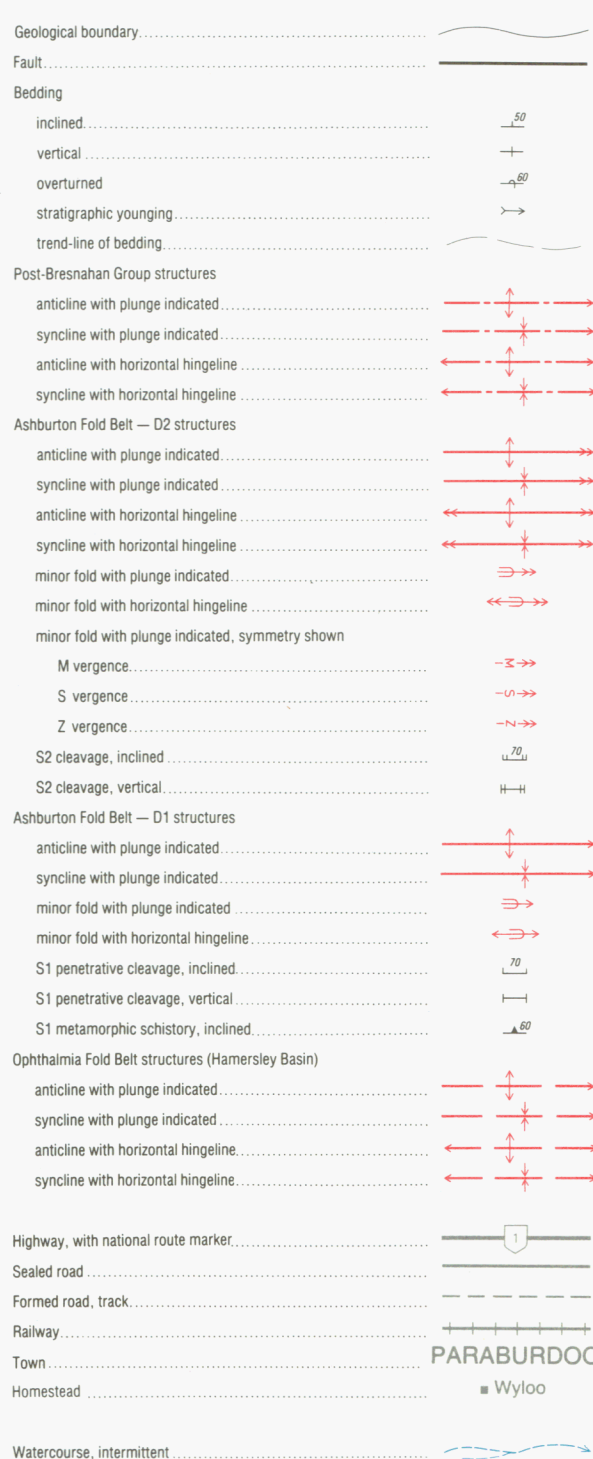
SCALE 1:500 000
TRANSVERSE MERCATOR PROJECTION

DIAGRAMMATIC SECTIONS
NATURAL SCALE

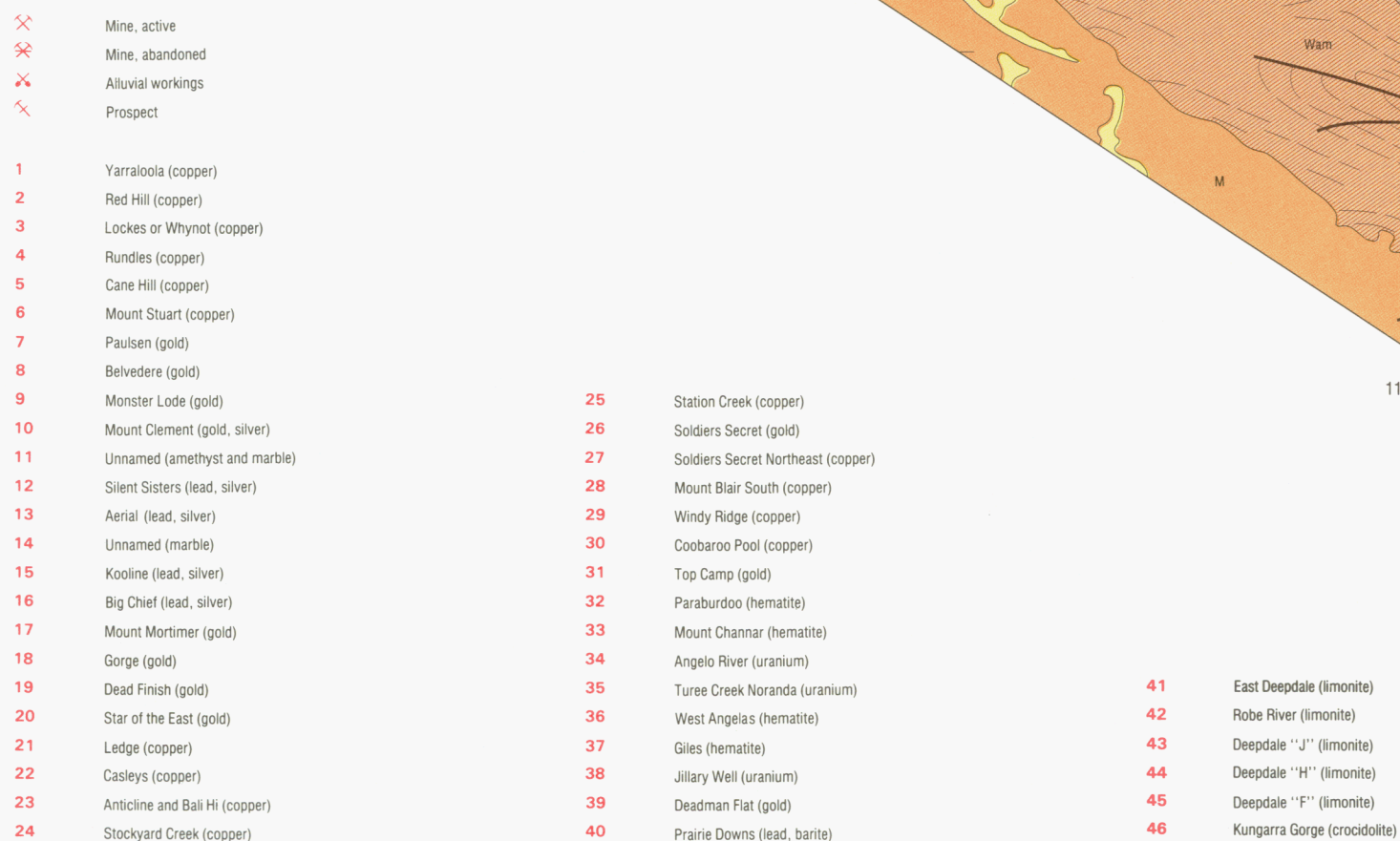


Geology by A.M. Thorne and D.B. Seymour 1982-86, I.M. Tyler 1983-86, W.M. Hunter 1986
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SYMBOLS



MINERALIZATION CENTRES

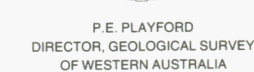


REFERENCE



BULLETIN 139 PLATE 2

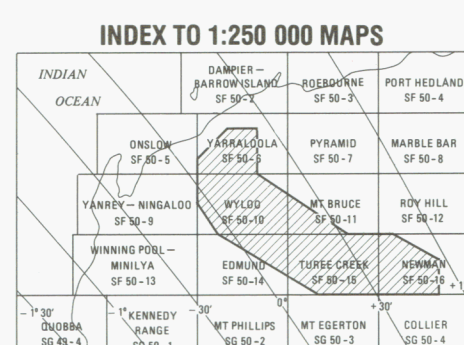
HON. JEFF CARR, M.L.A.
MINISTER FOR MINES
D.R. KELLY, DIRECTOR GENERAL OF MINES



Geological boundary
 Fault
 normal
 wrench
 reverse
 Bedding
 inclined
 vertical
 overturned
 stratigraphic younging
 trend of bedding

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P	PHANEROZOIC COVER
M	BANDELLI GROUP
B	BRENNAN GROUP
I	MOUNT MINNIE GROUP
R	CAPRICORN FORMATION
Pg	GRANDIORITE (post-Wyke Group)
G	GASCORNE COMPLEX
Wm	ASHBURTON FORMATION (medium to high metamorphic grade)
Wb	BASIN FACIES (ASHBURTON FORMATION, JUNE HILL VOLCANICS)
Wc	SHELF FACIES (BEADLEY RIVER QUARTZITE, CHEELA SPRINGS BASALT, MOUNT MUGGARTH FORMATION, DUCK CREEK DOLOMITES)
Tu	TURKEY CREEK GROUP
Ho	WOONGARRA VOLCANICS and BOOLELEDA IRON FORMATION
Hb	BROCKMAN IRON FORMATION and WEELE WOLLI FORMATION
Hm	MARRA MAMBA IRON FORMATION, WITTENOOM DOLOMITE, MOUNT EVELYIA FORMATION, MOUNT MURRAY SHALE
F	FORTESCUE GROUP
Ag	PILBARA CRATON granite and greenstone



The lines indicate magnetic declination, 1980
+ means declination is east and correction must be
added to compass bearing to give true bearing
- means declination is west and correction must be
subtracted from compass bearing to give true bearing
Annual change is - 2' westerly