



THE SEDIMENTOLOGY AND STRATIGRAPHY OF THE
LATE PRECAMBRIAN POUND SUBGROUP,
CENTRAL FLINDERS RANGES,
SOUTH AUSTRALIA

by

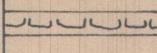
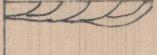
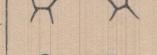
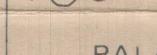
JAMES G. GEHLING, B.Sc.(Hons)

Submitted for the Degree of M.Sc. through the Department
of Geology and Mineralogy, University of Adelaide,
July, 1982.

LEGEND

FIG. I

SEDIMENTARY STRUCTURES

-  disruptive - sand polygons
-  tabular cross stratification
-  trough cross stratification
-  J-type, low angle trough cross stratification
-  ripple lamination
-  channel base
-  ball and pillow structures
-  sand rosettes - pseudomorphs after sulphate crystals
-  mud/shale chip (impressions in some cases)
-  desiccation cracks
-  impressions of soft bodied animals (Ediacara assemblage)
-  trace fossils (trails)

PALAEOCURRENT DIRECTIONS

-  78 cross bedding foreset azimuth
-  140 channel direction (foresets or imbrication of clasts)
-  105 small scale directional structure (climbing ripple, sole etc)
-  64 current lineation

ROCK COLOUR

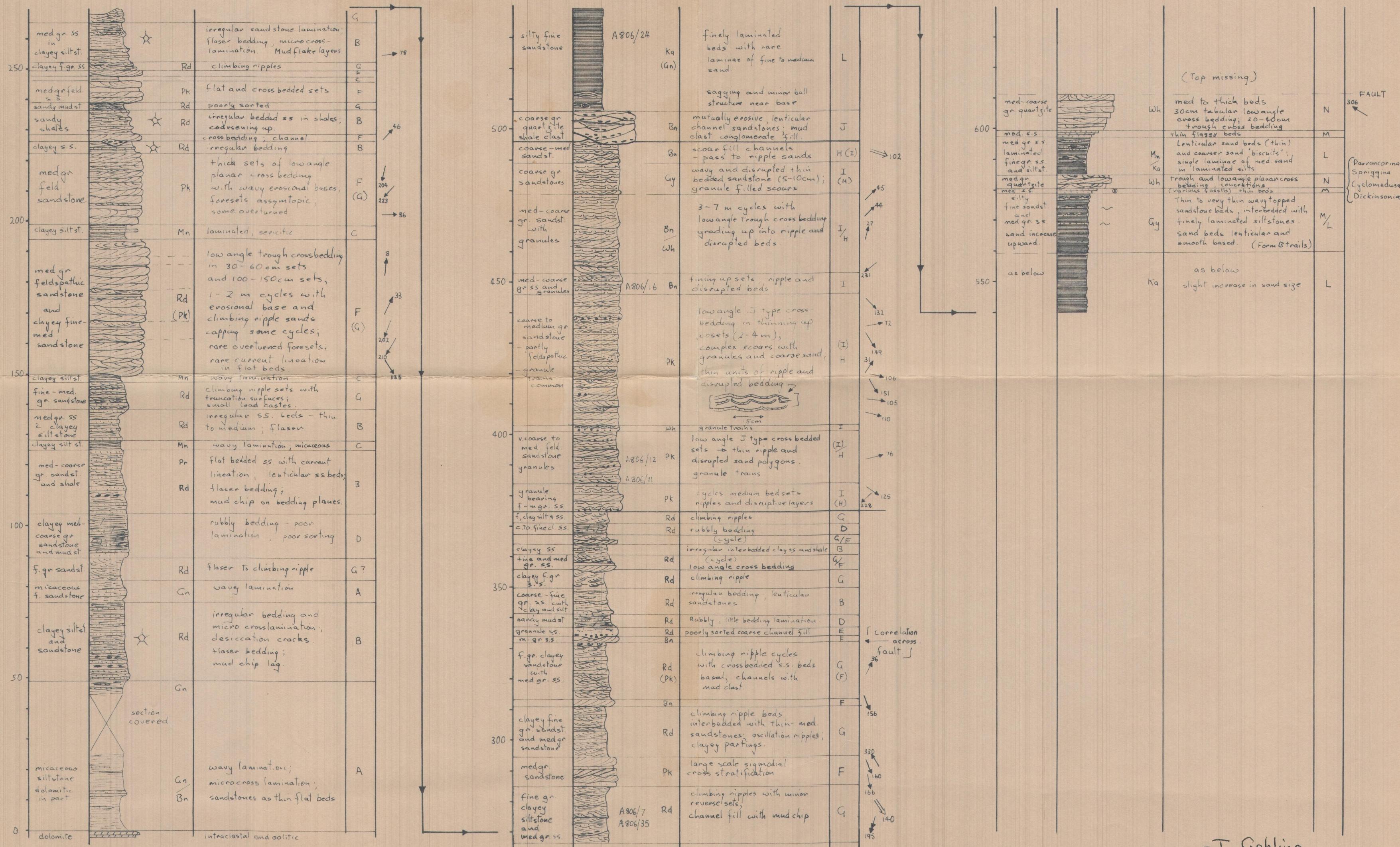
Rd	red
Wh	white
Pk	pink
Pr	purple
Gy	grey
Bn	brown
Mn	maroon
Ka	khaki
Yl	yellow
Gn	green

A806/22 Samples - Thin Section

J. Q. 82.

SECTION 1 MAYO GORGE

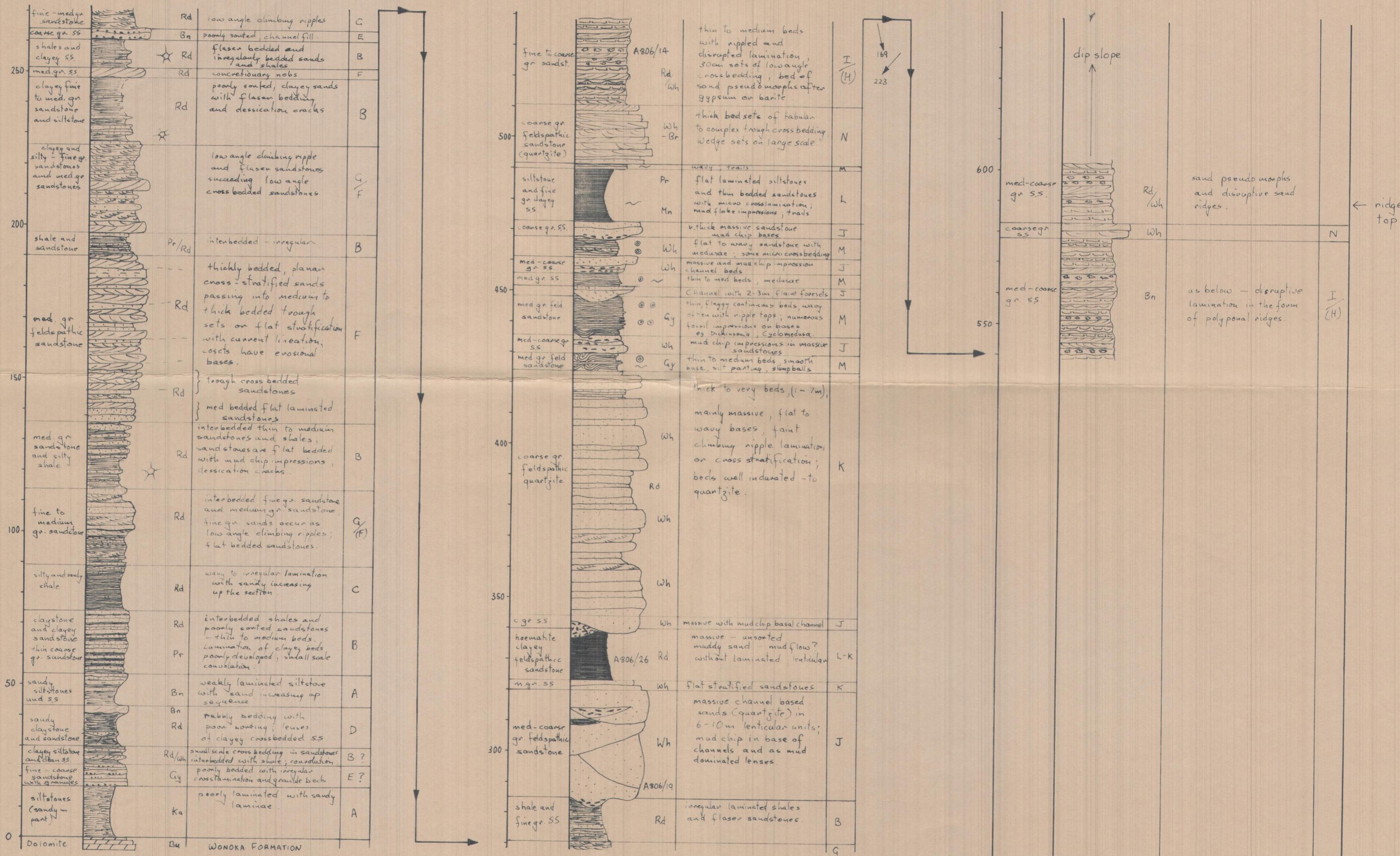
FIG. II



J. Gehling
82.

SECTION 5 NTH.MT. ALECK

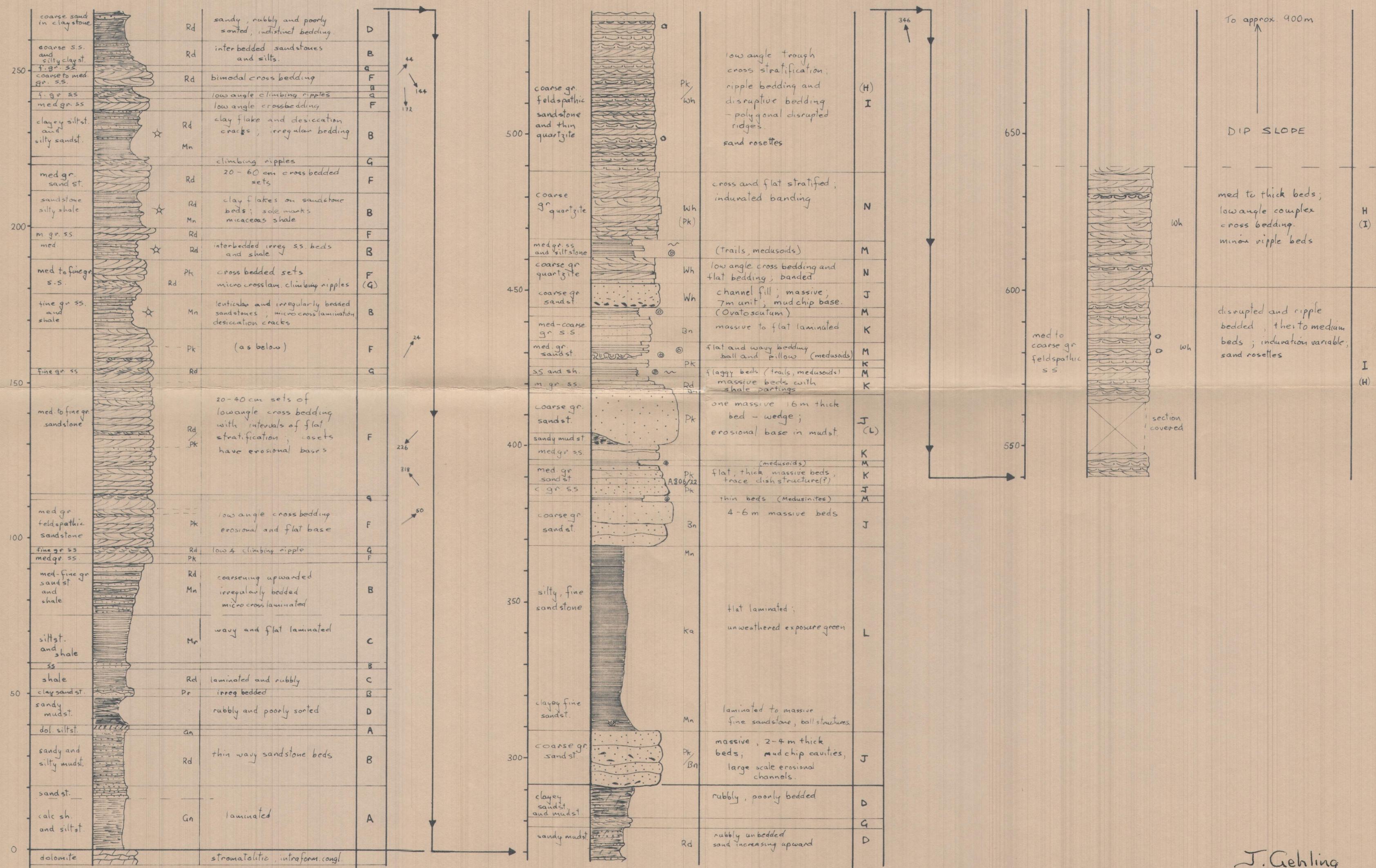
FIG. III



J. Gehling
82.

SECTION 7 BEATRICE HILL

FIG. IV

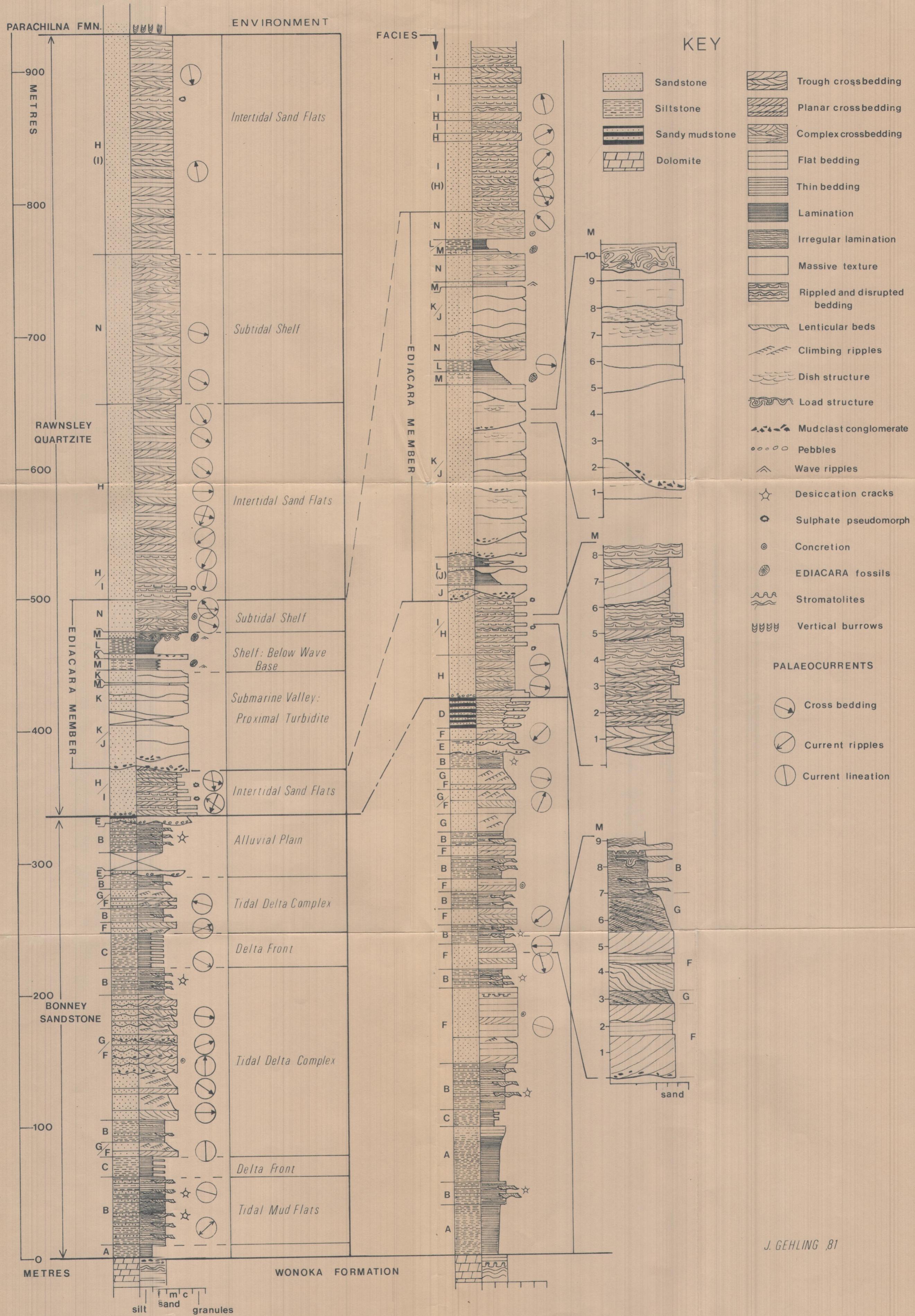


J. Gehling
82.

Section 20 BRACHINA GORGE

Section 11 CHACE RANGE

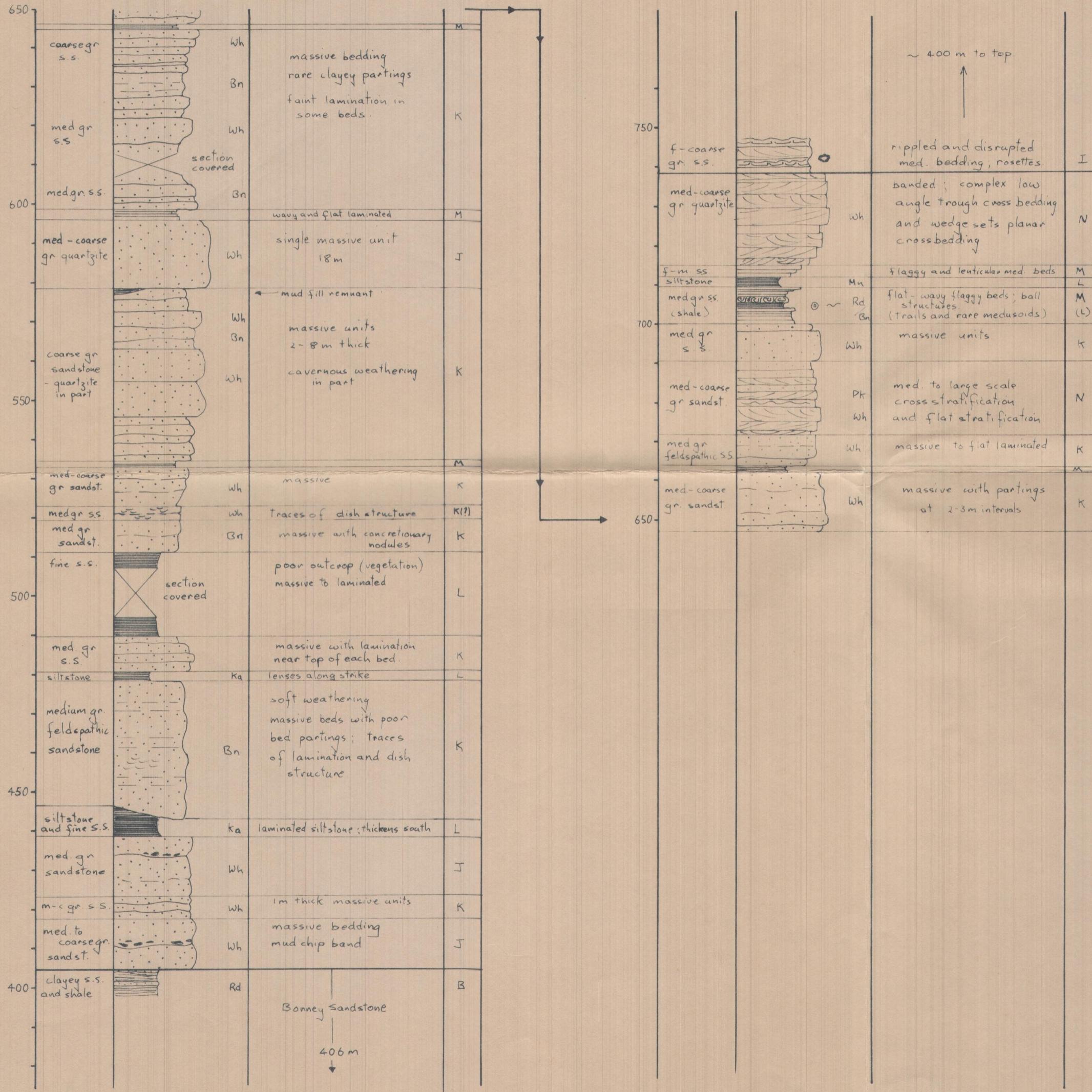
FIG. 4



J. GEHLING 81

SECTION 16 TUMBURRU PEAK (WILPENA POUND)

FIG. V

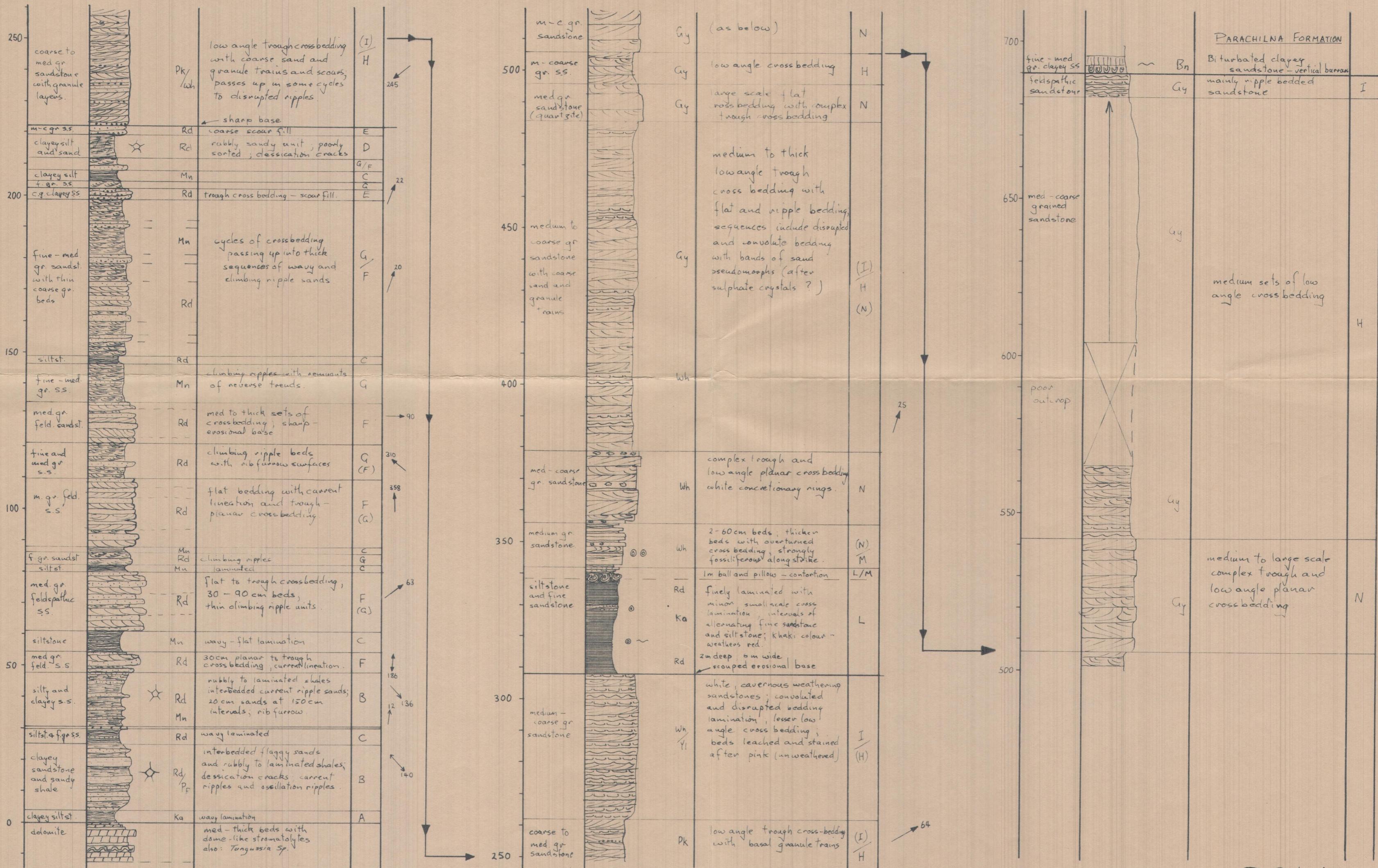


J. Gehling, B.R.

SECTION 18

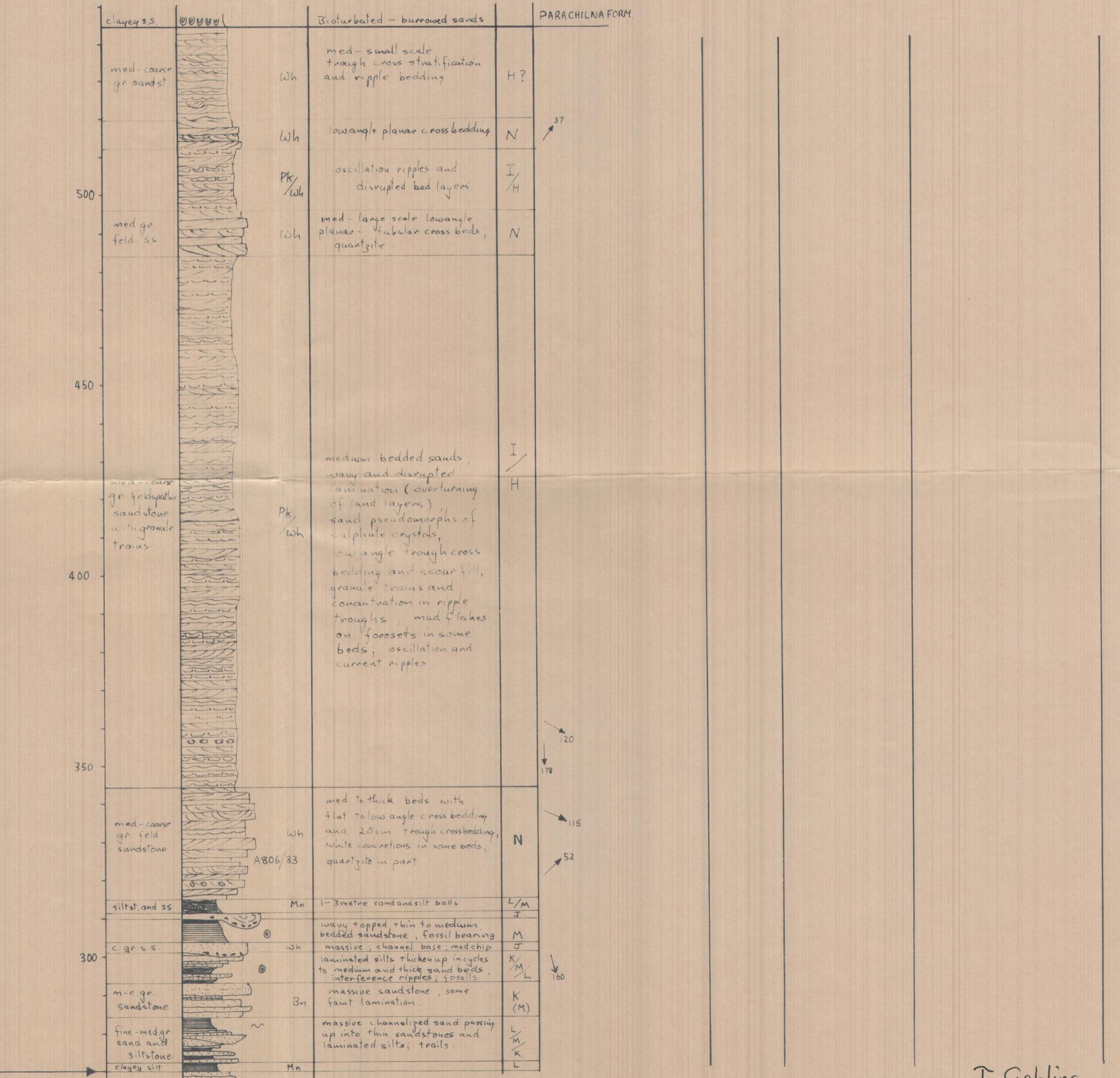
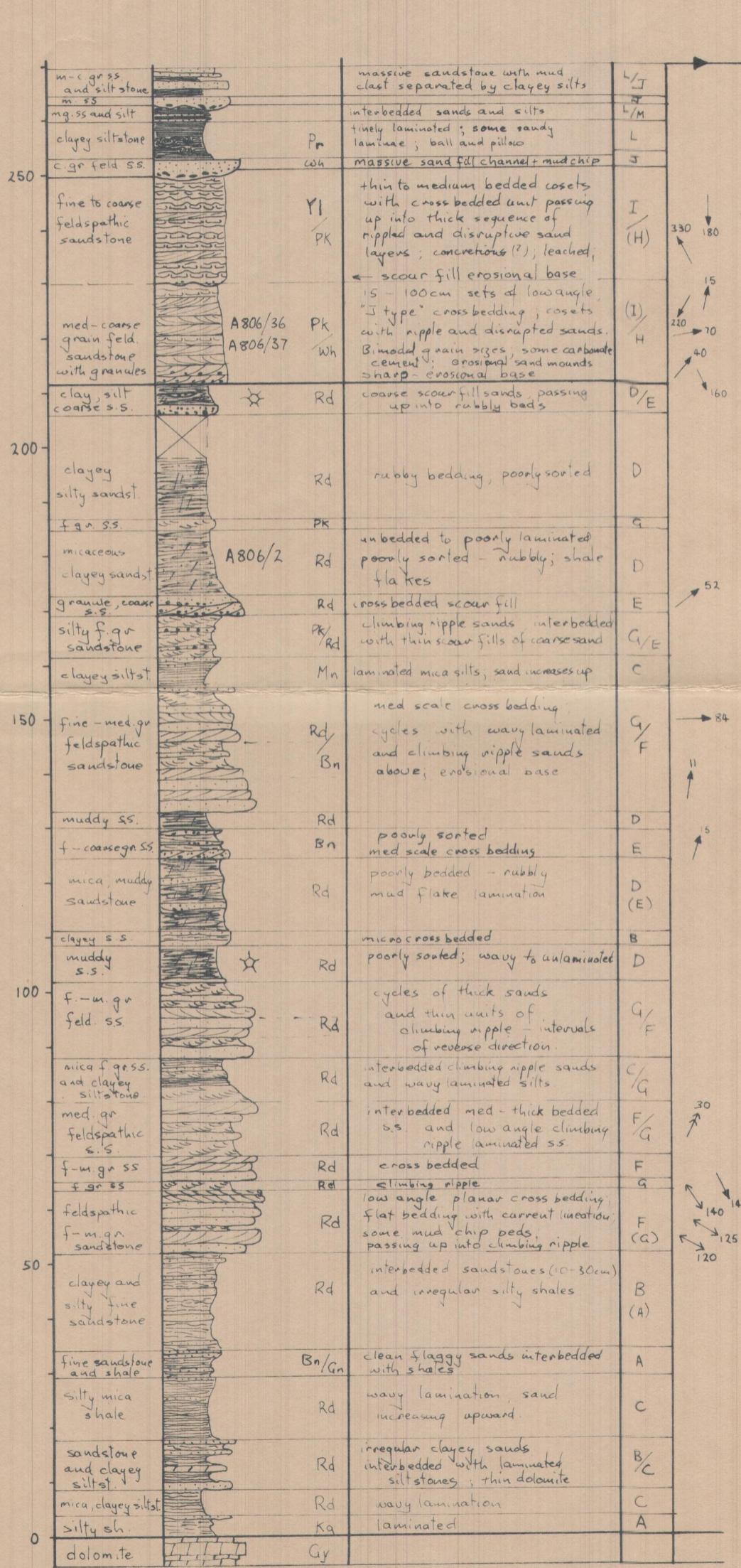
BUNYEROO GORGE

FIG. VI

J. Gehling
82.

SECTION 24 PARACHILNA GORGE

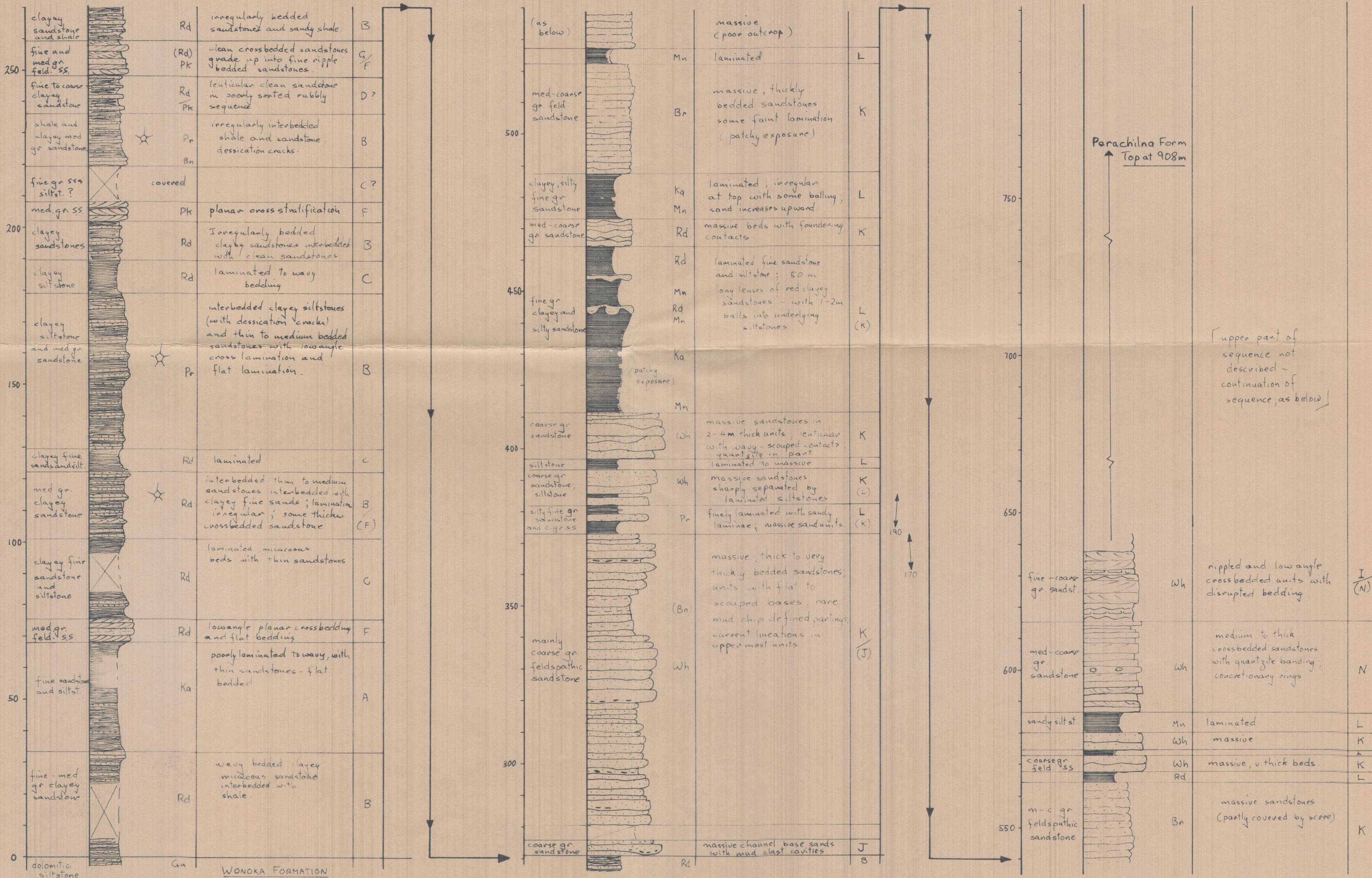
FIG. VII



J. Gehling
82.

SECTION 32 EAST DRUID RANGE

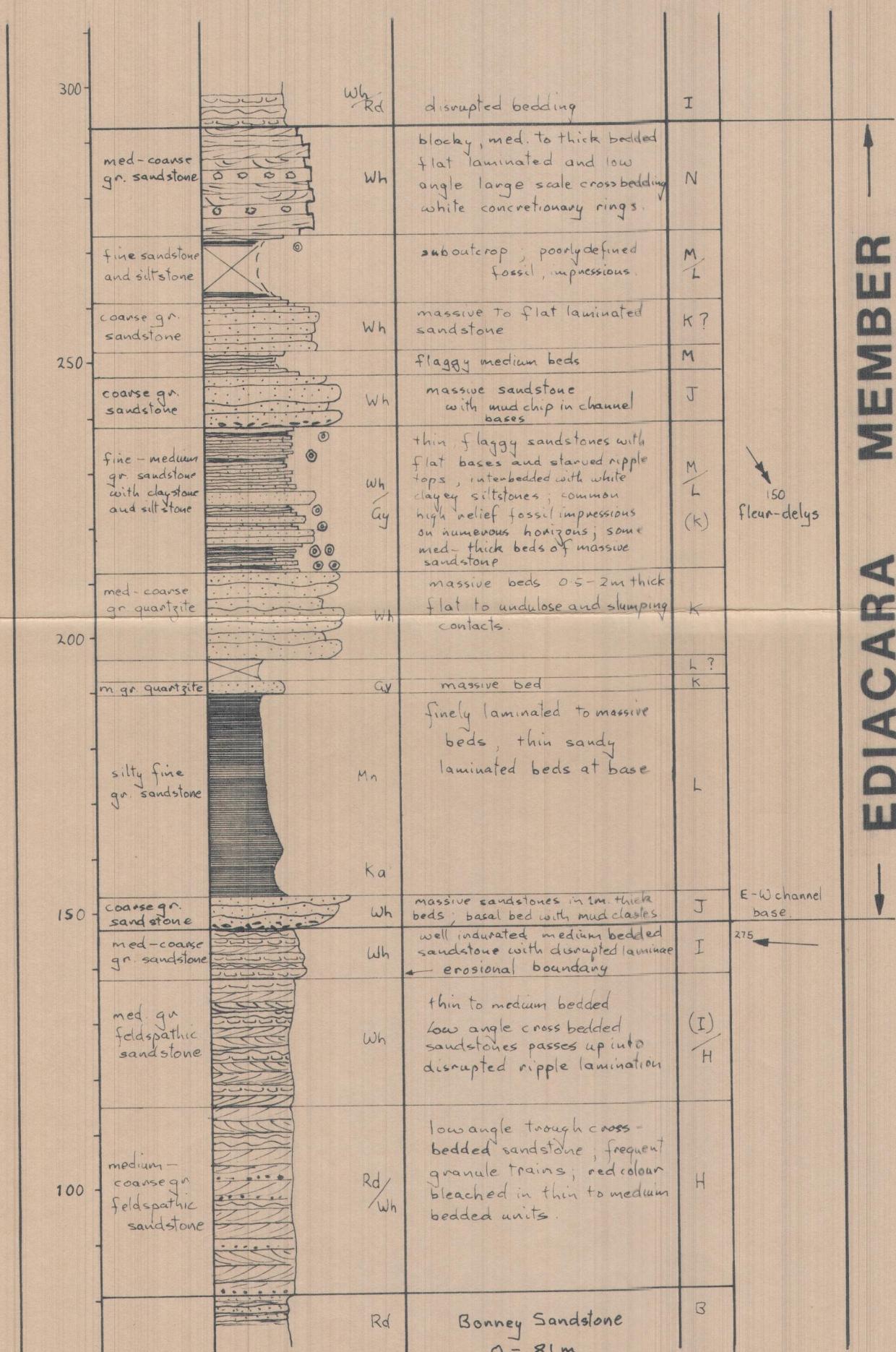
FIG. VIII



J. Gehling, 82.

SECTION 31 EAST CHACE RANGE

FIG. IX

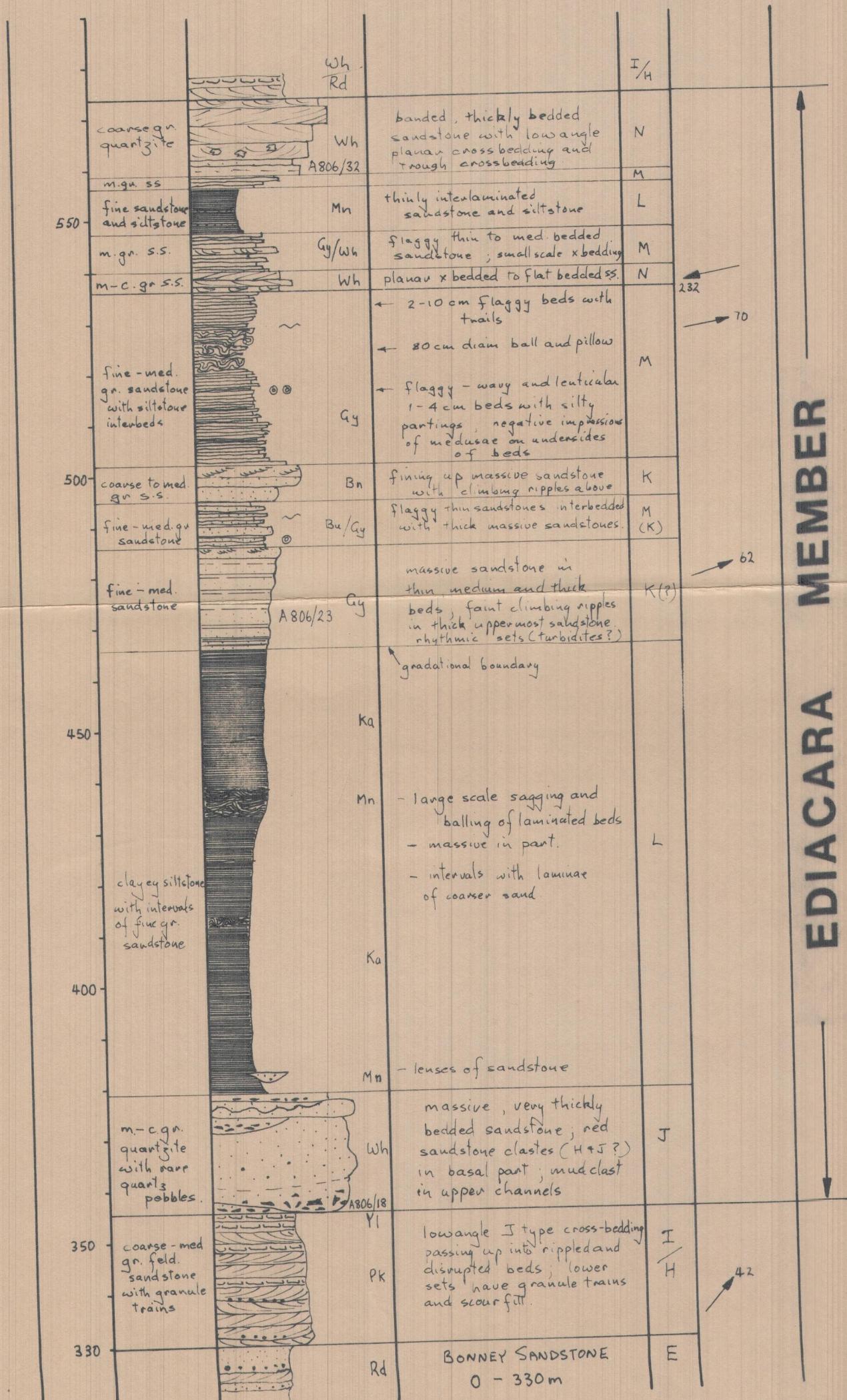


J. Cechling
82.

SECTION 12

S.W. CHACE

FIG. X



J. Gehling
82. ✓

SECTION 13

NTH. RAWNSLEY BLUFF

FIG. XI

