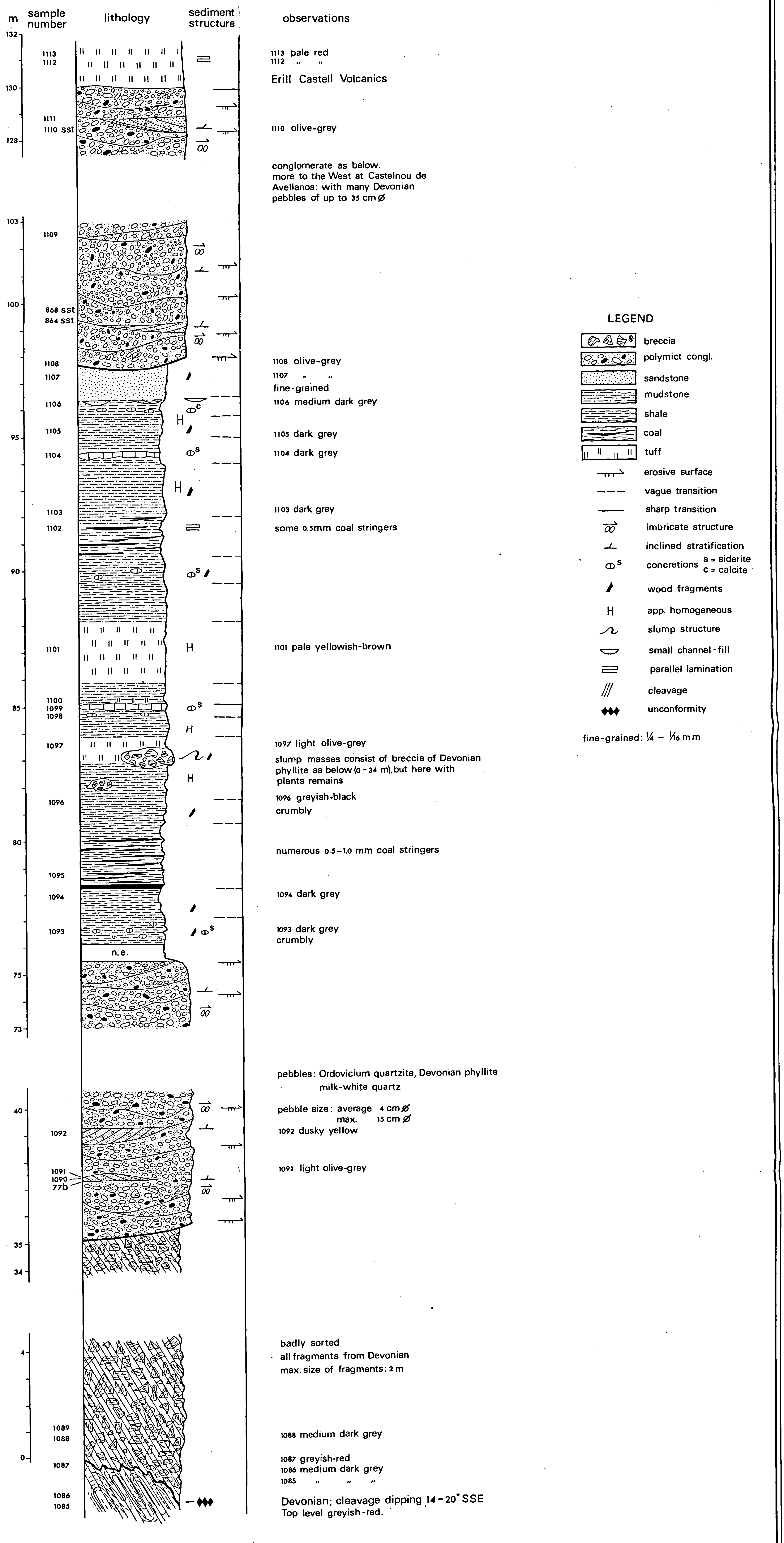
section 1

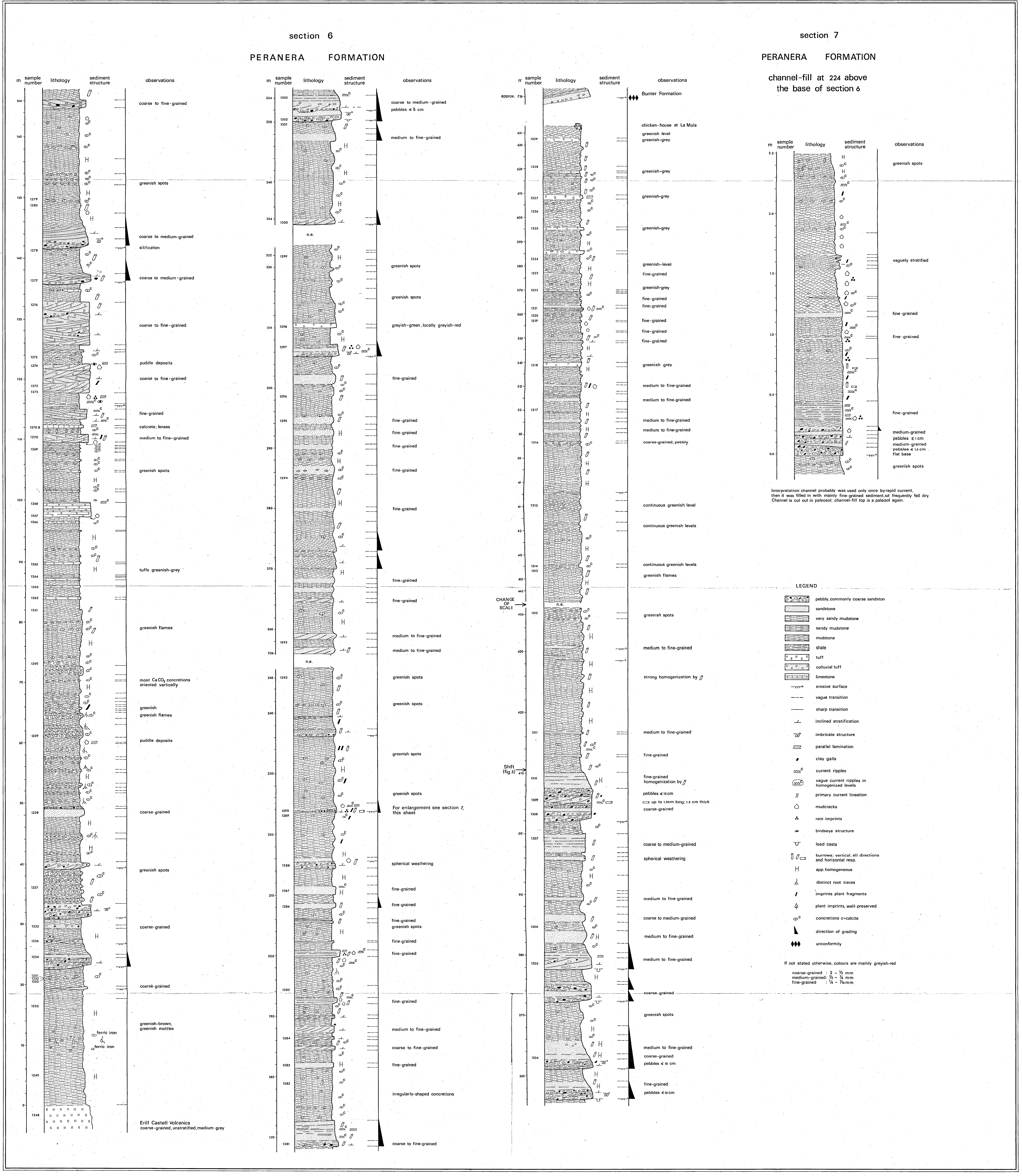
AGUIRO FORMATION



section 2

ERILL CASTELL VOLCANICS


section 3
MALPAS FORMATION
section 4
MALPAS FORMATION
m
sample number
lithology
sediment structure
observations
Bunter Formation
Erill Castell Volcanics
LEGEND
oligomict conglomerate
sandstone
sandy or silty mudstone
mudstone
shale
coal stringers
tuff, with bombs and lapilli
basaltic andesite
limestone
ferroan dolomite
siderite concretions, beds
chert
erosive surface
vague transition
sharp transition
inclined stratification
imbricate structure
parallel lamination
clay galls; coal pebbles
current ripples
birdseye structure
load casts
slump structures
app. homogeneous
root traces (seat-earth)
coalified plant fragments
plant imprints, well-preserved
large chunks of coalified wood
calcite concretions
mudcracks
direction of grading
unconformity
coarse-grained : 2 - ½ mm
medium-grained: ½ - ¼ mm
fine-grained : ¼ - ⅟₁₆ mm
section 5
TRANSITION FROM MALPAS -
TO PERANERA FORMATION



section 6
PERANERA FORMATION
section 7
PERANERA FORMATION
channel-fill at 224 above the base of section 6
m
sample number
lithology
sediment structure
observations
Bunter Formation
chicken-house at La Mola
CHANGE OF SCALE
Shift (fig.5)
For enlargement see section 7, this sheet
Erill Castell Volcanics coarse-grained, unstratified, medium grey
Interpretation: channel probably was used only once by rapid current, then it was filled in with mainly fine-grained sediment, but frequently fell dry. Channel is cut out in paleosol; channel-fill top is a paleosol again.
LEGEND
pebbly, commonly coarse sandston
sandstone
very sandy mudstone
sandy mudstone
mudstone
shale
tuff
colluvial tuff
limestone
erosive surface
vague transition
sharp transition
inclined stratification
imbricate structure
parallel lamination
clay galls
current ripples
vague current ripples in homogenized levels
primary current lineation
mudcracks
rain imprints
birdseye structure
load casts
burrows; vertical, all directions and horizontal resp.
app. homogeneous
distinct root traces
imprints plant fragments
plant imprints, well-preserved
concretions c=calcite
direction of grading
unconformity
If not stated otherwise, colours are mainly greyish-red
coarse-grained : 2 – ½ mm
medium-grained : ½ – ¼ mm
fine-grained : ¼ – 1/16 mm

section 8

BUNTER FORMATION