ENCLOSURES.
DIFFERENT NAMES FOR SANDSTONES AT THE ROUGH RO

STAINMORE

N. YORKS.

L.A.

BRADFORD

R.R.

R.R.F.

LEEDS

R.R.

R.R.F.

HUDDERSFIELD

NELSON

R.R.

ROSSENDALE

R.R.

CLIVIGER

R.R.

ROCHDALE

R.R.

OLDHAM

R.
ROUGH ROCK HORIZON

HUDDERSFIELD

SHEFFIELD

MANSFIELD

DERBY

GOYT

SHAFFALONG

FOXT

OAKAMOOR

OLDHAM

STOCKPORT

MACCLESFIELD

STOKE

CANNOCK
KEY

R.R. - ROUGH ROCK
D.G. - DANEBOWER GRIT
G.S. - GWESPYR SST.
A.S. - AQUEDUCT GRIT
C.F. - CEFN-Y-FEDW SST.
L.A. - LAVERTON SST.
R.R.F. - ROUGH ROCK FLAGS
U.H.F. - UPPER HASLINGDEN FLAGS
• • • - G. SUBCRENATUM
•••• - G. CUMBRIENSE
H.F. - HARD FLAGS

GRITS
FLAGS
MUDSTONE/SHALE

Vertical scale relative
GOYT TROUGH
& EAST
CHESHIRE

KEY

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<tr>
<th>LITHOFACIES UNDIFFERENTIATED</th>
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<tr>
<td>4 &amp; 5</td>
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<tr>
<td>8</td>
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<tr>
<td>9(1)a</td>
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<td>9(1)b</td>
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<td>11 &amp; 12</td>
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PALÆOCURRENT DIRECTION

a  G. subcrenatum  Marine Band
b  G. cumbriense       
   "              
  c  G. cancellatum     
   "              

MAP OF THE AREA

- Mill Brow
- Bridge
- Mellor
- Marple
- Disley
- Newton
- THE BANKS
- A6
GOYT TROUGH
& EAST
CHESHIRE

KEY

LITHOFACTIES UNDIFFERENTIATED

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PALEOCURRENT DIRECTION

- a: G. subcrenatum Marine Band
- b: G. cumbrienen
- c: G. cancellatum

Marple
Bridge
Mill Brow
Mellor
Disley
Newtown
- Palaeocurrent direction
  - a. G. subcrenatum Marine Band
  - b. G. cumbriense
  - c. G. cancellatum

Areas of doubtful stratigraphic correlation

Scale

1 1/2 0 1

Miles  KMS

Lyme Park

Kettleshulme

Pott Shrigley

Bollington
PALÆOCURRENT DIRECTION

a  G. subcrenatum  Marine Band

b  G. cumbriense  

c  G. cancellatum  

AREAS OF DOUBTFUL STRATIGRAPHIC CORRELATION
SHEFFIELD KEY

- LITHOFACIES UNDIFFERENTIATED

- 5 & 6

- 9(1)a & 9(1)b

- 10

- 11 & 12

PALAEOCURRENT DIRECTION

- a G. subcrenatum Marine Band

- b G. cumbriense

- c G. cancellatum

BOREHOLE LOCATIONS

N

W
SHEFFIELD

KEY

- LITHOFACIES UNDIFFERENTIATED
  - 5 & 6
  - 9(1)a & 9(1)b
  - 10
  - 11 & 12

PALAEOCURRENT DIRECTION
a G. subcrenatum Marine Band
b G. cumbriense " "
c G. cancellatum " "
X BOREHOLE LOCATIONS

Scale

1
klms

0
miles

1/2

80

N
SHEFFIELD

KEY

- LITHOFACIES UNDIFFERENTIATED
- 5 & 6
- 9(1)a & 9(1)b
- 10
- 11 & 12

PALAEOCURRENT DIRECTION

- G. subcrenatum Marine Band
- G. cumbriense
- G. cancellatum

BOREHOLE LOCATIONS

Scale

1 klms
0
1/2
1 miles
CHESTERFIELD — DERBY

KEY

- LITHOFACIES UNDIFFERENTIATED

- G. subcrenatum 
- G. cumbriense
- G. cancellatum
- BOREHOLE LOCATIONS

SCALE

MILES

KLMS
PALAEOCURRENT DIRECTIONS AND MODAL ANALYSES FROM THE ROUGH ROCK OF THE CENTRAL AND SOUTHERN PENNINES

SCALE 1" : 3 miles

KEY

- Major palaeocurrent direction and trend for large scale
- Palaeocurrent direction = East to West
- After Shackleton 1962
- This thesis

Enc 6
PALAEOCURRENT DIRECTIONS AND MODAL ANALYSES FROM THE ROUGH ROCK OF THE CENTRAL AND SOUTHERN PENNINES

SCALE 1:3 miles

KEY

- Palaeocurrent directions
- Other minerals

Enc 6
PALAEOGEOGRAPHICAL SETTING OF
THE ROUGH ROCK IN THE
SOUTHERN PENNINES

SCALE 1:200,000

LEGEND

- Outcrop of the Rough Rock
- Borehole
- Boundary of the Carboniferous Limestone
- Reef facies in the Carboniferous Limestone
- Boundary between gulf and Black facies in the Namurian
- Structural trends
- Primary Channel Flow
- Secondary Channel Flow
- Minor (Interdistributary) Flow
- Possible Flood Channel Flow
- Overbank / Avulsion Flow

- Boundary of the Carboniferous Limestone
- Reef facies in the Carboniferous Limestone
PALAEOGEOGRAPHICAL SETTING OF THE ROUGH ROCK IN THE SOUTHERN PENNINES

SCALE 1:200,000

LEGEND

- Outcrop of the Rough Rock
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