



Colour coded Facies, Palaeocurrent and Contour height legends, Palaeocurrent vector mean indicators and Location details

A. Primary facies scheme

- Sr: Srxx
- St: Stsx <1.5, Stmx 1.5-3.0, Sttx >3.0
- Sp: Sl-hpx <2.0, Sl-hpx >2.0
- Sl: Sl-hss <1.0, Sl-hss-of <1.0
- Sh: Sl-hhs <1.0
- Gt/p: Spb >15%
- Gh: Ss-ip -lag
- Sf: Sfp
- Sd: Ssd
- S-: Ssb
- Fl: Sh-l

B. Sub-facies scheme

1. Aggradation with net downstream-accretion of small-scale current ripple cross-bedding; 0.005-0.05 m crest height; fine to coarse-grained sandstone.
2. Aggradation with net downstream-accretion of small-scale trough cross-bedding <1.5 m trough width; medium-grained to granular sandstone; <10% pebbles.
3. Aggradation with net downstream-accretion of medium-scale trough cross-bedding 1.5-3.0 m trough width; medium-grained to granular sandstone; <10% pebbles.
4. Aggradation with net downstream migration of large-scale trough cross-bedding (sandy bedform) >3.0 m trough width; medium-grained to granular sandstone; <10% pebbles.
5. Aggradation with net downstream migration of <2.0 m thick small to large-scale planar cross-bedding (sandy bedform); medium-grained to granular sandstone; <10% pebbles.
6. Aggradation with net downstream migration of >2.0 m thick very-large-scale planar cross-bedding; coarse-grained to granular sandstone; <10% pebbles.
7. Aggradation with net downstream-accretion of <1.0 m thick sub-horizontal sets; medium-grained to granular sandstone; <10% pebbles.
8. Aggradation with net lateral-accretion of sub-horizontal sets with oblique foresets <1.0 m thick; medium-grained to granular sandstone; <10% pebbles.
9. Downstream migration with net aggradation of <1.0 m thick horizontal sets; medium-grained to granular sandstone; <10% pebbles.
10. Planar horizontal laminations and/or bedding (sandy bedform); fine to coarse-grained sandstone.
11. Pebble rich trough or planar cross-bedding; coarse-grained to granular sandstone (sandy bedform); (pebbly bedform) with >15% pebble content.
12. Lag of small to large pebbles; coarse-grained to granular sandstone (sandy bedform).
13. Fossilised plant remnants; medium-grained to granular sandstone (sandy bedform); <10% pebbles.
14. Soft sediment deformation (liquefaction); medium-grained to granular sandstone (sandy bedform); <10% pebbles.
15. Structureless bed; medium-grained to granular sandstone (sandy bedform); <10% pebbles.
16. Shale bed; laminated fines; primarily mud (e.g. clay and silt sized particles; grey to black coloured rock represent low to high levels of organic matter preservation, respectively).

C. Palaeocurrent azimuth-dip

- F/IF: Defined and inferred foresets (See sub-facies scheme)
- R/IF: Defined and inferred reactivation surface (See sub-facies scheme)
- S: Defined and inferred set bounding surface
- IS: Defined and inferred coset bounding surface
- IC: Defined and inferred channel bounding surface
- CH: Defined and inferred channel bounding surface
- ICH: Defined and inferred channel bounding surface

D. Contour height range (m)

- >=400
- 400
- 350
- 300
- 250
- 200
- 150
- 100
- 50
- <=50

E. Overall palaeocurrent azimuth vector mean indicators (Black arrow indicates North; Total n. 2142)

Overall sub-facies foreset palaeocurrent azimuth vector mean indicators (Total n. 1440)

Overall bounding surface palaeocurrent azimuth vector mean indicators (Total n. 694)

Overall bidirectional palaeocurrent azimuth vector mean indicators (Total n. 8)

F. Location details

Location and Outcrop numbers	Elevation (m)	Grid reference (SE)
1. Fewston (Disused Quarry)	1-6	18479 54821
2. Sandy Gate Road (Disused Quarry)	1	280 15120 59230
3. Neil Stones	1	271 14708 59309
4. Far Comb Hill	1-3	240 13910 59371
5. Hoid Crag	1-3	260 13594 59221
6. Duke's Hill	1-3	245 13755 58066
7. Harrie's Dam	1-3	243 13277 57902
8. Gill House Crag	1	255 13371 57994
9. Green Sike Stream	1	250 13166 57739
10. Peat Hill	1	250 13733 57852
11. Hard Pits	1	300 14049 57050
12. Foulshaw Crag	1	310 14832 56260
13. Old Wife Ridge - Heyshaw Moor	1	338 15501 62665
14. Flat Crag - Heyshaw Moor	1	333 15750 62770
15. High Kettle Spring Farm	1	105 26920 62414
16. High Mill - Shaw Mills	1	104 25262 62696
17. Rabbit Hill Farm	1	204 23492 65220
18. Careless House Farm	1	140 25335 65113
19. Klondike (Disused Quarry)	1	260 22346 65801
20. Jeffery Crag - Warren Forest Park	1	215 23056 65454
21. Bilberry Wood - Warren Forest Park	1	225 22717 65244
22. Brimham Rocks (Facies Stlx >3.0 m)	1	270 20897 64929
23. Eavestone Lake	1	171 22439 67946
24. Plumton Rocks	1	50 35581 53671
25. High Wild Carr Farm	1	302 17053 66178
26. Mount Pleasant Farm	1	290 17400 65604
27. Hindmes Wood	1	182 14955 64929
28. Low Moor (Disused Quarry)	1	270 14570 63744
29. Knox Wood	1	145 19173 63871
30. Sigsworth Crag	1	350 14167 70139
31. Cow Close Crag	1	336 15293 68942
32. Yeadon Crag	1	330 15765 68338
33. High Bishopside (Brae)	1	320 15790 67713
34. Knoxstone Crag	1	206 20070 65837