

Orientation of pebbles

Purpose

To determine the direction of movement of the water which deposited pebble beds.

Activity

Experiments have shown that where pebbles are mostly not touching each other then the long axes are parallel to the water movement.

Draw a line right across the photocopy parallel to the compass needle. This gives you a north-south line.

Draw a line through the long axis of each pebble.

Measure the angle between the north line and the long axis of the pebble and record it. All your readings should be 180° or less.

Use your data to plot a rose diagram.

Teacher's section

If not using your own photos enlarge these to A4.



