

# Buckingham Sand Pit – Field Sheet #1

Using this identification sheet see how many of these rocks you can recognise.

**Flint** white weathered coating  
Some flints are rounded, 'glassy' and red-brown in colour.

**Chalk pebbles** white, powdery

**Ironstone** Red, red-brown or black-brown  
Can be smooth or sandy.

**Sandstone** grains c. 2mm+  
grains 1/2 to 2mm  
Beige to red-brown

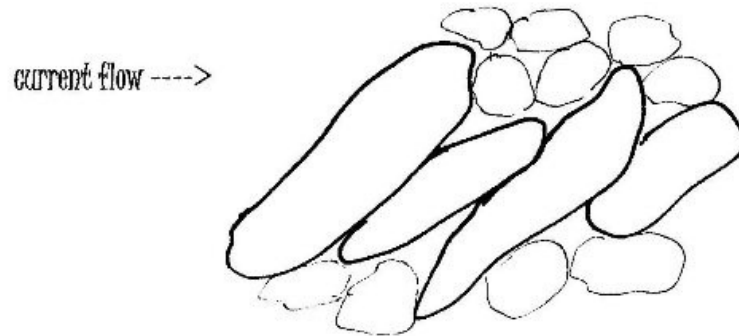
**Limestone** Beige / pale brown colour.  
will fizz with acid (eg lemon juice)  
contains fossil shells

**Black basalt and gabbro**

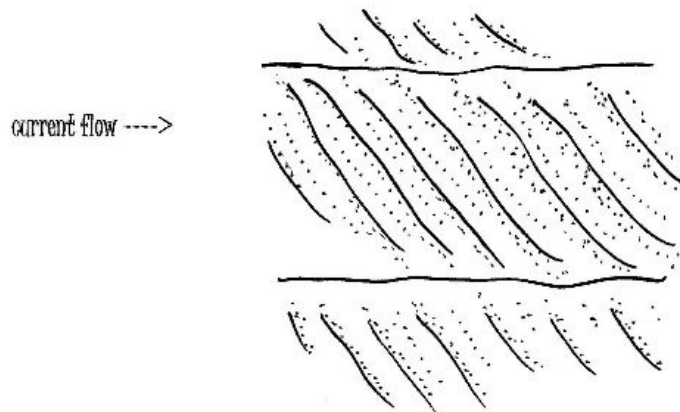
**Basalt** (grains too small to see) **Gabbro** (crystals of c. 2mm visible)

**Lydite (a black chert)** Very smooth, black and shiny.

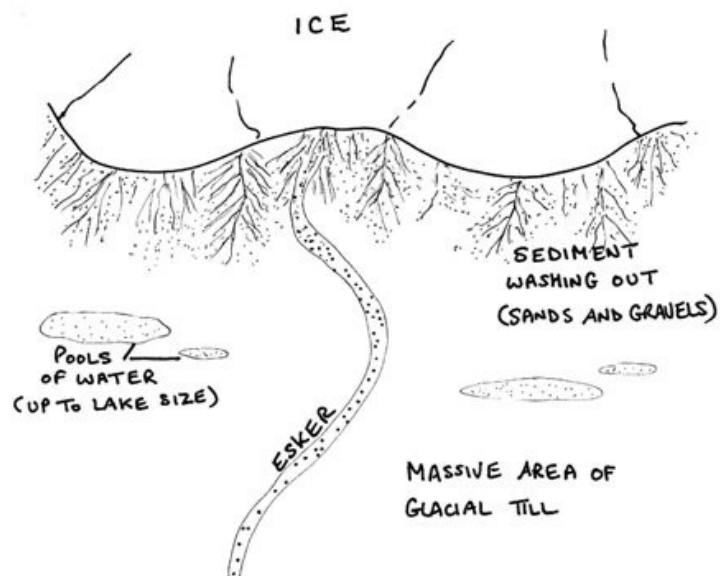
## Buckingham Sand Pit – Field Sheet #2



**Imbrication of pebbles - the flow of water aligns the long axes of the pebbles.**



**Cross-stratification - the lines are made by sand grains sorting by size as they are carried by the water current and form dunes.**



**The glacial environment around Buckingham (~ 0.5 million years ago) as the ice retreated.**