West Yorkshire
Mineral Resources

Survey. Information on the extent of mineral planning permissions has been obtained from the relevant Mineral Planning Authority (MPA).

### SAND & GRAVEL

- Carboniferous: selected sandstone
- Pennine Coal Measures
  - New technology, which is under review and test in a number of countries. The level of former mining across the county and the depth of Permian cover rocks in the east of the county, being continuous with the concealed Eastern England Coalfield.

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### CONTACT ADDRESS:

- The majority of monuments are plotted using a centred NGR symbol. Consequently the actual area and/or length of a monument topography reproduced from the OS map by British Geological Survey with the permission of Ordnance Survey on behalf of The

### SUPERFICIAL DEPOSITS

- Recent production is shown on the graph.
- The principal use of sand are as fine aggregate in concrete, mortar and asphalt. The main use of gravel is as coarse aggregate in

### BRICK CLAY

- The Wyke (Sg)
- Baron Close (Elland Road &
- Methley (Sg)
- Pot House
- Royds Green Farm (Sg)
- Lofthouse (Lingwell Nook Lane) (Sg)
- Hill (Sst)
- Pool Bank (Sst, Cl)
- Tong Beck (Fr)
- Thumpas (Sst)
- Far Shay Farm
- Grange Farm, near Wakefield and Methley, near Mickletown. At Methley, approximately 180,000 tonnes of aggregate are extracted per

### ANGULAR QUARTZ

- Angular to rounded quartz with lithic grains. The gravel fraction is predominantly medium-grained with sub-rounded to sub-angular clasts

### AVENUE CLAYS

- According to the British Standard 1881 : 1993, the term ‘gravel’ includes all materials composed of angular particles of rock in varying size from that conforming to the 2 mm aggregate specification to that of rock fragments several centimetres in longitudinal dimension.

### LOCAL GOVERNMENT MAPS

- These have been incorporated in the data. This data has been checked and amended by the local Authorities.

### MINE MANSIONS & VILLAGE KERBS

- These have been included where evidence exists to identify these features on the1904 map. However, it must be remembered that these features may also be present outside the mapped area for which evidence is not available.

### INSERT SHEETS

- These have been included to show the alignment of features related to the mapped mineral resources.