

REPORT ON THE BORE-HOLE ON THE PROPERTY
OF MR. G. BURBURY (GAFF'S HILL)

In accordance with instructions, I visited and inspected the bore-hole on the above property. Boring had ceased at the time of my visit.

The site of the hole was about 30 chains east or east-north-east of Brent's or Glenmorey Sugarloaf. A short open gully slopes to the north-west where it merges into portion of the Tunbridge Plains. This gully occupies the country between the Glenmorey Sugarloaf and Gaff's Hill.

The gully is occupied by felspathic sandstones of the felspathic sandstone series of the Triassic System. The dip of the beds was apparently horizontal, but on Glenmorey Sugarloaf a dip of a few degrees to the south occurs.

The felspathic sandstones are bounded on the east and south by diabase which intrudes the sandstones with a transgressive junction. The diabase is part of the large transgressive body forming Sedlitz Tier, Gaff's Hill, Bald Hill, etc.

The bore-hole was situated within a short distance (no more than 3 or 4 chains) of the transgressive diabase to the north east. The bore revealed felspathic sandstones, shales and mudstones to a depth of approximately 200 feet. Fine-grained diabase was then entered and gave place to medium to coarse-grained types within a few feet, proving conclusively the intrusive nature of the diabase. The diabase encountered may be a sill from the transgressive body, but is more likely a part of the latter body.

Only a very small amount of water (too small to be serviceable, according to Mr. Lancaster, Drill Foreman) was found to make in the bore-hole. The reason for this is that the site was selected too close to the diabase. A much better site would have been 20 to 40 chains to the west.

(P.B. Nye) GOVERNMENT
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