

**Defra Ref: DPI/H2265/20/13 (Public Inquiry)**  
**River Medway Flood Relief Leigh Storage Scheme**

**NOTE ON PROPOSED LEVEL GAUGE.**

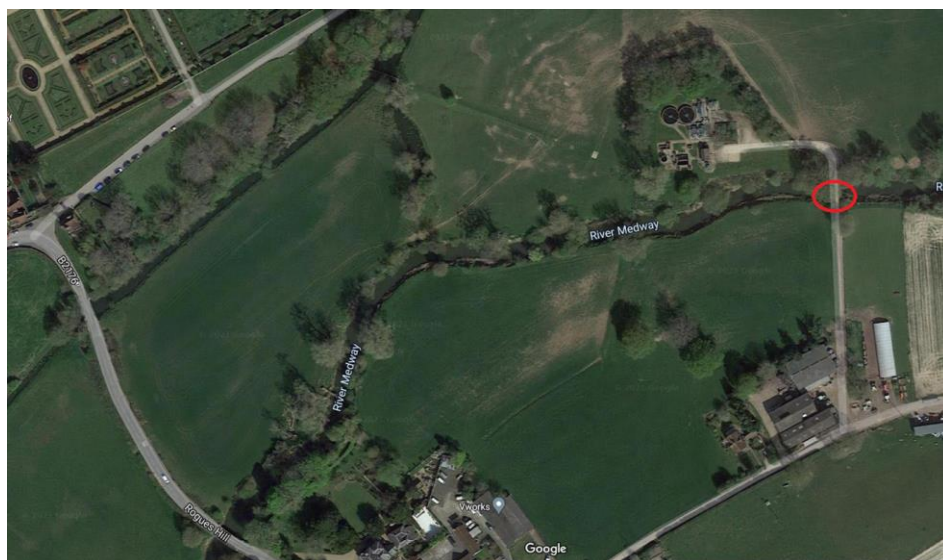
This note sets out the purpose of the Environment Agency's visit to Rogues Hill on 13<sup>th</sup> April 2021.

The Hydrometry and Telemetry (H&T) team are an internal Environment Agency team who install gauging sites and also monitor and maintain existing gauging sites.

On 13<sup>th</sup> April 2021 H&T were carrying out a survey to provide relevant information to install a level gauge in Penshurst at grid reference: TQ 53241 43843.

The survey team were collecting level data for the proposed gauging site at the Sewage Treatment works. The type of survey required H&T to transfer a horizontal level from the road (which has a survey control point) near the bridge to the proposed site. Due to the elevation on Rogues Hill and the requirement to have a line of sight from the level to the staff, H&T have to use temporary data points on the road. This is a normal way of transferring a horizontal level on a site with elevation and where a location is not on a clear line of sight for the level team.

The level points measured on the road are waypoint levels used to transfer data and are not independent measurements used to inform any other purpose.



The above photograph shows the proposed location of the gauging station.



The above photo shows the bridge over which access is gained to the sewage treatment works and where the gauging station will be located.

It is worth noting that there was historic H&T monitoring equipment at this location from 1976 to 1992. The original installation has become hydrometrically disengaged from the river due to natural changes to the bank and river bed.

**Environment Agency**  
**28<sup>th</sup> April 2021**