



# PERFECT CIRCLE LOWER THAMES CROSSING (LTC)

Pumping tests to support the development of the LTC preliminary design, and informing part of Statutory Consultation for the Development Consent Order

# Pumping tests in accordance with BS ISO 14686:2003

As part of the site investigation phase of Lower Thames Crossing, Stuart Wells undertook two pumping tests in accordance with BS ISO 14686:2003, including:

- Drilling and installation of all chalk abstraction, recharge & monitoring wells
- In-situ hydraulic testing
- Installation of the surface water and groundwater monitoring equipment
- MAG flowmeters with dataloggers recorded abstraction flow
- We undertook groundwater sampling and analysis together with field parameter water quality data throughout the test period.



## Objective

Stuart Wells was contracted to conduct a large scale pumping test. The tests were part of the ground investigation works out to support the development of the Lower Thames Crossing (LTC) scheme preliminary design, to inform Statutory Consultation, and for the Development Consent Order (DCO) submission.



## Solution

Two pumping tests were undertaken to determine localised hydrogeological characteristics of the Seaford Chalk formation. This data was used to support the development of the Lower Thames Crossing preliminary design and the applications for the necessary Environmental Permits for groundwater abstraction and discharge.

<b>Services</b>	<u>Pumping Tests</u>
<b>Location</b>	Gravesend, Kent
<b>Industry</b>	Construction