

Trial project: Upper Mole	New delivery model / procurement route: Cost Led Procurement
Cost savings targeted: 15% efficiency saving (20% stretch target). Efficiency target: £0.8m (stretch target £1.1m).	
Other key benefits targeted: Raise the profile of this procurement route as an alternative to those more commonly used.	

Stage at which first report will be published:	Kick off meeting	Brief / Team Engagement	Decision to Build	Build and Occupy
Cost saving basis:	Outline saving aspiration	Challenging cost target	Award cost	Outturn cost

Trial project details	
Project title	Upper Mole Flood Alleviation Scheme, Clays Lake
Client department	Flood and Coastal Risk Management
Project value	£5.4m (pre-saving budget pending approval; part of £20m scheme)
Form of project	Replacement of and extension to existing Reservoir Structure
Main contractor	To be selected from forthcoming Water and Environmental Management (WEM) Procurement Framework
Lead designer	Jacobs Engineering
Key suppliers	EC Harris; others to be confirmed in due course from the WEM Framework



Tilgate lake – part of the Upper Mole FAS.
 Delivered in June 2011.

Executive summary:

Following flooding in 2000, the Environment Agency (EA) began developing the Upper Mole flood alleviation scheme (UMFAS) to reduce the risk of flooding to Crawley including Gatwick Airport. The preferred solution is to build three flood storage reservoirs at Tilgate Park Crawley, Worth Farm (by junction 10a of the M23) and Clay's Lake near Balcombe.

EA has since completed work at Tilgate Park and we expect to finish Worth Farm this December (2013) and plans to commence Clays Lake in Autumn 2014.

The design solution adopted for each site is holistically the same. Each includes the construction of an earth embankment using locally won material from an on-site borrow pit. The locally sourced material will make up the vast majority of the dam which will support an impervious clay core. Some high-quality material will have to be sourced off-site. The dams are designed to work in harmony by detaining high flows on the River Mole and the Gatwick Stream therefore reducing flooding to over a 1,000 properties and Gatwick Airport.

Key local stakeholders are contributing significantly towards the scheme.