

Hurlingham Lake

Land & Water were contacted by marine Consulting Engineers, Beckett Rankine regarding the potential lining of a 6,000m² lake at The Hurlingham club in Fulham.

As a specialist in the field, Land & Water were only too pleased to offer our services and expertise directly to the Client. The lake is nestled within the 42 acre prestigious Private Members club which was to remain open throughout the works. The lake had been leaking for some time and Land & Water were invited to put forward an engineered solution.

Land & Water proposed to install a geosynthetic clay liner in two phases to reduce the environmental impacts and minimise water loss from the lake. Investigation works including bed probing, surveys and a stilling test were undertaken in order to determine the final design specification and methodology.

Once final designs were accepted Land & Water commenced on site in March with a fish rescue, ground protection and installation of a temporary cut off dam upstream of the pedestrian bridge. The lower section of lake was then de-watered and maintained using a silenced pumping system.

Working in sections the lake bed was removed by Land & Water's specialist low ground pressure long reach excavators which cast the silt and set aside. A Bentonite membrane was then placed on the firm lake bed. Once the sections of liner were joined with a bentonite slurry the excavated bed material was then placed back over the new liner.

The solution resulted in 100% of the dredge material being reused and saved the client not only cost but also the carbon emissions for disposal. Particular care was required to ensure tie-in with the lake's existing edge details. Due to the ornamental nature of the lake there were very sensitive planting regimes in place which also maximised the lake's appearance.



Project Particulars

Client: The Hurlingham Club
March to June 2022



PROJECT
VALUE: **£300,000**