

Loch Neaton Recreation Ground



Town Meeting 2022 – Grant Report

During the Winter and Spring months the oxygen levels in Loch Neaton are ideal for the fish and aquatic life in the Loch but during Summer and Early Autumn oxygen levels can suddenly crash causing fish mortality.

This is partly due to the water temperature rising but also the decomposing of seasonal weed which both depletes oxygen and raises ammonia levels.

We have been treating the Loch with beneficial bacteria to control ammonia levels and in 2022 have introduced a harmless dye that reduces red light in the water and slows down photosynthesis of the seasonal weed.

In the late summer of 2021, we had severe problems with oxygen levels and rather than continuing to rely on ad hoc pumping of the water we applied to Watton Town Council for a grant to purchase a high volume (600 litres per minute) Honda Water Pump and this was agreed.



As can be seen from the photos on the left the pump, in conjunction with a special venturi on the outlet hose, quickly reoxygenates large volumes of water. Typically, we run the pump for around 4 hours at a time with around 144,000 litres of water being oxygenated. The pump is used in different locations around the Loch each time it is used.

We can see that the pump, in conjunction with the bacteria, has been very beneficial to the Loch ecosystem. When not in use the pump is securely locked away and is not left unattended in use.

We really appreciate the Watton Town Council Grant that enabled us to make this purchase.