



ASEDA specialises in freshwater ecological surveys for conservation assessment; to monitor impacts; assess damage or recovery, flow requirements, nutrient enrichment or chemical contamination.

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Surface water abstraction

In collaboration with Water Resource Associates (WRA), an environmental appraisal assessing potential ecological impacts of utilising Woburn Lakes as a non-potable water source for Woburn Safari Park has been produced.

The potential impacts of the proposed abstraction scheme on the lake system and stream habitats were investigated. An extended Phase 1 habitat survey identified habitats of ecological interest and those suitable to support protected species. An assessment of the fish assemblages established likely implications of a drawdown scenario in the various



Sampling the Lower Hop Garden Pond

ponds.

Macroinvertebrate and macrophyte surveys of the Woburn Lakes, using a combination of National Pond Survey and PSYM methodology, established their current ecological status and assessed potential impacts of drawdown scenarios.



Lower Drakeloe Pond marginal vegetation

A River Habitat Survey of the Upper Broughton Brook was undertaken to describe the physical structure of the river corridor and assess its habitat potential for aquatic fauna. A survey, using RIVPACS sampling methodology, of the aquatic macroinvertebrate in addition to aquatic and wetland macrophyte species of the



Inflow into pond system in August

Drakeloe Stream and the upper Broughton Brook was undertaken to assess the ecological quality of the two ephemeral watercourses. Current flows were evaluated using the Lotic-invertebrate Index for Flow Evaluation (LIFE) methodology.

Enhancement and mitigation measures were proposed to improve the current ecological quality; to create a faunal assemblage more robust to potential drawdown conditions; and to address the implications of a severe drought scenario.



Principal project collaborators in this issue:

WATER RESOURCE ASSOCIATES