



PROBLEM

The Ministry of the Environment directed the Region of Durham Works Department to undertake investigations to assess the potential impact of the municipal well fields in Uxbridge on the natural function of Uxbridge Brook and its fish habitat.

APPROACH

Jagger Hims Limited worked with an environmental consulting firm with expertise in ecology to compliment our hydrogeologic skills. We developed a groundwater and surface water monitoring program in collaboration with our sub-consultant to establish the sensitivity of natural features and aquatic habitat within this zone of influence.

SOLUTION

The project team prepared a study integrating our findings to identify areas potentially at risk. A monitoring program and trigger mechanisms were included in the report to address the concerns of the Ministry of the Environment and to allow the Region to remain compliant with the operation of its municipal water works. This work is intended to provide baseline data for guiding the Region with further groundwater extraction.