

FITCH BROOK WATERSHED
STREAM SURVEY

PREPARED FOR: MEMPHREMAGOG-CONSERVATION, INC.

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I N T R O D U C T I O N

Fitch Brook and its six (6) major tributaries join before emptying into Fitch Bay of Lake Memphremagog. Fitch Brook flows from Lovering Lake, located north-northeast of the Bay itself. Its drainage basin measures approximately 21 square miles or 54 square kilometres (Régie des Eaux du Québec, 1971) and is composed mainly of forest and pasture.

Lovering Lake was excluded from the study and the total land area surveyed was 6 square miles or 15 square kilometres.

The agglomeration of Fitch Bay is situated along the Brook's banks, approximately four thousand (4000) feet from the Bay. The major tributary of Fitch Brook flows through the village, and its water quality is significantly affected by the constructions located within one thousand (1000) feet of the streambanks.

A sawmill is located on Fitch Brook. It has no observable effect on the quality of the stream as presently operated, although sawdust was discovered in the sediments at the mouth of the Brook, in Fitch Bay. Several active and inactive sand pits are present within the watershed.