**Lake Champlain Basin Program**

**Quarterly Report**

**October 10, 2018**

**Organization Name:** Stone Environmental, Inc.

**Project Name:** Assessment of Tile Drainage System Impacts to Lake Champlain and Phosphorus Loads in Tile Drainage in the Jewett Brook Watershed of St. Albans Bay

**NEI Job Code:** 0100-310-002

**Project Code:** L-2016-060

**Final Report Due Date:** September 2018

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**Summary of Activities:**

***Task 1: Literature Review Examining Tile Drainage Systems***

Completed.

***Task 2: Assessment of Tile Drainage Systems in the Jewett Brook Watershed***

Completed.

***Task 3: Phosphorus Load Estimation of Tile Drainage Systems in the Jewett Brook Watershed***

A tremendous effort was devoted in the last quarter to completing tile drain flow data and concentration data processing and computing phosphorus concentrations and loading from monitored tile drains. Statistical analyses of associations among the water quality and agronomic variables were also completed.

**Project Status:**

The final report for this project is partially complete. Within the last week the final piece of the analysis, the tributary loading calculations, was completed. A request was made for a short extension in the final report due date

**Challenges Encountered:**

None.

**Work Anticipated Next Quarter:**

The final report will be completed and presented to the Technical Advisory Committee. This report will present the water quality and agronomic data collected, the results of statistical analyses, and the relative proportion of phsophorus loading attributable to tile drains.