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The Canadian Society of Civil Engineers.

INCORPORATED 1887.

ADVANCE PROOF (*Subject to revision.*)

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AN ESTIMATE OF THE DISCHARGE OF THE ST. FRANCIS RIVER.

By K. M. CAMERON, S. Can. Soc. C.E.

April, 1903.

The Summer School of Surveying of McGill University was located in September, 1902, at the Village of Upper Melbourne, near Richmond, Quebec, and on the St. Francis River. One part of the work undertaken by the students was a determination of the discharge of the river by means of current meters. This paper contains a summary of the methods employed and of the results obtained.

THE RIVER AND ITS DRAINAGE AREA.

The St. Francis River has its source in and flows through that hilly portion of the Eastern Townships in the Counties of Compton, Wolfe and Richmond, of which Sherbrooke is the commercial centre. The main drainage area, as shown by the map, is considerably greater in breadth than in length. One main branch of the river rises in Lake Memphremagog and connecting lakes, and the other is fed from Lake St. Francis and its tributary streams. These