

January 6, 2022  
File: 160900933 Task 242

**Attention: Amanda Warren, Planner**  
County of Peterborough  
470 Water Street  
Peterborough, ON K9H 3M3  
VIA EMAIL: AWarren@ptbocounty.ca

Dear Amanda,

**Reference: County No: B-120-21 and B-121-21  
Peer Review of an Aggregate Resource Assessment  
Lot 30, Concession 18 on White Valley Road, Trent Lakes, ON**

Stantec Consulting Ltd. (Stantec) was retained by Peterborough County (the County) to peer review an Aggregate Resource Assessment of the property located on Lot 30, Concession 18, White Valley Road, Trent Lakes, Ontario (the Site) completed by Cambium Inc. (Cambium, 2021), dated June 21, 2021. The purpose of the assessment was to address the County's Official Plan (OP) Section 6.2.13.2, which stipulates that if known aggregate resources are available on the Site, there is a need to demonstrate that:

- The resource use would not be feasible; or
- The proposed land use or development serves a greater long-term public interest; and
- Issues of public health, public safety and environmental impact are addressed.

Cambium (2021) focused on the feasibility of developing the Site for aggregate extraction.

This letter has been prepared to provide comments to the County on the Aggregate Resource Assessment. Stantec has conducted the peer review in keeping with the standard practice for peer reviews established under our retainer with the County. We have formed our opinions and made our comments based on a review of the documents as presented. Stantec has not conducted a site visit nor have we replicated the background data collection or analyses that are reported on in the Aggregate Resource Assessment. The summary of background data is taken at face value as presented by the Authors. Where assumptions were required to interpret the results of the Aggregate Resource Assessment, we have stated our assumptions.

The Site is approximately 39 ha in size and is bounded by forested land to the north and west, residential properties and unevaluated wetlands to the east, and White Valley Road to the south. The Site is currently undeveloped and the proponent wishes to sever two residential building lots fronting on to White Valley Road.

In support of the assessment, Cambium excavated 18 test pits across the Site to assess soil conditions. Grain size analysis were completed on select soil samples. In addition, a review of publicly available information was also completed.

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The assessment concluded that the Site would not be feasible for aggregate extraction, as follows:

- The depth to bedrock was found to be typically less than 2 m across the Site with bedrock encountered in 16 of 18 test pits.
- Aggregate quality was poor, with silt and clay content exceeding 5% in all samples.
- A number of unevaluated wetlands exist on and adjacent to the Site, which would potentially limit the extractable area.
- Bedrock quarry operations exist near the Site. Applying standard setbacks from the property boundary, road and unevaluated wetlands resulted in a conceptual extractable area for a quarry of only 2.9 ha. The extractable area is too small to pursue an aggregate license.

Stantec is in agreement with Cambium's assessment that aggregate extraction is not feasible/practical on the Site.

This review of the Aggregate Resource Assessment prepared by Cambium has been prepared as per the Contract between the County and Stantec Consulting Ltd. Should you have any questions or concerns regarding the information detailed herein, please do not hesitate to contact the undersigned.

Sincerely,

**Stantec Consulting Ltd.**

**Roger Freymond** P.Eng.  
Senior Hydrogeologist

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