

April 18, 2022

Submitted to:

Director, Environmental Approvals Branch
Manitoba Environment, Climate and Parks
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EABDirector@gov.mb.ca

CC:

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Kim Kmet, Environmental Compliance and Enforcement, Manitoba Environment, Climate and Parks
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Re: Relocation of an approved 2-cell sedimentation pond at North Little Deer Lake sub-area

Sunterra Horticulture (Canada) Inc. would like to submit this letter as a Notice of Alteration to receive an approval to relocate a previously approved sedimentation pond to a new location within the North Little Deer Lake sub-area of the Peat Harvest Licence No. 20. Developments and operations under the PHL20 are regulated by Environment Act Licence No. 2288RRR.

Please find the following documents attached to this letter:

- a Notice of Alteration form, and
- a map illustrating the proposed alteration.

Proposed Alteration

The original location of a sedimentation pond, named LD-1, was approved per the Environment Act Proposal dated December 08, 2011. As described in the proposal, a sedimentation pond may consist of 1, 2 or 4 sedimentation cells. The pond in question (LD-1) will require 2 cells. During the development within the North Little Deer Lake sub-area, it was observed that the originally proposed location for the LD-1 sedimentation pond was on a ridge – please see a map attached. Location on a ridge would prevent water flowing to the sedimentation pond as it would be at a higher elevation than the rest of the bog. Therefore, the LD-1 sedimentation pond will need to be relocated from its originally proposed location on a ridge to a new location with lower elevation. Sunterra Horticulture is proposing a new location, which is approximately 190 meters north of the previously proposed location (please see the attached map).

Effects on Environment

There expected to be fewer negative effects on the Environment by developing the LD-1 sedimentation pond at a new location than at the original location, because:

- 1) the original location on a ridge has merchantable timber that would need to be removed for the construction of the pond. The new location does not contain merchantable timber, as there is only non-merchantable timber present.
- 2) developing the sedimentation pond at its original location would result in a non-functioning sedimentation pond as drainage water would not flow uphill to the pond, in which case all resources and materials needed for the development, including timber clearing and excavation work, would be spent in vain.

Timeline

The sedimentation pond LD-1 will consist of 2 sedimentation cells (please see the attached map). The development of the first cell will begin as soon as the approval for the relocation has been granted. The second sedimentation cell will be built in 2023 once the development of peat harvest areas resumes in winter 2022-2023. At the moment, one sedimentation cell is sufficient for the peat harvest areas that were developed in winter 2022.

Each sedimentation cell will be approximately 100 metre long, 15 metre wide, and 3 metre deep, with side slopes of 2:1 (slope base : slope height).

Water quality monitoring will follow the requirements of the Environment Act Licence 2288RRR.

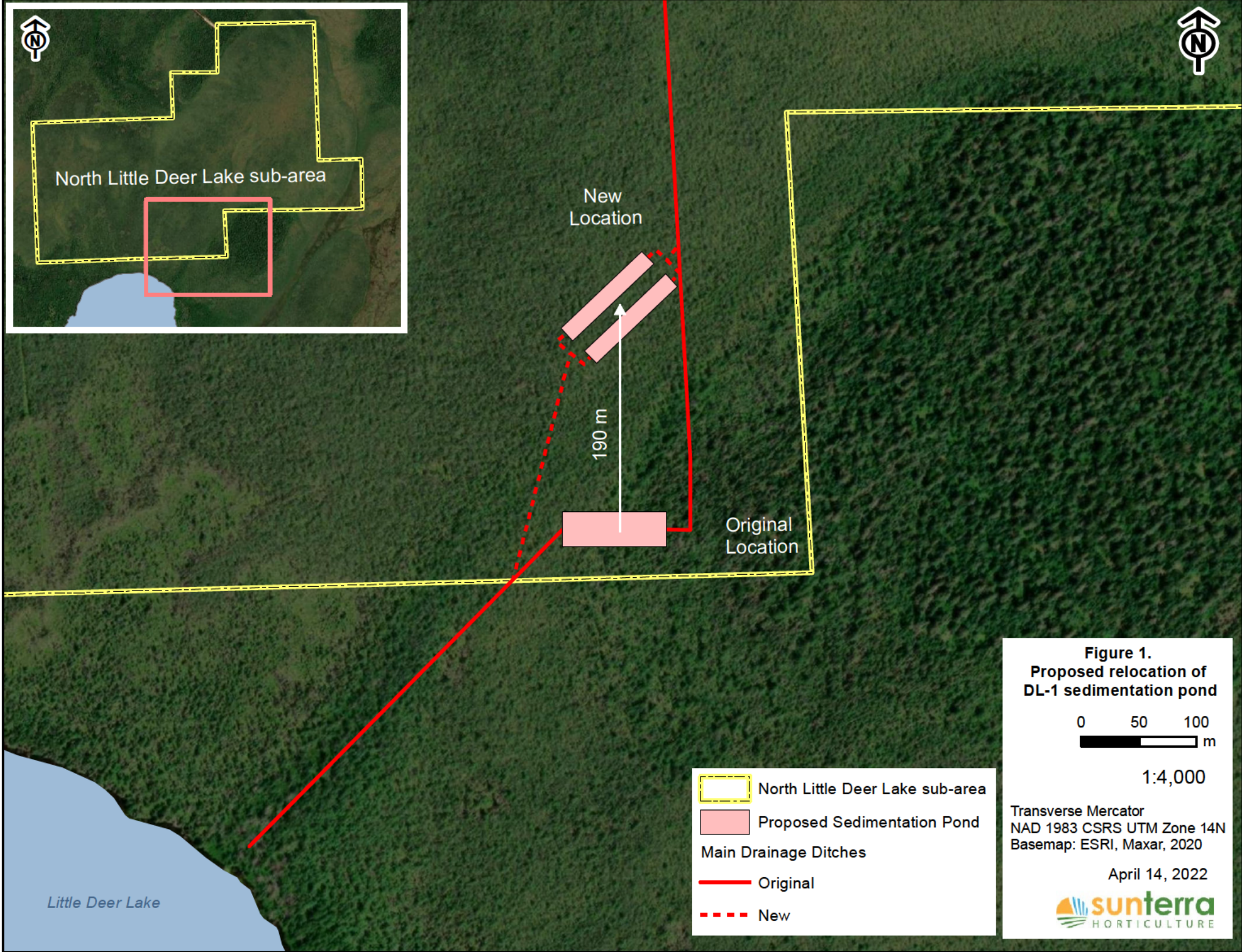
If you require any additional information, please do not hesitate to contact me anytime.

Sincerely,



Vitaly Golubev, M.Sc.

Environmental Manager
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North Little Deer Lake sub-area

New Location

190 m

Original Location

Little Deer Lake

- North Little Deer Lake sub-area
- Proposed Sedimentation Pond
- Main Drainage Ditches**
- Original
- New

Figure 1.
Proposed relocation of DL-1 sedimentation pond

0 50 100
m

1:4,000

Transverse Mercator
NAD 1983 CSRS UTM Zone 14N
Basemap: ESRI, Maxar, 2020

April 14, 2022

