

# LAKE MANITOBA LAKE ST. MARTIN

## OUTLET CHANNELS PROJECT

### Sediment Management Plan

#### Questionnaire

#### General Information (Please provide your contact information)

\_\_\_\_\_  
Name

\_\_\_\_\_  
Community

\_\_\_\_\_  
Mailing Address

\_\_\_\_\_  
Phone Number

\_\_\_\_\_  
Email

Do you wish to self-identify as an Indigenous Person in Canada, such as First Nations, Metis or Inuit?

Yes

No

Manitoba welcomes responses from all to this questionnaire, including Indigenous individuals. Manitoba remains committed to meaningful and respectful Crown-Indigenous Consultation with Indigenous groups.

In addition to your responses, your personal information is being collected to be able to contact you for follow up if needed. Your responses will be collected and used to help support the provincial and federal environmental assessment process for the Lake Manitoba and Lake St Martin Outlet Channels Project and will inform the Crown-Indigenous Consultation process and project planning. Responses and information collected through this questionnaire will be protected by Manitoba Infrastructure but may be shared with other provincial and federal regulatory bodies to meet environmental regulatory requirements.

## Overview of Plan and Questionnaire

The Sediment Management Plan (the Plan) presented during consultation and engagement is considered draft and will not be finalized until input is obtained from potentially affected Indigenous groups and stakeholders. The Plan will be finalized once applicable feedback has been received, final design details are determined, and environmental approval conditions are available. This questionnaire is intended to be completed after reviewing the Plan. It is recommended that the report is read as a whole so that sections or parts should not be read out of context.

The purpose of the Plan is to outline measures to minimize or mitigate impacts of in-stream sediment from construction activities in or near water, shoreline erosion and commissioning of the Lake Manitoba and Lake St. Martin Outlet Channels Project (the Project).

The objectives of the Plan are to:

- Minimize the potential for erosion and sedimentation.
- Manage potential drainage issues (e.g., run-off).
- Minimize the effects of sediment to the receiving waterbody.
- Develop emergency response practices.

## Part 1 - Introduction

1. The Plan (Sections 6 and 14) outlines project design, planning and temporary measures that will be used to control erosion and sediment movement during **construction** of the Project and other project components. For example, a double turbidity curtain (two separate turbidity curtains) will be used when excavating the inlets and outlets. Do you feel these measures are robust enough to minimize erosion and sediment transport during the **construction** phase?

Yes

No

If no, please explain:

Please identify any additional measures you feel should be applied:

2. Permanent vegetation cover (as described in the Revegetation Management Plan) will be the primary method to control erosion and sediment during **operation** of the Project. Critical areas such as the channel inlet and outlet, water control structures, and bridges will have additional methods of permanent erosion protection as outlined in (Section **Error! Reference source not found.** and 15.2). Do you feel these measures are robust enough to minimize erosion and sediment transport during **operation** of the Project?

Yes

No

If no, please explain:

Please identify any additional measures you feel should be applied:

Surface water quality monitoring (as described in Sections 8 and 16 of the Plan; the Aquatic Effects Monitoring Plan; and Surface Water Management Plan) will be undertaken throughout the construction and operation of the Project to assess the effectiveness of proposed erosion and sedimentation control measures. Do you feel this is robust enough to monitor effects of the Project?

Yes

No

If no, please identify how you would change this approach:

3. It is possible that short-term increases in suspended sediments over background levels may occur during commissioning and initial operation of the channels and work to develop a response protocol that links to the adaptive management strategies for each channel. Could sedimentation affect your current use of water bodies in the area?

Yes

No

If yes, please describe how:

If applicable, please describe how this could affect traditional activities in the area:

4. The Emergency Outlet Channel used the natural Buffalo Creek drainage to pass flood flows. This caused debris and sediment to enter the water and Manitoba Infrastructure received complaints from commercial fishers about sediment build-up on fishing nets. With the project, all of the vegetation and organic material will be removed within the footprint of the channels being constructed. Do you feel mitigations, such as channel design, identified in the Plan will be effective at minimizing potential effects related to sediment build-up on fishing nets?

Yes

No

If no, please describe other mitigations that could be applied:

5. Do you feel mitigations, such as channel design, identified in the Plan will be effective at minimizing potential effects related to sedimentation of substrates that could affect fish targeted by the fishery?

Yes

No

If no, please describe other mitigations that could be applied:

## Part 2 – Lake Manitoba Outlet Channel

6. Are you aware of any vulnerable areas on or near your property that are at risk of erosion or slope failure due to construction or operation of the Lake Manitoba Outlet Channel?

Yes

No

If yes, please identify the location of the sites on Figure 1:

7. The erosion and sediment control measures are designed to mitigate the potential environmental effects during construction and operation activities for the Lake Manitoba Outlet Channel. In your opinion, for which waterbody is sediment transport or increased sediment as a result of the project a concern?

Lake Manitoba

Birch Creek

Lake St. Martin

None of the above

All of the above

Please explain why you think sediment transport is a concern for these waterbodies:

Please identify any additional waterbodies that you're concerned about:

8. The Plan (Section 7.1) discusses permanent erosion and sediment control methods that will be utilized at the banks and shorelines near the Lake Manitoba Outlet Channel inlet and outlet. Do you have concerns that sediment transport may affect the shoreline of Watchorn Provincial Park and its recreation use?

Yes

No

If yes, please explain:

## Part 3 – Lake St. Martin Outlet Channel

9. The temporary erosion and sediment control measures are designed to mitigate the potential environmental effects during construction activities for the Lake St. Martin Outlet Channel. In your opinion, for which waterbody is increased sediment or sediment transport as a result of the project a concern?

Lake St. Martin

Buffalo Creek

Dauphin River

Lake Winnipeg

None of the above

All of the above

Please explain why you think sediment transport is a concern for these waterbodies:

Please identify any additional waterbodies that you're concerned about:

10. As shown in Figure 2, during the construction of the Lake St. Martin Outlet Channel, overland drainage from the east side will be collected in a permanent outside drainage ditch and routed towards Buffalo Creek and Sturgeon Bay, settling ponds are planned to intercept the outside drainage to reduce the potential for sediment release downstream into Buffalo Creek and Sturgeon Bay. Do you have concerns about sediment transport into Buffalo Creek and/or Sturgeon Bay during construction?

Yes

No

If yes, please detail any concerns you may have:

11. Do you have any concerns with the potential locations for settling ponds as shown in Figure 2?

Yes

No

If yes, please identify which locations you're concerned with on the map.

## Conclusion

12. Are there any Project activities or effects outlined in the Plan that you feel affect your ability to practice traditional use activities?

Yes

No

Not applicable

If yes, please identify the component and explain how your ability to practice traditional use activities (including fishing, hunting, trapping, and gathering/plant harvesting) is affected:

13. Are there any Project activities or effects outlined in the Plan that you feel will have positive or negative impact on the health and socio-economic conditions (e.g. economy and culture) in the area?

Positive

Negative

Please explain:

14. How would you like to receive information about the Outlet Channels project?

Email

Mail

Website

All of the above

15. Was the information in the Plan presented in a manner that was easy to understand?

Yes

No



If no, please identify what information requires further clarification:

16. Do you have any general comments or questions?

Yes

No

If yes, please explain:

***Thank you for your feedback. Please remember to include the map with your questionnaire.***

We want to hear from you.  
Share your thoughts by highlighting or adding  
sticky notes to the maps provided below.

Figure 1: Lake Manitoba Outlet Channel

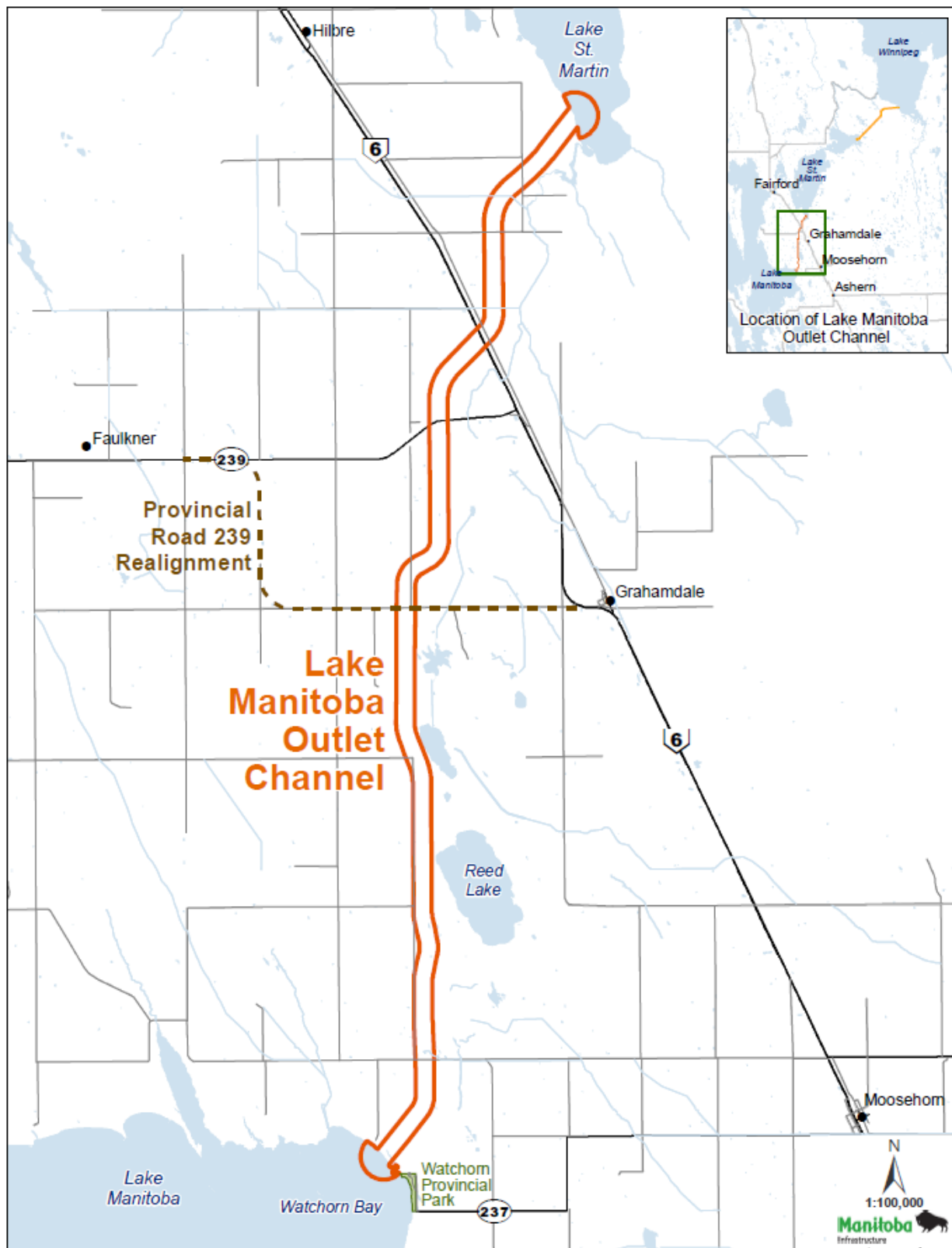


Figure 2: Temporary Drainage Plan with Preliminary Settling Pond Locations

