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# Feasibility Study – Grand Marais Boat Launch

Community Consultation  
24 & 25 August 2018

[woodplc.com](http://woodplc.com)



# Outline

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- Introduction
- Purpose of the Community Consultation
- Environmental Setting Overview
- Potential Boat Launch Locations – Pros and Cons
- Questions/Comments



# Introduction

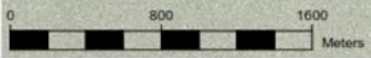
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- Grand Marais Redevelopment Plan Phase I by HTFC (2007)
  - Goal – To enhance tourism facilities, improve services and attract investment to the area.
  - Construction of a marina proposed.
- Wood retained by the RM of St. Clements in March 2018 to conduct a feasibility study for a boat launch – considering initially 4 locations which increased to 8 locations.
  - Ongoing.
  - Desktop studies for climate, Lake Winnipeg water levels, rare species and species at risk.
  - Site visits - wildlife, vegetation, water level reconnaissance.



# Purpose of the Community Consultation

- Share information gathered to date.
- Solicit input from interested parties.
- Basis for next steps of study.



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440 DUNDAS STREET WEST  
WINNIPEG, MANITOBA R3B 0Y6  
PHONE: 204.482.2200 FAX: 204.482.2201

RURAL MUNICIPALITY OF ST. CLEMENTS

**NOTE:**  
- SITE FEATURES AND LOCATIONS ARE APPROXIMATE.  
- IMAGES FROM GOOGLE EARTH PRO AND TOPIC MAPS



NO.	REVISION	DATE	BY

FEASIBILITY STUDY

GRAND MARIAS BOAT LAUNCH  
RURAL MUNICIPALITY OF ST. CLEMENTS, MANITOBA

STUDY AREA MAP

SCALE:	AS SHOWN	FIGURE 1
DATE:	AUGUST 2018	
DRAWN BY:	MD	
PROJECT NO.:	61634902	





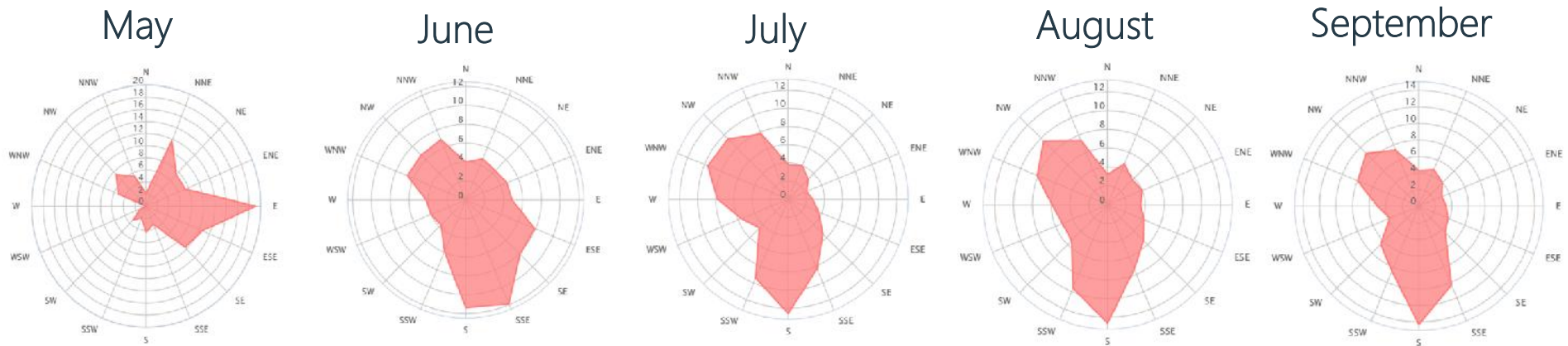
# Environmental Setting

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- Study Area divided into 3 zones.
  - Zone 1
    - Pros – sheltered, undeveloped, fairly close to business district
    - Cons – sensitive environment, shallow water levels, high dredging costs
  - Zone 2
    - Pros – proximity to business district, good access road, deep water levels
    - Cons – actively eroding shoreline, subject to wind & ice damage, high construction costs
  - Zone 3
    - Pros – slightly sheltered, undeveloped, good road access
    - Cons - sensitive environment, shallow water depths, high dredging costs, somewhat subject to wind & ice damage



# Prevailing Wind Direction During Open Water Season



- Relatively high potential for wind impacts to boat launch infrastructure in May.





# Wildlife & Vegetation

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- No incidences of rare species in the local study area (i.e., Grand Marais area) per Provincial database.
- Four out of 25 protected species have high potential to be found in project area.
  - Piping Plover
  - Common Snapping Turtle
  - Barn Swallow
  - Northern Leopard Frog
- Vegetation & wildlife survey conducted in June 2018.
  - Locations A to F



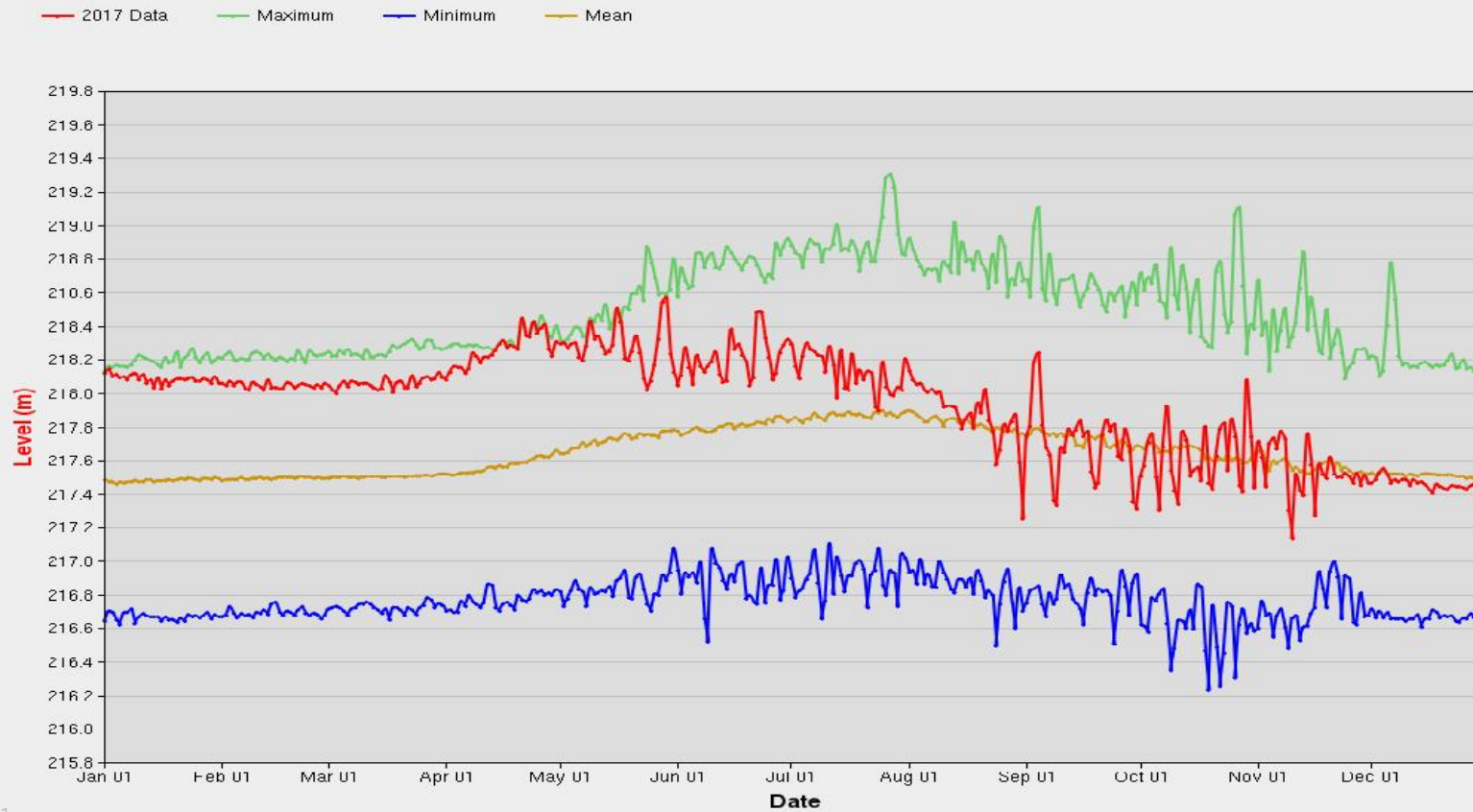
# Lake Winnipeg Water Levels

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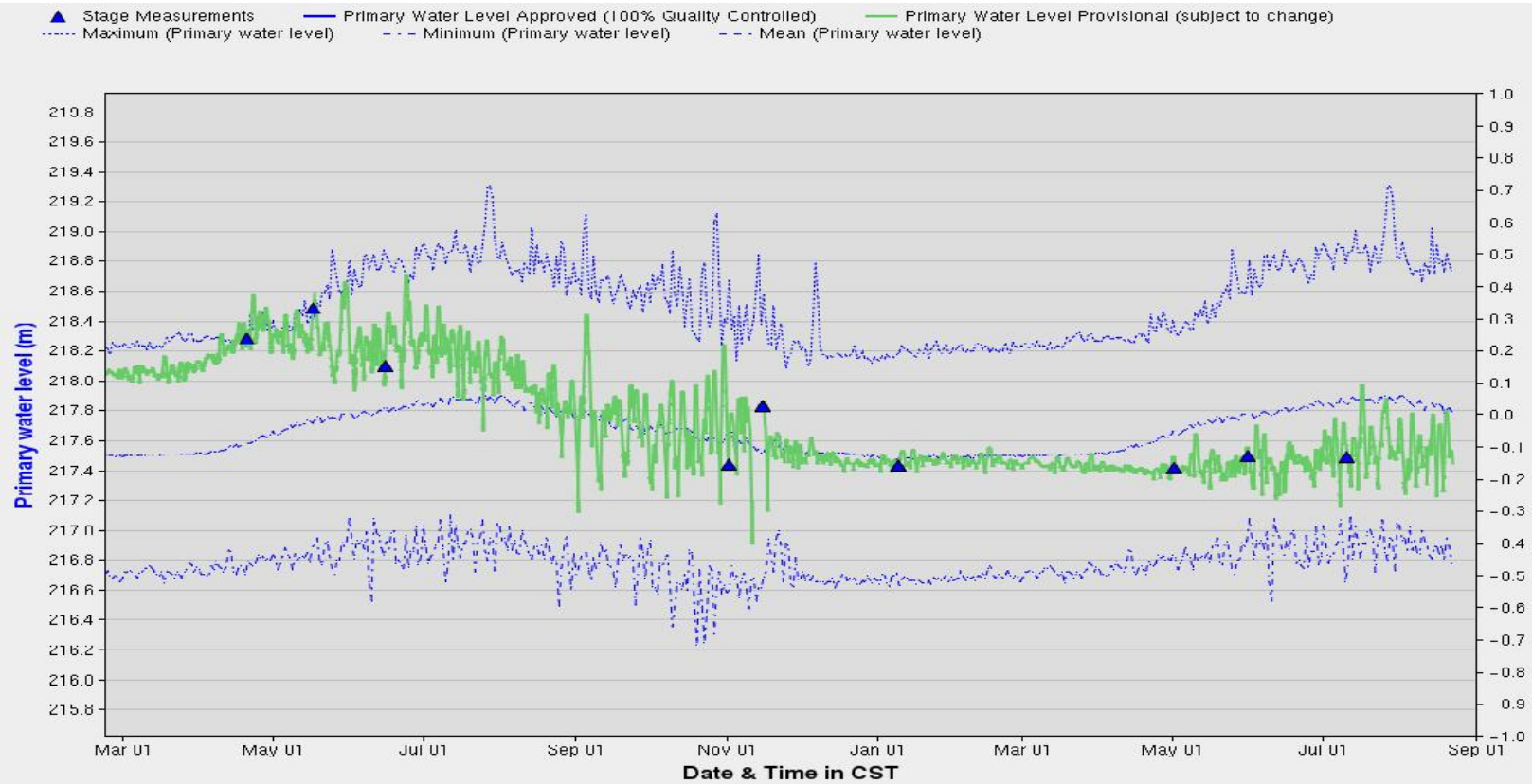
- In a typically low water level year, boating can be hampered at facilities like marinas, docks & boat launches.
- Data available for Lake Winnipeg at Victoria Beach.
- Wood attempted to conduct water depth measurements at locations A-D in June 2018.
  - Low water levels
  - Muddy conditions



# Water Levels – Victoria Beach 2017



# Water Levels – Victoria Beach 2018 to date





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440 GOVERNMENT DRIVE  
WINNIPEG, MANITOBA R3Y 1P6  
PHONE: 204.488.2267 FAX: 204.488.0311

RURAL MUNICIPALITY OF ST. CLEMENTS

**LEGEND**  
POTENTIAL BOAT LAUNCH LOCATIONS

**NOTE:**  
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NO.	REVISION	DATE	BY

FEASIBILITY STUDY

GRAND MARIAS BOAT LAUNCH  
RURAL MUNICIPALITY OF ST. CLEMENTS, MANITOBA

POTENTIAL BOAT LAUNCH LOCATIONS

SCALE:	AS SHOWN	
DATE:	AUGUST 2018	FIGURE 2
DRAWN BY:	MC	
PROJECT NO.:	8013462	

Potential  
Boat  
Launch  
Locations



## Locations A & B



- Sheltered, within RM- or Crown owned land.
- Fairly close to business district.
- Shallow water levels.
- Marshy area – high dredging costs.
- Potential for high environmental impact - Piping Plover, marshy area.



## Location B

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- Marshy area



# Location C

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- Sheltered with fair road access.
- Shallow water levels & associated high dredging costs.
- Proximity to recreational trail and privately-owned land.
- Potential for high environmental impact.
  - Common snapping turtle



# Location D

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- Sheltered with fair road access.
- Shallow water levels & associated high dredging costs.
- Proximity to recreational trail and privately-owned land.
- Potential for high environmental impact.
  - Common snapping turtle

# Common Snapping Turtle Found Near C & D

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## Location E (Lakeside near Grand Marais Blvd/Thornccliffe)

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- Fairly close to business district with good road access.
- Within RM-owned land, adjacent to private lands.
- Relatively high water levels & low environmental impact.
- Inadequate space.
- Actively eroding shoreline, subject to wind & ice damage, high construction costs.



## Location F (Sunset Beach)

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- Good road access, shallow water depth.
- Within RM-owned land, adjacent to private lands and close to Crown land.
- Far from business district.
- Potential for high environmental impacts - marshy conditions.
- Subject to wind & ice damage.



## Location G (Grand Marais Blvd/Parkview Ave)



- Very close to business district and good road access.
- Relatively high water levels & low potential environmental impact.
- Proximity to recreational area.
- Within RM-owned land, adjacent to private lands.
- Actively eroding shoreline, subject to wind & ice damage, high construction costs.

## Location H (Within Sandpit, SW of Location A )

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- Good road access.
- Fairly close to business district.
- Within RM-owned land.
- Shallow water depth & associated high dredging costs.
- Potential for high environmental impact - Piping Plover.



# Potential Boat Launch Locations Summary

Zone Area	Associated Locations	Pros	Cons
1	A, B, C, D, H	<ul style="list-style-type: none"> <li>sheltered</li> <li>undeveloped</li> <li>fairly close to business district</li> </ul>	<ul style="list-style-type: none"> <li>sensitive environment</li> <li>shallow water depths</li> <li>high dredging costs</li> </ul>
2	E, G	<ul style="list-style-type: none"> <li>close to business district</li> <li>good access road</li> <li>deep water</li> </ul>	<ul style="list-style-type: none"> <li>actively eroding shoreline</li> <li>subject to wind</li> <li>ice damage, high construction costs</li> </ul>
3	F	<ul style="list-style-type: none"> <li>slightly sheltered</li> <li>undeveloped</li> <li>good road access</li> </ul>	<ul style="list-style-type: none"> <li>sensitive environment</li> <li>shallow water depths</li> <li>high dredging costs</li> <li>somewhat subject to wind &amp; ice damage</li> </ul>

## Questions or Comments

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- Contacts:
  - Garry Marshall, EDO – RM of St. Clements, [edo@rmofstclements.com](mailto:edo@rmofstclements.com)
  - John Donetz, Sr. Environmental Scientist – Wood E&I, [john.donetz@woodplc.com](mailto:john.donetz@woodplc.com)
  - Wara Chiyoka, Environmental Scientist – Wood E&I, [wara.chiyoka@woodplc.com](mailto:wara.chiyoka@woodplc.com)





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