

SLOW THE BOW

BOWNNESS **R**ESPONSIBLE **F**LOOD **M**ITIGATION SOCIETY



**Meeting with Hon. Sonya Savage, Minister of
Environment & Protected Areas**

March 29, 2023

Request #1 Reduction of the design flow rate for the Bow River Reservoir Option Study (BRRO)

Ask: Please direct your officials to consider options, as part of the BRRO, based on a design peak flow rate of 800 m³/s.

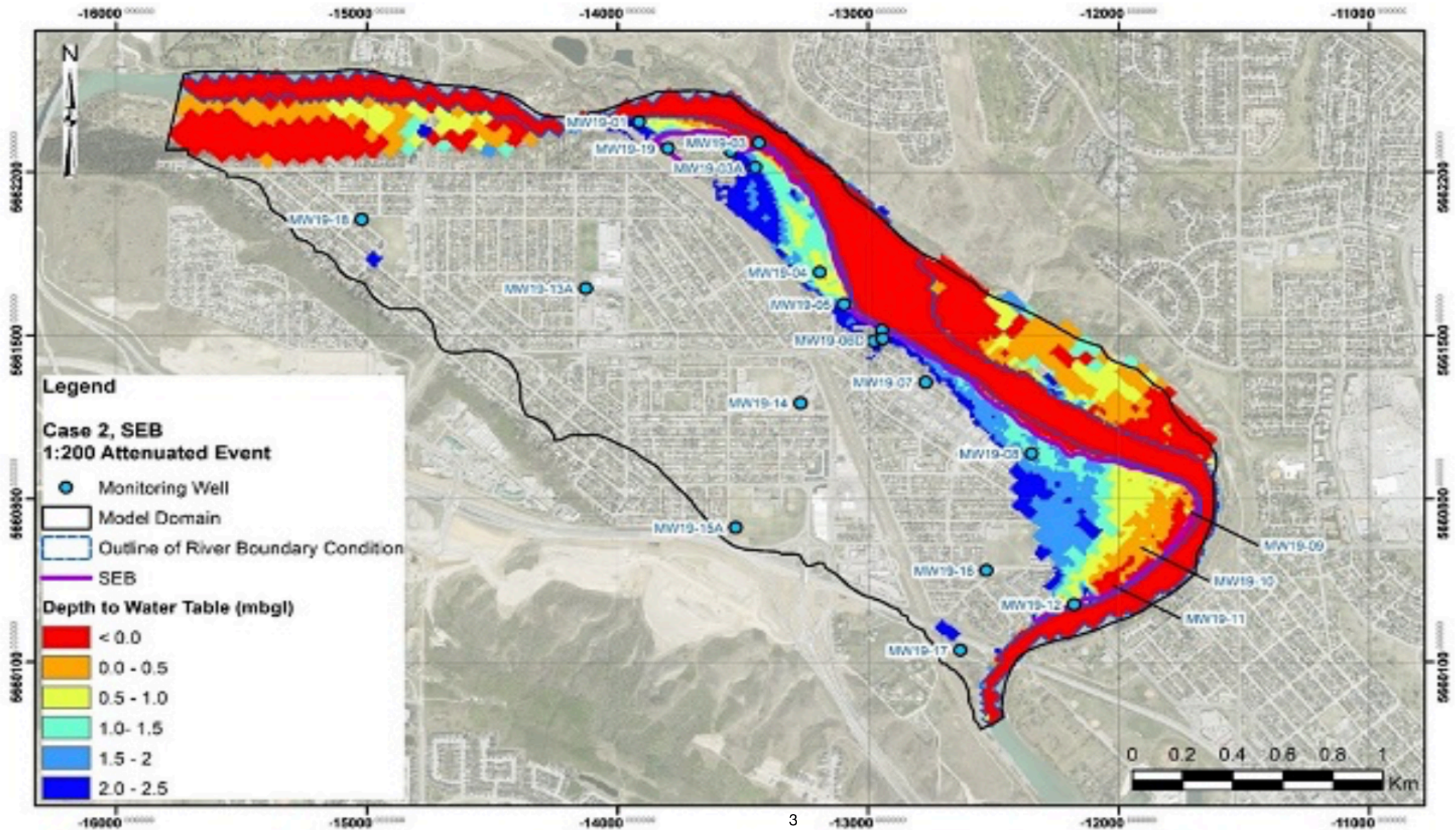
Rationale: City of Calgary commissioned groundwater report concluded the community will experience significant property damages from groundwater at the peak flow rate of 1,230 m³/s that is being used to assess upstream mitigation options.

- Groundwater impacts will occur with or without the proposed barriers in Bowness
- Groundwater flooding presents risks and dangers to Bowness and other Calgary communities



Photo taken June 7, 2020 when flow rate was approx. 250 m³/s at Bearspaw

Extent of Groundwater Flooding



Request #2 Give further consideration to the Benchlands Hydro Storage Options

Ask: Please direct your officials to give the Benchlands Hydro Storage Option a more thorough assessment and evaluation along with the current BRRO options being considered.

Rationale: In addition to flood mitigation for vulnerable Calgary neighbourhoods, this option provides five other key benefits:

- Improved irrigation opportunities for southern Alberta
- Healthier Bow River and water security
- Hydro power and valuable energy storage
- Climate adaptation
- Indigenous economic opportunity

Thank you and discussion