

# SLOW THE BOW

**B**OWNNESS **R**ESPONSIBLE **F**LOOD **M**ITIGATION SOCIETY



## IPC Meeting

Response to Recommendations for Development in Flood Hazard Zones - April 15, 2026

# Hank Vrielink Technical Lead - BRFM



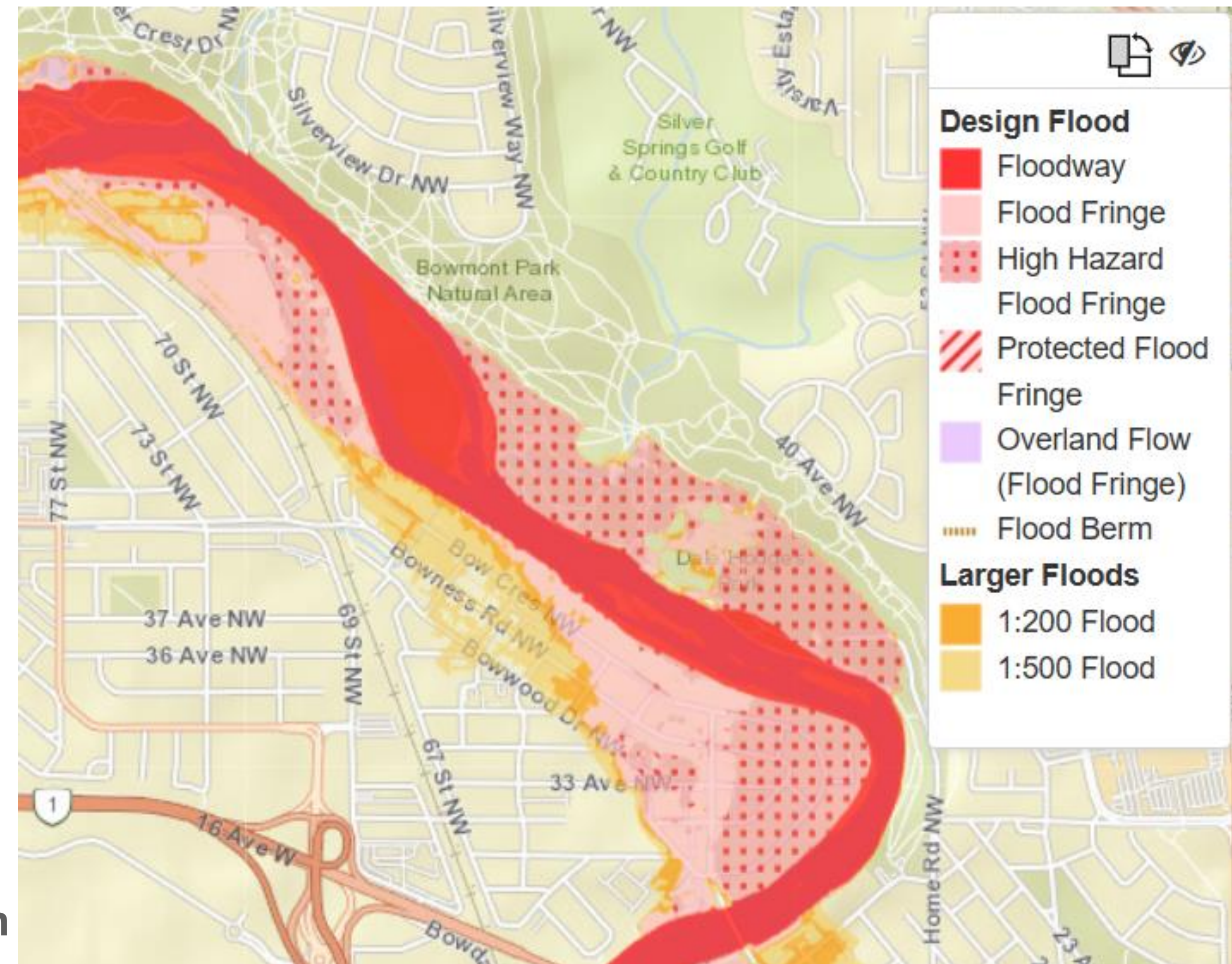
- As Significantly Impacted Stakeholders, BRFM have sought collaborative engagement with City of Calgary and Province of Alberta regarding flood mitigation and resilience for Bowness
  - City Administration has not supported collaborative engagement – Abandoned 3 initiatives



- Request Review Board to send file back to Admin to complete more thorough engagement
  - City has made commitment to community to provide individual property notification which should have been done before this hearing
  - Conduct collaborative engagement to address concerns and evaluate opportunities

# Flood Map for Bowness

- Bowness is only residential community significantly impacted by regulations
  - Only Community with Unprotected Flood Fringe
  - Only Community with HHFF
  - Groundwater impacts will essentially only impact Bowness. Other communities have groundwater protection
- High Hazard Flood Fringe Extends Well Into Community
  - Touches on Schools, Senior Homes and Addiction Recover Center
  - Impacted home owners are blocks inland from the river
- HHFF defined in Bowness by Water Depth not Velocity
  - Community based velocity model does not address specific property/development
  - Regulations related to footprint size have no technical support
  - Reducing footprint limits home owners opportunity to optimize investment
- Home owners can and should be able to manage their own financial risk.
  - Risk management should be tied to risk allocation. The city is not taking on this risk
  - 40-45% respondents concluded regulations were too strong



Regulations are discriminatory and punitive for Bowness and do not alter public safety or financial risk

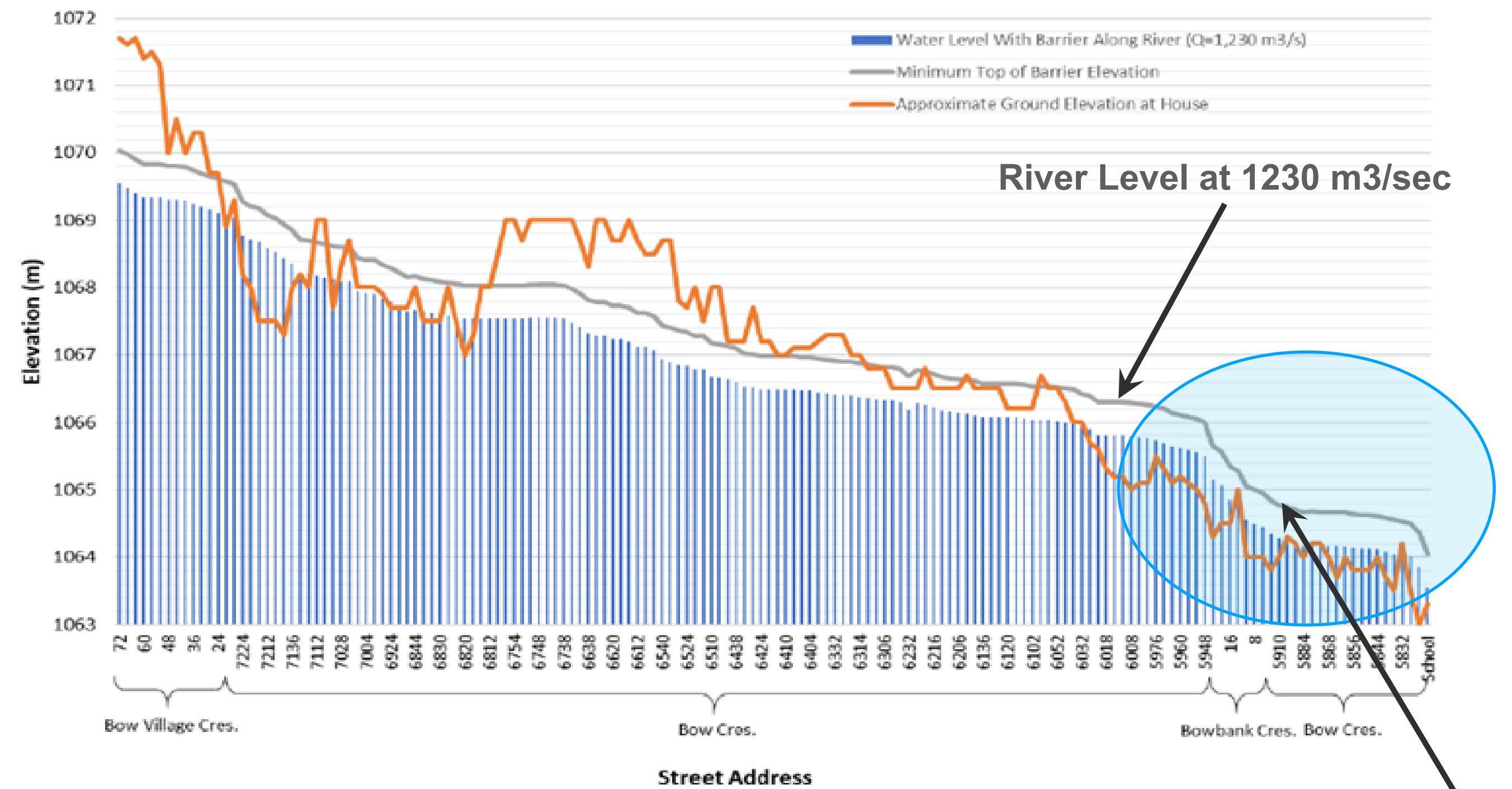
# River Before and After 2013 Flood and Erosion Protection Work



# City of Calgary Has Significantly Extended HHFF Into Bowness



Figure ES.5 Minimum Top of Flood Control Barrier Elevation



- Erosion protection work on East Bank of River and by Hextall Bridges is Choke Point Resulting in flooding flow across Bowness
  - Between Bowbank Cres and Hextall Bridge is steepest river gradient in Calgary
  - **Dredging/Deeping the channel could increase conveyance and offset effect of restriction – Reduce HHFF**