



2021 Flood Mitigation and Resilience Annual Update

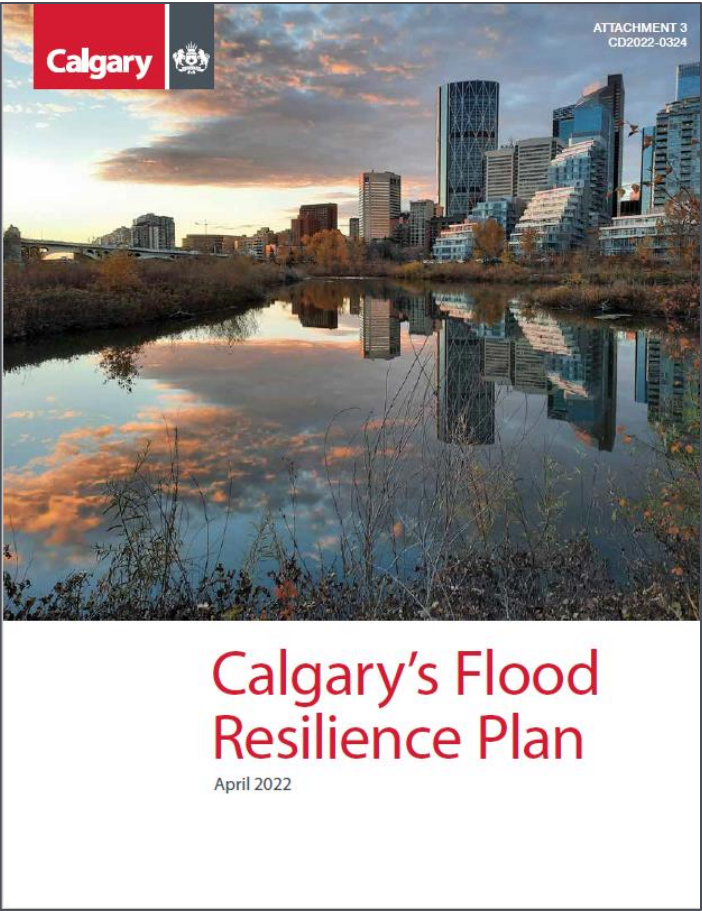
Community Development Committee
CD2022-0324
27 April 2022
Attachment 4

Administration Recommendation:

That the Community Development Committee recommend that Council:

1. Request the Mayor, on behalf of Council and their focus on climate resilience, communicate to the Government of Alberta the significance of updated Flood Hazard Area maps and a new reservoir on the Bow River for Calgary.

Calgary's Flood Resilience Plan



**Calgary River Conditions
Bow and Elbow Rivers**

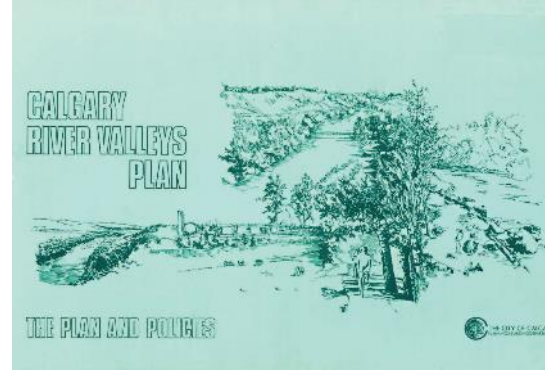
2021 milestones for Calgary's flood resilience



Springbank Offstream Reservoir



In-City Flood Mitigation



Calgary River Valleys Plan Update

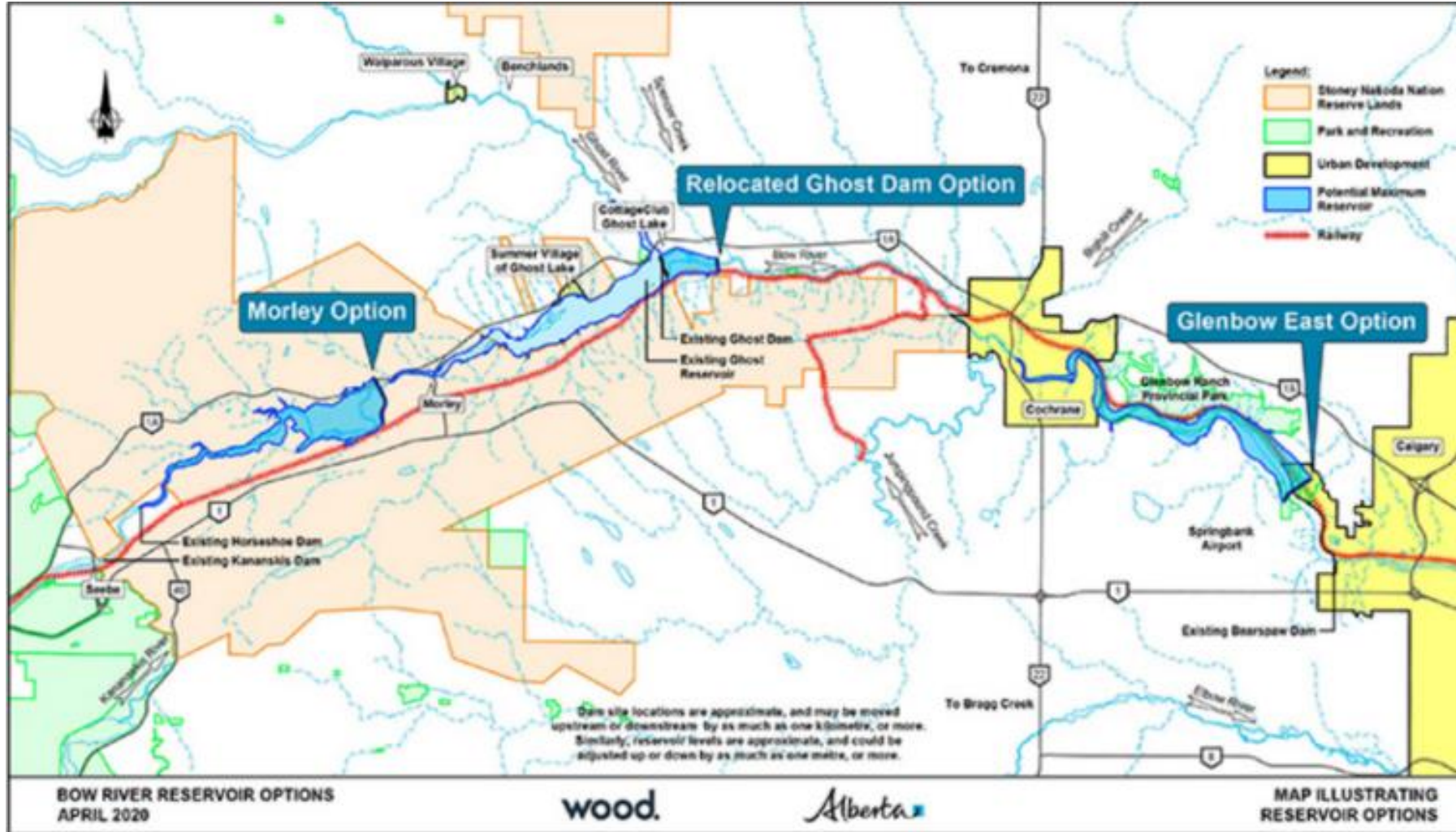


Community Drainage Improvements

What does this mean for Calgarians?

- 55% of Calgary's flood damage risk has been mitigated by measures in place as of 2021
- 70% will be mitigated when Springbank Offstream Reservoir is operational
- Work continues with communities and stakeholders

Province assessing 3 upstream Bow reservoir sites



Reduce flood and drought risk on the Bow River

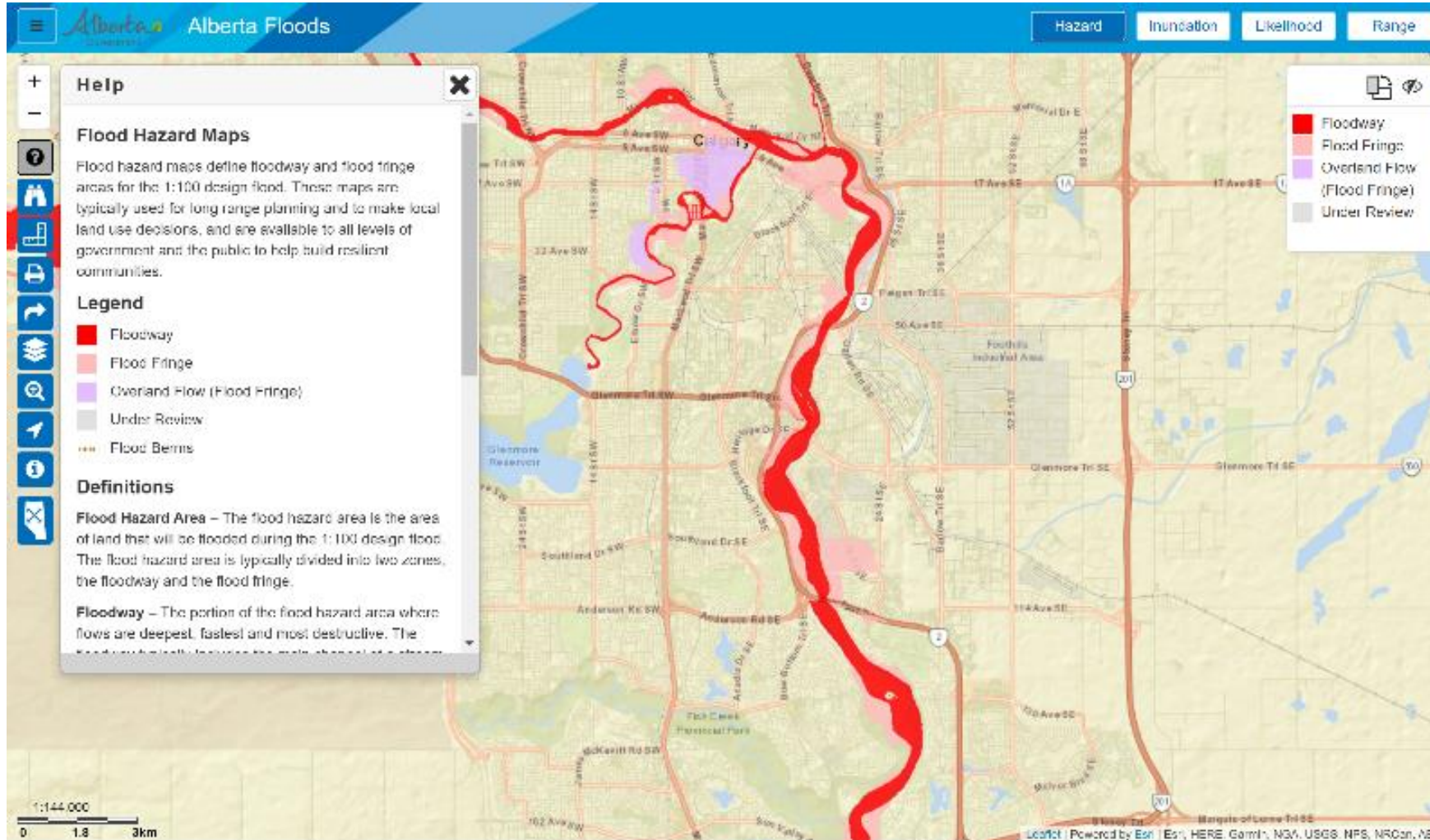
Significant implications for City risk mitigation

Parallel Bow River Reservoir Alternatives assessment

Phase 2 feasibility report due late 2023

Anticipate Phase 3 decision in 2024

Province updating Flood Hazard Area maps



Province started developing new maps in 2015

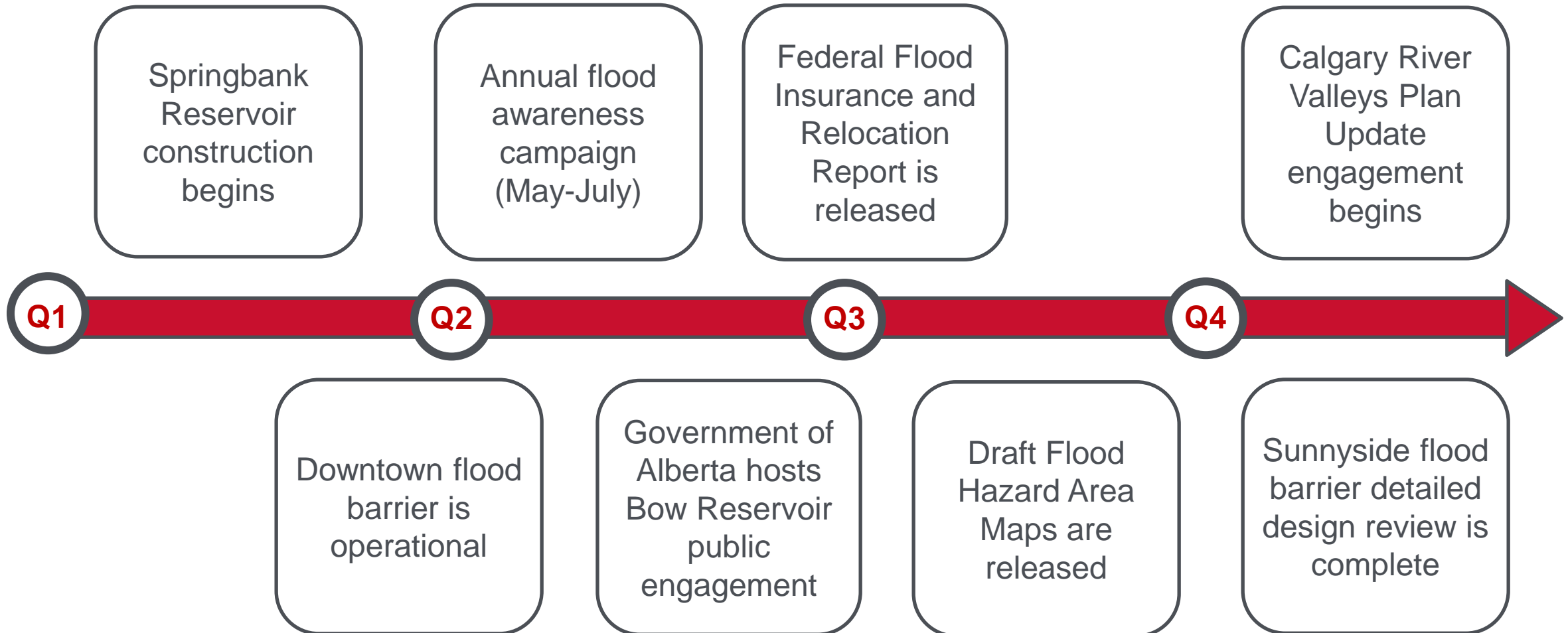
City has been preparing to incorporate new flood maps since 2019

Inform land use and development based on risk zone

Maps communicate flood risk to Calgarians



Anticipated flood resilience milestones for 2022



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