

Flood Protection in Alberta: Bow & Elbow River Communities in Calgary

Rick Blackwood

Assistant Deputy Minister, Strategy Division

Alberta Environment & Parks

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Flood Mitigation for Calgary's Bow River Communities



Ghost Reservoir

- Success in 2014 & 2015
- Ongoing discussions with TransAlta regarding a long-term agreement

Bow River Working Group

- Will build on existing knowledge to develop recommendations for Bow River flood mitigation options


Flood Mitigation for Calgary's Elbow River Communities: Springbank off-stream Reservoir Project

Project Map



SPRINGBANK OFF-STREAM RESERVOIR PATH FORWARD

PROJECT SELECTED

 Government of Alberta decides to proceed with the engineering and environmental impact assessment on October 26
Alberta Transportation responsible for project development, applying for regulatory approvals and, once received, constructing the project

PROJECT DESIGN AND ENVIRONMENTAL IMPACT ASSESSMENT

Engagement with stakeholders, including landowners, municipalities, Aboriginal communities, infrastructure companies and other flood mitigation project teams

Preliminary Engineering
Geotechnical and environmental field work
Develop mitigation measures to manage identified impacts
Prepare detailed project design

WE ARE
HERE

REGULATORY REVIEW AND APPROVAL

When complete, Alberta Transportation will submit the EIA to Alberta Environment and Parks (AEP) and, if necessary, the Canadian Environmental Assessment Agency (CEAA)
Alberta Environment & Parks decision about whether the environmental impact assessment (EIA) is complete
Application, including EIA, is submitted to the Natural Resources Conservation Board for a public interest determination
If NRCB recommends, and Cabinet approves

CONSTRUCTION BEGINS

Alberta's Approach to Flood Mitigation

- Alberta's approach to flood mitigation involves several layers
- We cannot prevent future flooding, but we can be better prepared
- Policy and program discussions, including plans for properties purchased under the 2013 flood-buyout program, are ongoing



Photo credit: Jeff McIntosh, Canadian Press

Alberta Community Resilience Program (ACRP)

The Alberta Community Resilience Program (ACRP) aims to support “resilient communities” through adaptability, innovation and shared accountability, and the desire to maintain healthy, functioning watersheds

\$150 million in ACRP funding over 10 years is committed to projects Within the City of Calgary



Watershed Resiliency and Restoration Program (WRRP)

The Watershed Resiliency and Restoration Program (WRRP) aims to improve natural watershed functions in order to build greater long-term resiliency to droughts and floods through:

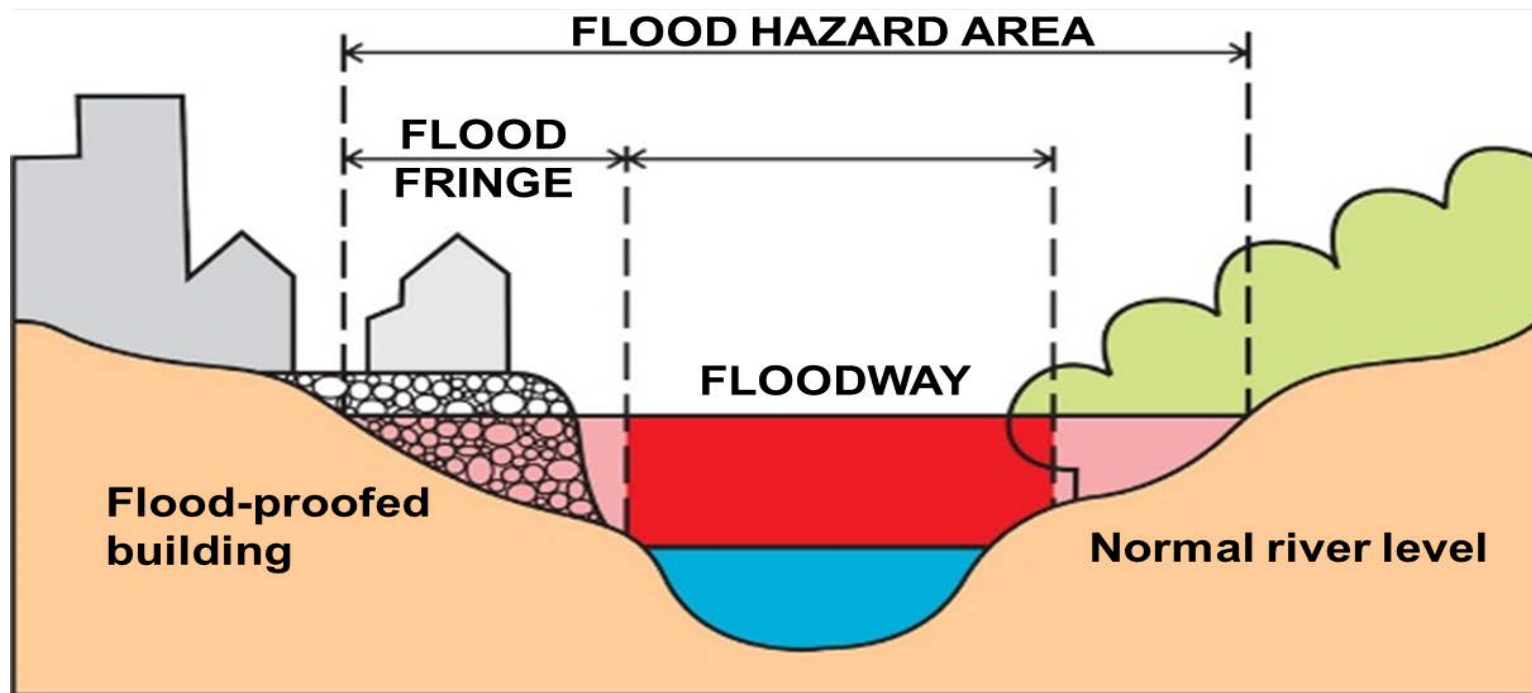
- **Restoration and Enhancement**
- **Conservation**
- **Education and stewardship**
- **Research and data**



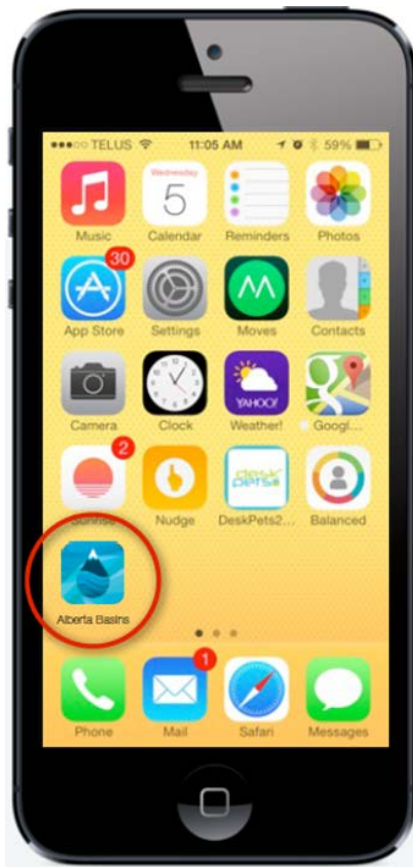
Healthy Wetlands. Elk Island National Park, Alberta

Flood Hazard Identification Program (FHIP)

Five new multi-year river hazard studies began in 2015 under the provincial Flood Hazard Identification Program, including the Bow and Elbow River Hazard Study covering Calgary.



Alberta Rivers Advisory App



AB Rivers

Provides real-time advisories and data regarding rivers across Alberta. Available on iPhone and Android

More Information

Flood Resilience & Mitigation in Alberta

<http://alberta.ca/flood-mitigation.cfm>
mitigationsecretariat@gov.ab.ca

Springbank off-stream Reservoir Project

<http://alberta.ca/springbank-road.cfm>
springbank-project@gov.ab.ca