



Regional Board Report

TO: Regional Board

FROM: Todd Cashin
Director of Community Services

DATE: November 25, 2019

SUBJECT: Regional Floodplain Management Plan – Phase 2:
Peachland and Trepanier Creeks (6430-18)

Voting Entitlement: *All Directors - Unweighted Corporate Vote - Simple Majority - LGA 208.1*

Purpose: To present information regarding the Peachland and Trepanier Creeks project.

Executive Summary:

The RDCO adopted the Regional Growth Strategy in June 2014. The RGS Priority Projects Plan, a five-year action plan outlining priority initiatives intended to continue implementing the RGS, was endorsed by the Regional Board on July 2017.

The Regional Floodplain Management Plan was identified as Project No. 1 in the Priority Projects Plan. One of the recommended tasks is to confirm the floodplains and alluvial fans to develop floodplain inundation maps within urban areas for both the Peachland and Trepanier Creeks. These maps will show flood extents and elevations, which will support identifying potential hazard areas in the community. This information will also assist with future land use decisions, flood planning, future flood risk assessment, or other flood-related works.

Geoffrey Cahill, Associated Engineering Ltd.'s Water Resources Engineer, will provide a presentation regarding the Peachland and Trepanier Creeks project.

RECOMMENDATION:

THAT the Regional Board receives the Regional Floodplain Management Plan – Phase 2 Report dated November 25, 2019, from the Director of Community Services for information.

Respectfully Submitted:

A handwritten signature in black ink, appearing to read "Todd Cashin".

Todd Cashin
Director of Community Services

Approved for Board's Consideration

A handwritten signature in black ink, appearing to read "Brian Reardon".

Brian Reardon, CAO

Prepared by: Janelle Taylor, Planner

Implications of Recommendation:

Strategic Plan:	Receiving the Peachland and Trepanier Creeks project achieves the Regional Board Strategic Priorities 2019-2022 as follows: <ul style="list-style-type: none"> • Values: Resiliency • Strategic Priorities: Sustainable Communities and Environment
Policy:	Receiving the Peachland and Trepanier Creeks project complies with the Regional Growth Strategy: Our Water Resources, Our Health, Our Climate.

Background:

Regional Growth Strategy

The RDCO adopted Regional Growth Strategy Bylaw No. 1336 on June 23, 2014. The RGS is a long-range planning tool governed by Part 13 of the Local Government Act that assists local governments to plan a coordinated future for their communities while dealing with regional issues and decisions that cross local political boundaries. The RGS is a collective vision from the regional partners for how they see the future in order to create a region that promotes growth that is economically, environmentally and socially healthy over a twenty (20) year time horizon.

RGS Steering Committee

The RGS Steering Committee, created in 2016, is a forum for senior representatives of regional and municipal planning departments, First Nations and agencies with an interest in regional planning to coordinate the strategic priorities around the region and align the priorities with the goals and policies of the RGS.

RGS Priority Projects Plan

In accordance with Section 4.1.2 of the RGS, through a collaborative process, RDCO staff, RGS Steering Committee and elected officials developed a 5 year action plan to outline the priority initiatives to implement the RGS. The 5 year action plan, endorsed by the Regional Board on July 24, 2017 is the framework for RGS implementation and based on the regional initiatives identified within the RGS and by the Regional Board. The RGS Priority Projects Plan highlights projects regional in nature that propose regional projects/actions that fulfill policies that remain outstanding or have the opportunity to be strengthened.

Table 1: Five-Year Action Plan Summary and Timeline. Dark green indicates one-time projects of limited duration; light green indicates projects that, once initiated, will be ongoing.

#	Project	2017	2018	2019	2020	2021
1	Regional Flood Management Plan: Phases 2 and 3	Dark Green	Dark Green	Dark Green		
2	Regional Planning Lab	Light Green	Light Green	Light Green	Light Green	Light Green
3	Regional Housing Needs Assessment		Dark Green			
4	Regional Growth Strategy Monitoring Program		Dark Green	Light Green	Light Green	Light Green
5	Regional Citizen Survey		Dark Green			
6	Regional Housing Strategy			Dark Green		
7	Regional Growth Strategy Five-year Review			Dark Green		
8	Regional Agricultural Strategy				Dark Green	
9	Regional Employment Lands Inventory					Dark Green

Regional Floodplain Management Plan:

Phase 1 of the Regional Floodplain Management Plan was completed in 2016 to better understand the flood risk within the Regional District of Central Okanagan. Phases 2 and 3 were listed as Project No. 1 of the Regional Growth Strategy Priority Projects Plan.

Phase 2 is focused on delineation and confirmation of the flood-prone streams and floodplains identified in Phase 1. One of the recommendations to be completed in Phase 2 was to confirm the floodplains and alluvial fans for both the Peachland and Trepanier Creeks within urban areas of Peachland. The intent is to assess the Peachland and Trepanier Creek channels and develop floodplain inundation maps. These maps will show flood extents and elevations, which will support identifying potential hazard areas in the community. This information will also assist with future land use decisions, flood planning, future flood risk assessment, or other flood-related works.

The consulting contract to complete the work was awarded this summer to Associated Engineering Ltd. LiDAR data and aerial imagery was obtained from the Okanagan Basin Water Board. The project began in August with the current draft completed in November.

The following steps were completed to assess the Peachland and Trepanier Creek channels and develop floodplain inundation maps:

1. Field Reconnaissance and Surveying
2. Hydrological Analysis
3. Hydraulic Model Build and Analysis
4. Floodplain Mapping and Reporting

Financial Considerations:

The RDCO was granted \$150,000 in funding from UBCM's Community Emergency Preparedness Fund; of these funds, \$51,000 was allocated to the Peachland and Trepanier Creeks project.

External Implications:

Regional District and Associated Engineering Ltd. staff will be providing a presentation regarding this project to District of Peachland's Committee of the Whole on November 26, 2019.

Considerations not applicable to this report:

- *General*
- *Organizational*
- *Legal/Statutory Authority*
- *Alternative Recommendation*

Attachment(s):

- Draft Report, November 2019: Peachland and Trepanier Creeks Flood Mapping Project