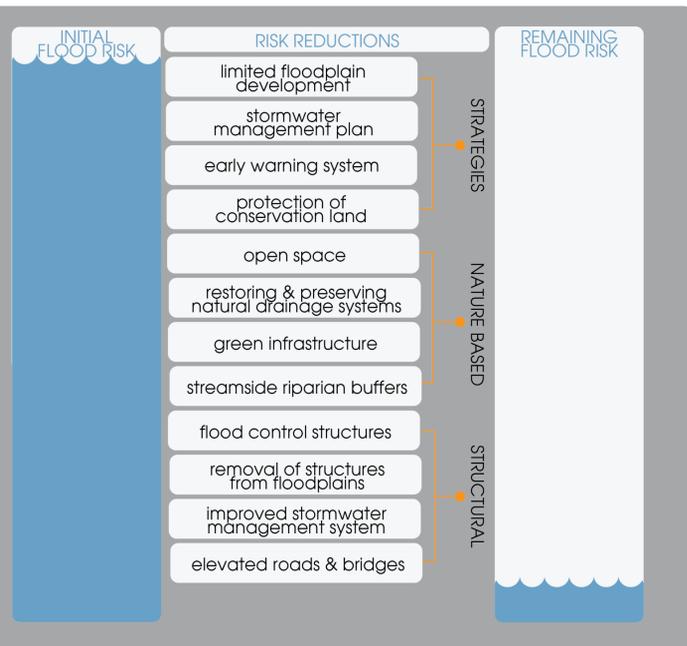


FISHING CREEK FLOOD MITIGATION STUDY

POTENTIAL STRATEGIES & SOLUTIONS

Flooding risks are never able to be fully removed from an area, however through using a combination of solutions, the risk of flooding can be greatly decreased. Solutions come in a number of shapes and sizes and range from individual solutions, local planning and regulations, structural improvements and nature based infrastructure.



STRATEGY BASED SOLUTIONS



Limited Floodplain Development helps to limit the impervious area and buildings that could be flooded.



Stormwater Management Plans create municipal standards to reduce the impact of runoff stormwater.



Early Warning System measures for potentially dangerous flooding conditions and sends alerts to the communities.



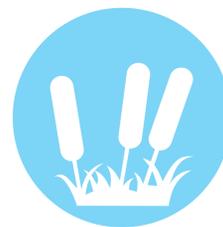
Protection of Conservation Areas through zoning and policy to protect natural landscapes and promote healthy habitats.



NATURE BASED SOLUTIONS



Open Spaces such as parks and preserves help reduce flooding due to limited impervious surface.



Restoring and Preserving Natural Drainage Systems such as wetlands allow water to be stored and reduced flooding.



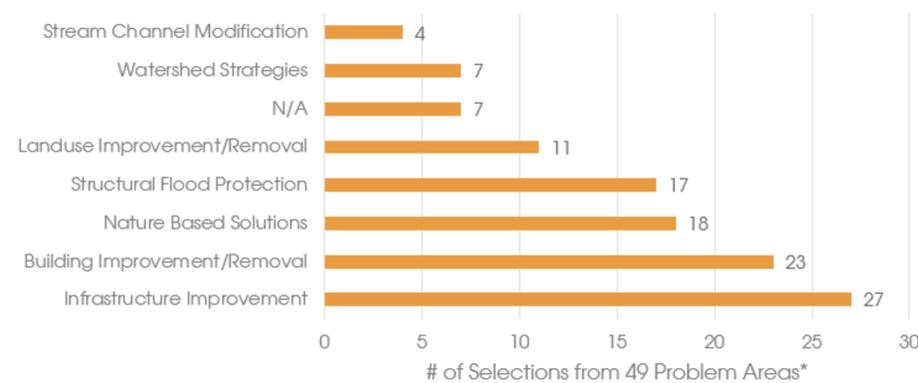
Green Infrastructure such as rain gardens allow for runoff to be captured and infiltrated reducing flooding.



Streamside Riparian Buffers help to hold stream banks in place, improve the habitat, and provide cleaner water.



SOLUTIONS TO FLOODING & WET WEATHER ISSUES
Municipalities were asked what types of solutions can help to address their identified problems



PROPERTY SOLUTIONS

The goals of this study is to focus larger community based solutions however below are solutions for individuals:

1. Elevate Home
2. Reduce Runoff
3. Sump Pump Installation
4. Move Home
5. Raise Building Systems

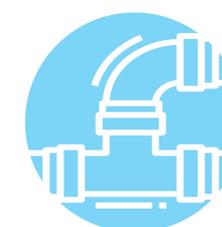
STRUCTURAL BASED SOLUTIONS



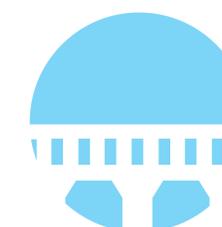
Flood Control Structures such as levees and other physical barriers that help prevent areas from flooding.



Removal of Structures from Floodplains helps to remove flooding risk, and can improve water infiltration.



Improved Stormwater Drainage Systems, when upgraded systems are more effective at managing stormwater.



Elevating Roads and Bridges help to drain water, reduced flooding and allow for greater infiltration.

What can you do?
In your own backyard you can be a part of a county-wide initiative to steward and restore our vital natural resources and habitats, reduce impacts of stormwater, flooding, and erosion, and improve our drinking water quality and other watershed resources.

Learn more at: columbiaccd.org/betterbackyards.html

