

FISHING CREEK FLOOD MITIGATION STUDY

PROJECT OVERVIEW



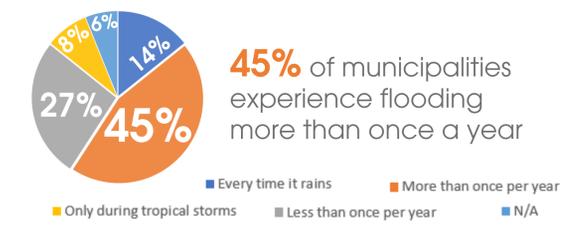
The Flood Mitigation Study is being developed to assist the County in understanding flooding issues in the Fishing Creek Watershed and identify mitigation strategies while considering effectiveness, feasibility, resiliency, and cost of those strategies and solutions.

GOALS OF THE STUDY

IDENTIFICATION OF FLOODING PROBLEMS

One of the key goals of the study is to identify what flooding means for the Fishing Creek Watershed, specifically in Columbia County. This includes identifying:

1. where does flooding occur?
2. when does flooding happen?
3. why does flooding happen?



IDENTIFICATION OF POTENTIAL SOLUTIONS

Identifying the potential solutions means determining what strategies and projects will help to mitigate the impacts of flooding in the watershed. Solutions are broken into four types, property solutions, non-structural solutions, structural solutions, and nature based. Ultimately we are working to answer the question: what is effective at mitigating or protecting against flooding?

STRATEGY BASED SOLUTIONS

- Limited Floodplain Development
- Stormwater Management Plans
- Early Warning System
- Protection of Conservation Areas

NATURE BASED SOLUTIONS

- Open Spaces
- Natural Drainage
- Green Infrastructure
- Streamside Riparian Buffers

STRUCTURAL SOLUTIONS

- Flood Control Structures
- Removal of Structures from Floodplains
- Improved Stormwater Drainage Systems
- Elevating Roads & Bridges

WHAT SUB-WATERSHED DO YOU LIVE IN?
HOW DOES LAND USE IMPACT RUNOFF IN YOUR MUNICIPALITY?

ASSESSMENT & ANALYSIS OF SOLUTIONS

The assessment and analysis of solutions will help to identify the risk, feasibility and the economic considerations for potential solutions. Solutions are broken into four types, property solutions, strategies (non-structural solutions), structural solutions, and nature based.

PROPERTY SOLUTIONS

High	Low	Medium	Medium	Medium
Flood Mitigation Performance	Resiliency	Feasibility	Cost	

STRATEGIES: LAND USE / FLOODPLAIN MANAGEMENT & NOTIFICATION SYSTEMS

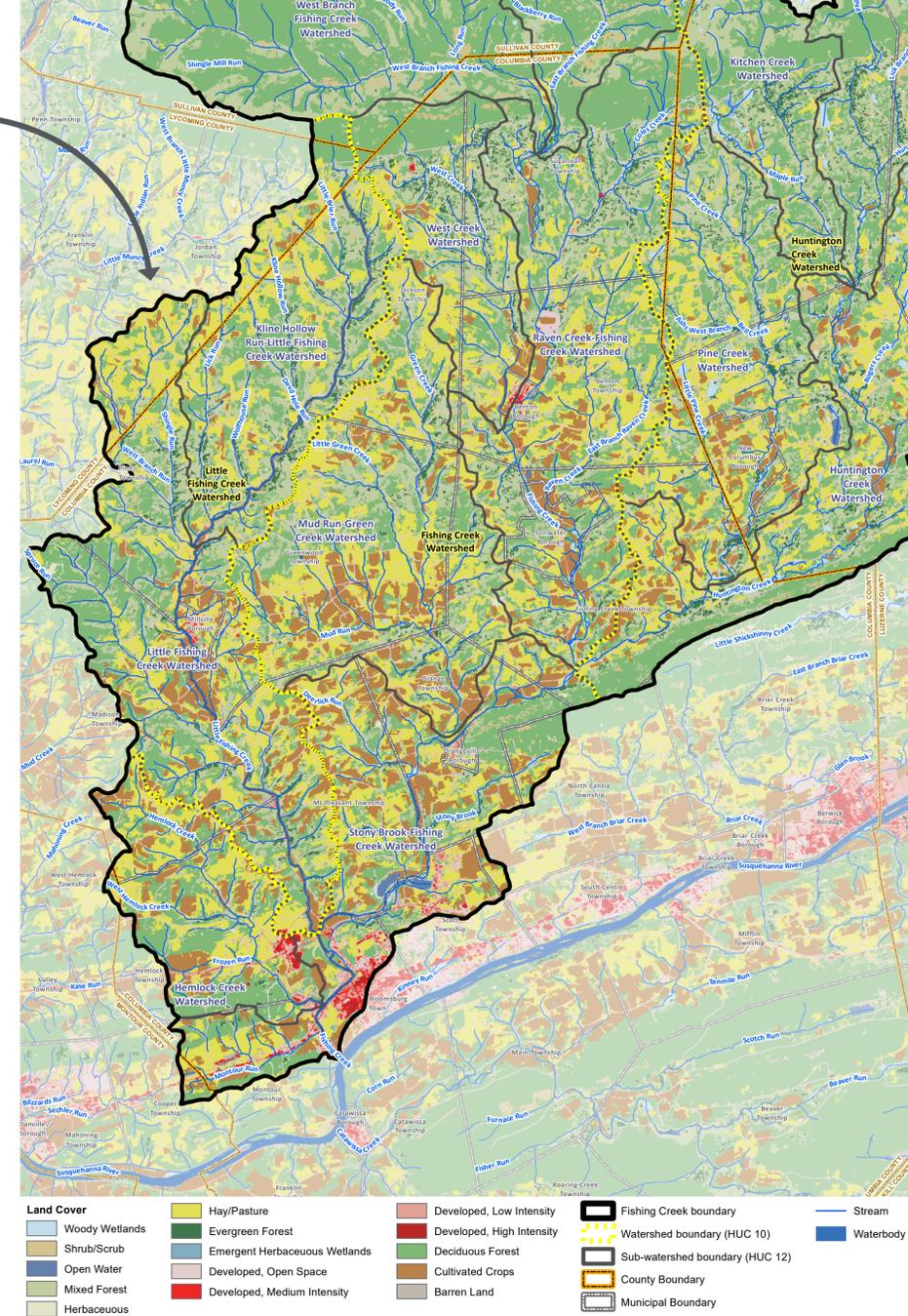
High	Medium	Medium	High	Low
Flood Mitigation Performance	Resiliency	Feasibility	Cost	

NATURE BASED SOLUTIONS

High	Low	High	Medium	Medium
Flood Mitigation Performance	Resiliency	Feasibility	Cost	

STRUCTURAL SOLUTIONS

High	High	Medium	Low	High
Flood Mitigation Performance	Resiliency	Feasibility	Cost	



PROJECT SCHEDULE



PA pennsylvania
DEPARTMENT OF COMMUNITY & ECONOMIC DEVELOPMENT

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