

Louisville Floodplain Management Plan – Draft an Action Plan



March 15, 2023



Topic: Review of alternatives from last week to select and specify those activities appropriate to the community's resources, hazards, and vulnerable properties for the action plan.

Goal 1:

Reduce the loss of life and injuries that could be caused by flooding.

- Provide more education about turn around, don't drown and emergency planning.
- Promote the use of available emergency notification methods.
- Construct flood mitigation basins or other drainage improvement projects.
- Compare current flood mapping with available flood mapping that considers climate change to identify those areas most impacted by future increased rainfall events.
- Review options for more localized stream monitoring and tie in warnings and outreach at more floodprone areas.

Goal 2:

Reduce the impacts to property that could be caused by flooding.

- Continue flood acquisition projects and prioritize repetitive loss properties.
- Increase outreach for flood insurance and CRS knowledge.
- Promote flood mitigation retrofitting to include installation of flood vents, raising utilities and equipment.
- Target most vulnerable populations with outreach regarding retrofitting options and funding options.

Goal 3: Promote flood safety and awareness of flood impacts.

- Expand audience of flood messaging by sharing outreach materials with partners.
- Expand methods of education outreach to include YouTube videos, etc.
- Create an online reporting system or app for neighborhood flooding to collect public-reported information about incidents of flooding to aid in future planning and flood modeling.
- Work with Metro TV to present educational information on exploring watersheds and the Ohio River.
- Expand available information about historic and recent flooding such as: high water markers, monuments in Metro Parks for recent flood elevations, signage for “Turn Around Don’t Drown”. Use available imagery of previous floods and recent floods in outreach.
- Expand outreach education to include flood pumpstation function and the flood protection infrastructure required to keep the city safe.

Goal 4:

Protect and improve natural floodplain functions.

- Promote the use of green infrastructure through social media, workshops, etc.
- Promote the use of riparian buffer zones and improvement of existing buffer zones.
- Review opportunities for incentives for homeowners to install raingardens or other green infrastructure.
- Encourage use of underutilized green infrastructure design methods in the MSD Design Manual.
- Provide green infrastructure demonstration areas in parks.
- Create a stream buffer guide for homeowners and HOAs
- Research opportunities for restoration or improvements of wetlands to reduce flooding.

Next Steps

- Circulate draft plan for comments (May 1, 2023)
- Finalize plan and adopt the plan (June 2023)
- Implement, evaluate, and revise annually

Questions?





Review activities

- Activities should prevent or reduce the severity of the problems
- How will activities be **funded and implemented?**
- If currently being implemented, **is activity achieving expectations?**

Goal 1: Reduce the loss of life and injuries that could be caused by flooding



- CRS Topics
 - Emergency Services (hazard warning and response, critical facilities protection, threat recognition)
 - Structural projects (drainage projects, flood control basins, levees)
 - Public information (map information, outreach projects, environmental education)

Examples Projects for Goal 1: Reduce the loss of life and injuries that could be caused by flooding

- Provide more education about turn around, don't drown and emergency planning
- Promote the use of available emergency notification methods
- Construct flood mitigation basins or other drainage improvement projects

Goal 2: Reduce the impacts to property that could be caused by flooding

- CRS Topics
 - Preventative Activities (floodplain mapping, land development code, design manual, building codes)
 - Property protection (buyouts, retrofitting, sewer backups, flood insurance)
 - Structural projects (drainage projects, flood control basins, levees)
 - Public information (map information, outreach projects, environmental education)



Examples Projects for Goal 2: Reduce the impacts to property that could be caused by flooding

- Continue flood acquisition projects and prioritize repetitive loss properties
- Increase outreach for flood insurance and CRS knowledge
- Promote flood mitigation retrofitting to include installation of flood vents, raising utilities and equipment
- Create an online reporting system or app for neighborhood flooding to collect public-reported information about incidents of flooding to aid in future planning and flood modeling

Examples Projects for Goal 3: Promote flood safety and awareness of flood impacts

- Expand audience of flood messaging by sharing outreach materials with partners
- Expand methods of education outreach to include YouTube videos, etc

Goal 4: Protect and improve natural floodplain functions

- CRS Topics
 - Natural resource protection (water quality improvement, erosion prevention and sediment control, natural area restoration, natural floodplain function protection)
 - Public information (map information, outreach projects, environmental education)



Examples Projects for Goal 4: Protect and improve natural floodplain functions

- Promote the use of green infrastructure through social media, workshops, etc.
- Promote the use of riparian buffer zones and improvement of existing buffer zones