



Community Guide to Navigating the Risk MAP Process

CHECKLIST OF COMMUNITY ACTIONS FOR EACH PHASE



WHAT TO EXPECT AT HYDRAULICS REVIEW

- The Utah Risk MAP team will organize a discussion with your community staff and leadership to discuss the hydraulic modeling and results. They'll talk to you about the approach used for the hydraulic analysis and will walk through the early results.

WHAT THE COMMUNITY WILL RECEIVE

- Engineering data: a report and hydraulic analysis showing where the water will go during flood conditions – Next, model results will be combined with other information to create the draft flood maps
- A summary map of areas where the floodplain will change significantly from the current FEMA flood mapping information

WHAT THE COMMUNITY OFFICIALS NEED TO DO

- Review the hydraulic report and draft maps, checking the analyzed areas to make sure they match the areas you were expecting to be remapped.
- Look at the report, maps, and other information to determine if:
 - all the information your community provided previously has been incorporated,
 - all your bridges and culverts are included (as they existed at the time of the field survey),
 - all your bridges and culverts are located and sized correctly, and
 - the map changes alter the flood risk for any structures in your community – consider areas where residents or business may be affected (i.e., structures with new flood risk shown that are not mapped in a floodplain on the current FEMA maps).
- If you have access to engineering staff that can review the materials, ask them to review the following technical details ensure they are all reasonable and accurate:
 - For 1D models: check cross section, Manning's Roughness equation, and hydraulic structure data (bridges/weirs)
 - For 2D models: check Manning's Roughness equations, hydraulic structure data, and grid elevations and alignment
 - Make sure no existing bridges or culverts were missed or incorrectly sized
 - Check water surface profiles, results for the different flood frequency events, and downstream boundary conditions
 - Review the discharges to ensure they are placed at the correct locations to match the information in the hydrology report

Important Note: During the study process, the community must monitor any proposed development that has the potential to change the currently effective floodplain or changes to the study in progress. The community must communicate these projects with Utah DEM and mapping partners to avoid supersession. A community-initiated Letter of Map Revision (LOMR) may also be necessary.