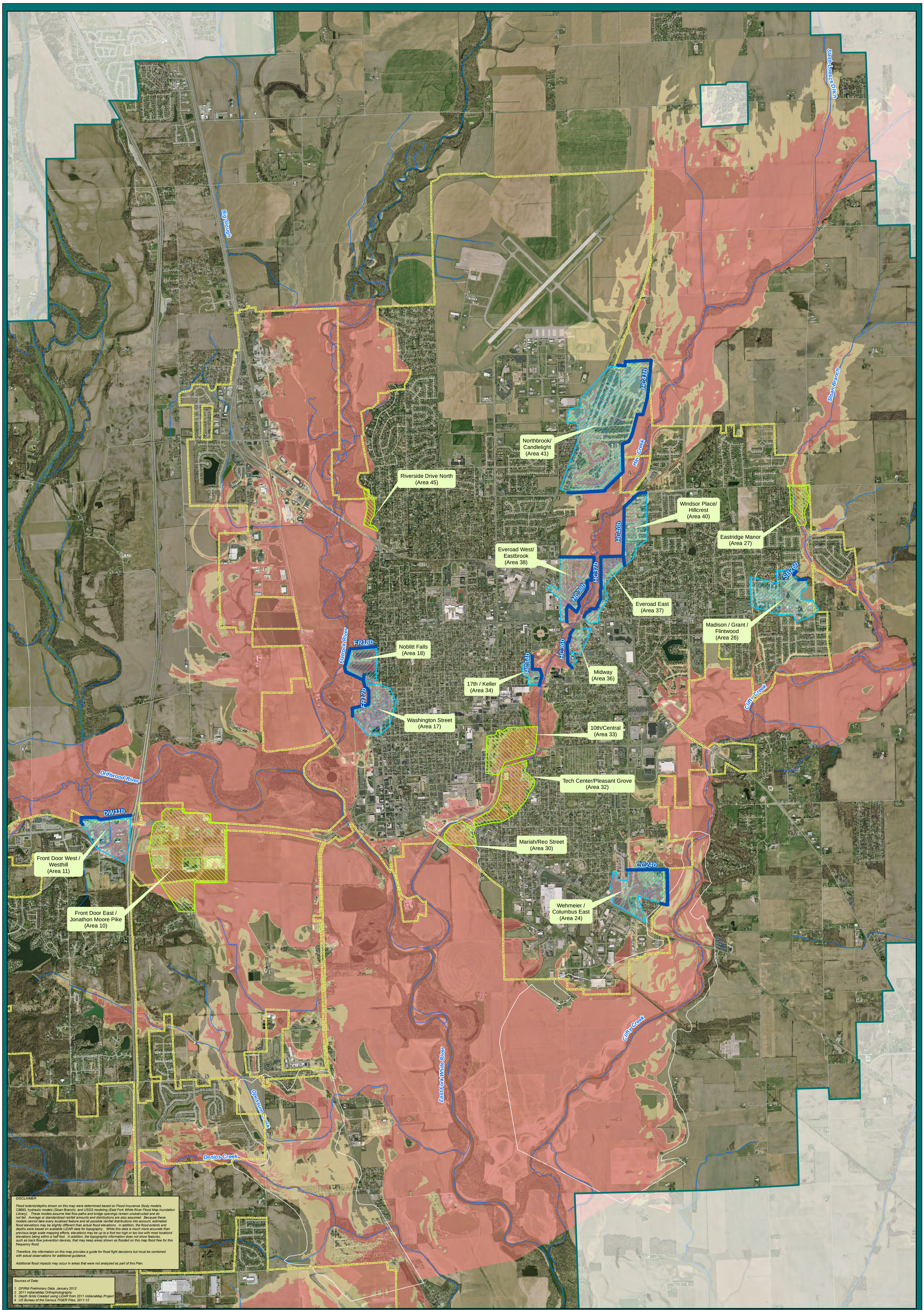

DISCLAIMER

Flood extents/depths shown on this map were determined based on Flood Insurance Study models, CBBEL hydraulic models (Sloan Branch), and USGS modeling (East Fork White River Flood Map Inundation Library). These models assume that flow paths and bridge openings remain unobstructed and do not fail. Average or standardized rainfall amounts and distributions are also assumed. Because these models cannot take every localized feature and all possible rainfall distributions into account, estimated flood elevations may be slightly different than actual flood elevations. In addition, the flood extents and depths were based on available LiDAR data for topography. While this data is much more accurate than previous large scale mapping efforts, elevations may be up to a foot too high or too low with most locations' elevations being within a half foot. In addition, the topographic information does not show features, such as back flow prevention devices, that may keep areas shown as flooded on this map flood free for this frequency flood.

Therefore, the information on this map provides a guide for flood fight decisions but must be combined with actual observations for additional guidance.

Additional flood impacts may occur in areas that were not analyzed as part of this Plan.

Sources of Data:

1. DFIRM Preliminary Data, January 2012
2. 2011 IndianaMap Orthophotography
3. Depth Grids Created using LiDAR from 2011 IndianaMap Project
4. US Bureau of the Census TIGER Files, 2011-12

- Proposed Levee
- Area Protected by Levee (Potential Floodproofing/Buyout area, if levee alternative is found infeasible)
- Area Identified for Potential Floodproofing/Buyout
- Structures within this area are candidates for floodproofing if no other mitigation solutions are implemented
- Within this area, residential structures are candidates for voluntary buyouts and commercial structures are candidates for floodproofing if no other mitigation solutions are implemented.
- Areas of Overlapping Depth Grids (see Note)
- City of Columbus
- City of Columbus Planning Jurisdiction

Note:
Flood Depths shown in the areas outlined in white are based on the larger of the flooding sources. The actual depth of flooding will depend on the degree of coincidence of the flooding sources.

Most Promising Mitigation Projects

0 1,000 2,000 4,000
Feet

N

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PROJECT: City of Columbus Flood Risk Management Plan	PROJECT NO. 12-0028	APPROX. SCALE as shown	
TITLE: Most Promising Mitigation Projects		DATE: 04/2013	
		EXHIBIT 41	