Expected Flood Depths for a 500-Year Flood

Flood-Affected Neighborhoods

Map ID & Name	Map ID & Name
1 Walesboro Airfield	24 Wehmeier / Columbus East
2 Walesboro	25 Sandy Hook / Clifty Crossing
3 *(Reserved for future use)*	26 Madison / Grant / Flintwood
4 Bethel Village	27 Eastridge Manor
5 SR 11 South	28 Regency Drive
6 Shadow Creek Farms	29 Water Street
7 *(Reserved for future use)*	30 Mariah / Reo Street
8 Huffman Drive / WWTP	31 CEP / Second Street
9 Garden City	32 Tech Center / Pleasant Grove
10 Front Door East / Jonathan Moore Pike	33 10th / Central
11 Front Door West / Westhill	34 17th / Keller
12 *(Reserved for future use)*	35 CRH
13 *(Reserved for future use)*	36 Midway
14 Mill Race Park	37 Everoad Park East
15 Tellman Camp Road	38 Everoad Park West / Eastbrook
16 Indianapolis Road	39 Ravenswood
17 Washington Street	40 Windsor Place / Hillcrest
18 Noblitt Falls	41 Northbrook / Candlelight
19 Riverside Drive South	42 Sycamore Bend / Arrowood
20 *(Reserved for future use)*	43 *(Reserved for future use)*
21 Commerce Park	44 *(Reserved for future use)*
22 Long Road	45 Riverside Drive North
23 *(Reserved for future use)*	46 Griffin Industries

DISCLAIMER

Flood extents/depths shown on this map were determined based on Flood Insurance Study models, CBBEL hydraulic models (Sloan Branch, Airport Tributary, Haw Creek, and Driftwood River LOMR), and USGS modeling (East Fork White River and Flatrock River Flood Map Inundation Libraries). 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 of a 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 and overtopped roads are not shown but may occur:
- in areas where flood depth mapping was not developed as part of this Plan, or
- on minor roads such as private drives or unnamed roads

Sources of Data:

1. 2016 IndianaMap Orthophotography
2. Depth Grids Created using LiDAR from 2011 and 2016 IndianaMap Project
3. Critical Facilities adapted from 2016 Bartholomew County MHMP
4. US Bureau of the Census TIGER Files, 2019

Approximate Depth of Flooding (in feet)

< 1	3 - 4	6 - 7
1 -2	4 - 5	7 - 8
2 - 3	5 - 6	8 +

- Neighborhoods with Frequent Flooding
- Areas of Overlapping Depth Grids (see Note)
- City of Columbus
- City of Columbus Planning Jurisdiction
- Road Overtopped from 500 Year Flooding
- (14) Neighborhood Reference Number

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.

Critical Facilities

- Airport
- Broadcast/Communication
- Dams
- Daycare Facility
- Fire Station
- Government Buildings
- Hazardous Material Handlers
- Jails
- Law Enforcement
- Medical Facility
- Military Installation
- Mobile Home Parks
- Potable Water
- Schools
- Shelters
- Wastewater Treatment Plants

N

0 0.5 1

Scale in Miles

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PROJECT:	City of Columbus Flood Risk Management Plan
PROJECT NO.	19-0132
APPROX. SCALE	as shown
DATE:	11/2020
TITLE:	Expected Flood Depths for a 0.2% Annual Chance (500-Year) Flood
EXHIBIT	40