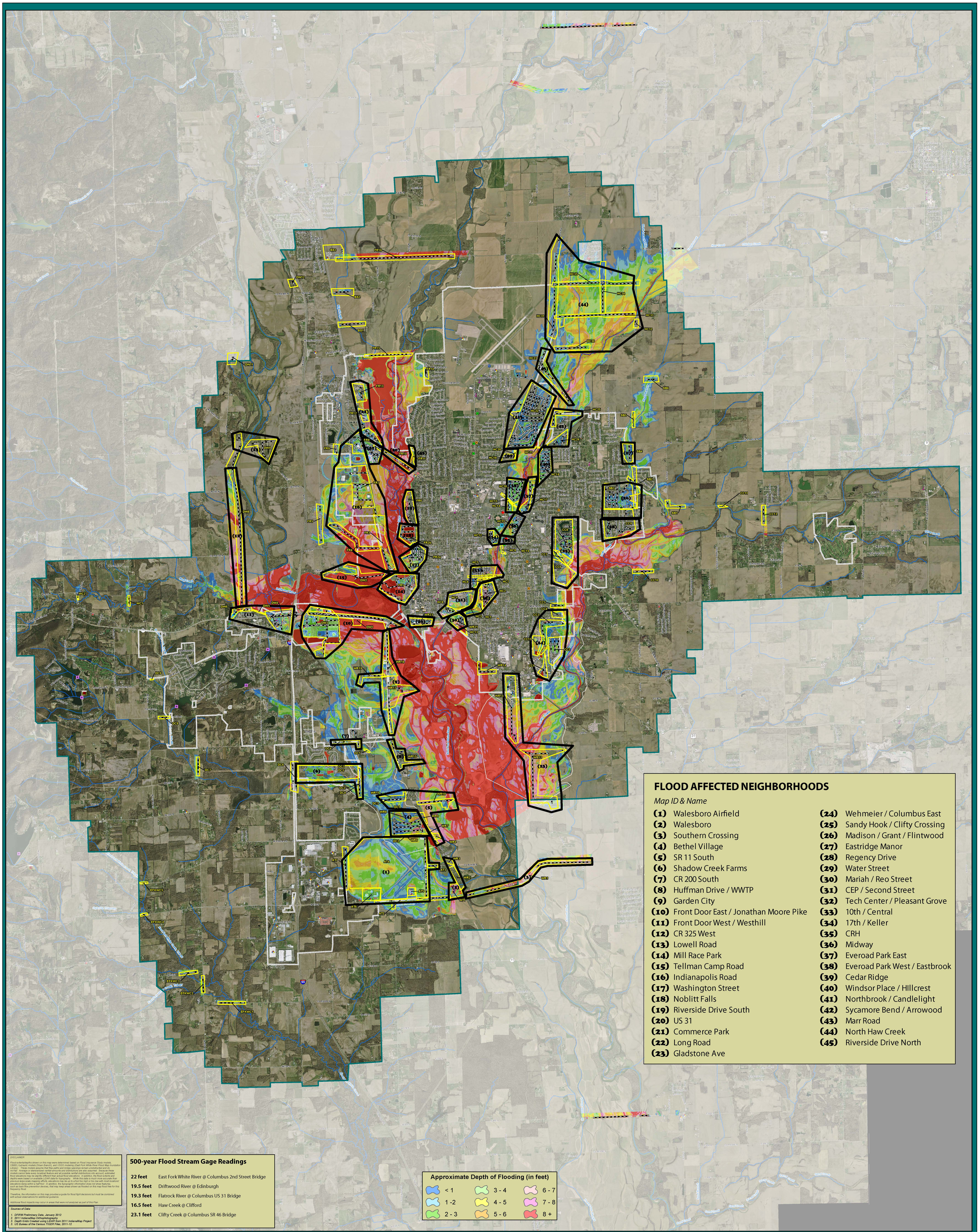
FLOOD AFFECTED NEIGHBORHOODS
Map ID & Name
(1) Walesboro Airfield
(2) Walesboro
(3) Southern Crossing
(4) Bethel Village
(5) SR 11 South
(6) Shadow Creek Farms
(7) CR 200 South
(8) Huffman Drive / WWTP
(9) Garden City
(10) Front Door East / Jonathan Moore Pike
(11) Front Door West / Westhill
(12) CR 325 West
(13) Lowell Road
(14) Mill Race Park
(15) Tellman Camp Road
(16) Indianapolis Road
(17) Washington Street
(18) Noblitt Falls
(19) Riverside Drive South
(20) US 31
(21) Commerce Park
(22) Long Road
(23) Gladstone Ave
(24) Wehmeier / Columbus East
(25) Sandy Hook / Clifty Crossing
(26) Madison / Grant / Flintwood
(27) Eastridge Manor
(28) Regency Drive
(29) Water Street
(30) Mariah / Reo Street
(31) CEP / Second Street
(32) Tech Center / Pleasant Grove
(33) 10th / Central
(34) 17th / Keller
(35) CRH
(36) Midway
(37) Everoad Park East
(38) Everoad Park West / Eastbrook
(39) Cedar Ridge
(40) Windsor Place / HIllcrest
(41) Northbrook / Candlelight
(42) Sycamore Bend / Arrowood
(43) Marr Road
(44) North Haw Creek
(45) Riverside Drive North
500-year Flood Stream Gage Readings
22 feet East Fork White River @ Columbus 2nd Street Bridge
19.5 feet Driftwood River @ Edinburgh
19.3 feet Flatrock River @ Columbus US 31 Bridge
16.5 feet Haw Creek @ Clifford
23.1 feet Clifty Creek @ Columbus SR 46 Bridge
Approximate Depth of Flooding (in feet)
< 1
1 -2
2 - 3
3 - 4
4 - 5
5 - 6
6 - 7
7 - 8
8 +
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. Also, observed rainfall amounts and distributions are 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
3. US Bureau of the Census TIGER Files, 2011-12
Floodprone Areas
Road Overtopped from 500 Year Depth Maps
Areas of Overlapping Depth Grids (see Note)
Neighborhoods with Frequent Flooding
(16) Neighborhood Reference Number
City of Columbus
City of Columbus Planning Jurisdiction
Critical Facilities
Airports
Ambulances
Assisted Living
Dams
Daycare
Fire
Government
Hazardous Material Handler
Jails
Medical Facility
Military Establishement
Mobile Home Parks
Police
Broadcast/Communications
Schools
Shelters
Water Treatment Plant
Wastewater Treatment Plant
0 0.5 1
Scale in Miles
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.
500-year Flood Depths
N
Christopher B. Burke Engineering, LLC
PNC Center, Suite 1368 South
115 West Washington Street
Indianapolis, Indiana 46204
(t) 317.266.8000 (f) 317.632.3306
PROJECT: City of Columbus Flood Response Evacuation Plan
PROJECT NO. 12-0028
APPROX. SCALE as shown
DATE: 11/2012
TITLE: Expected Flood Depths for a 0.2% Annual Chance (500-Year) Flood
EXHIBIT E-4