

FORT KNOX COMPATIBLE USE PLAN

*DRAFT Plan & Status Update
21 September, 2021*



CUP TAC PRESENTATION



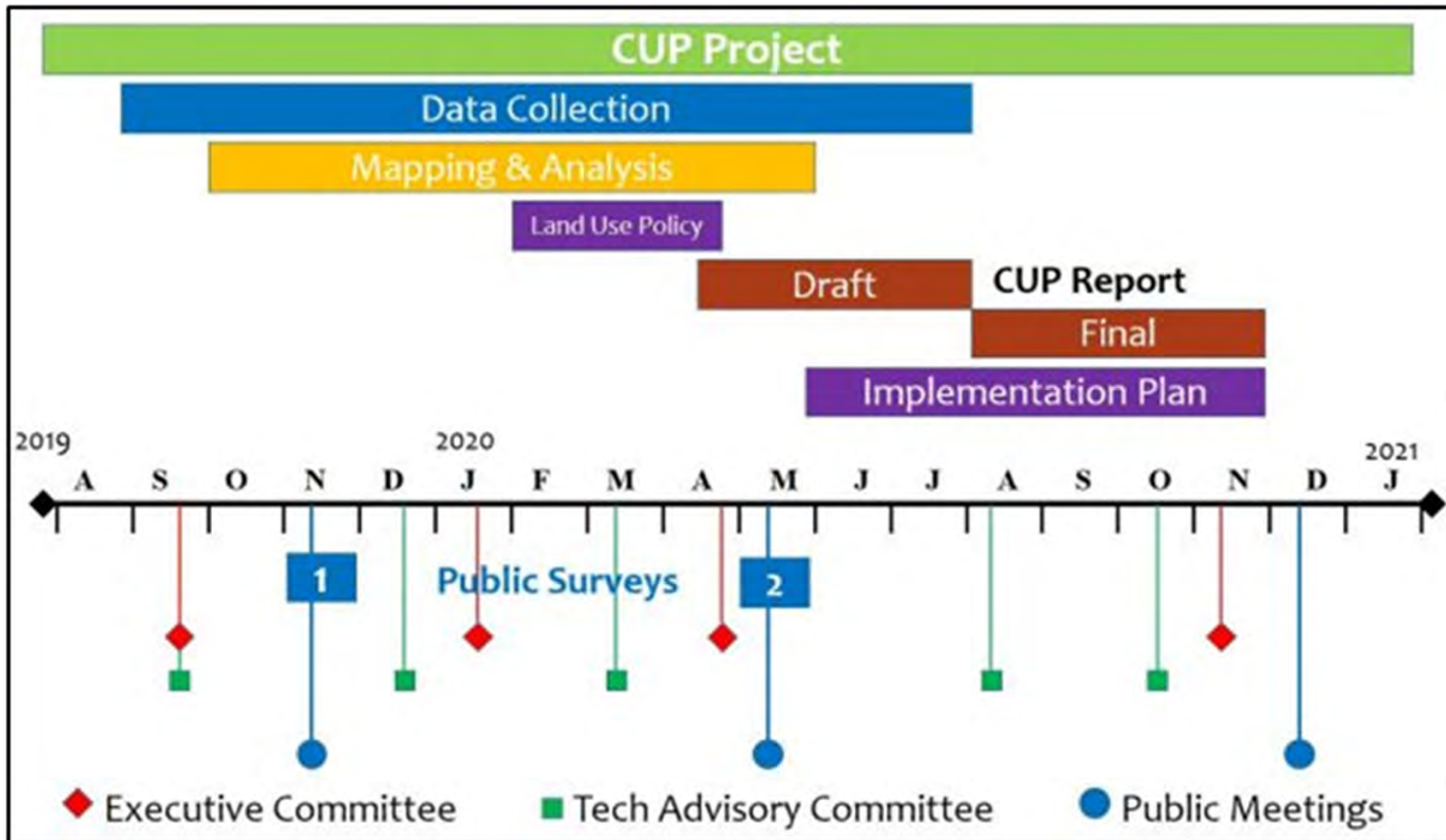
TAC AGENDA



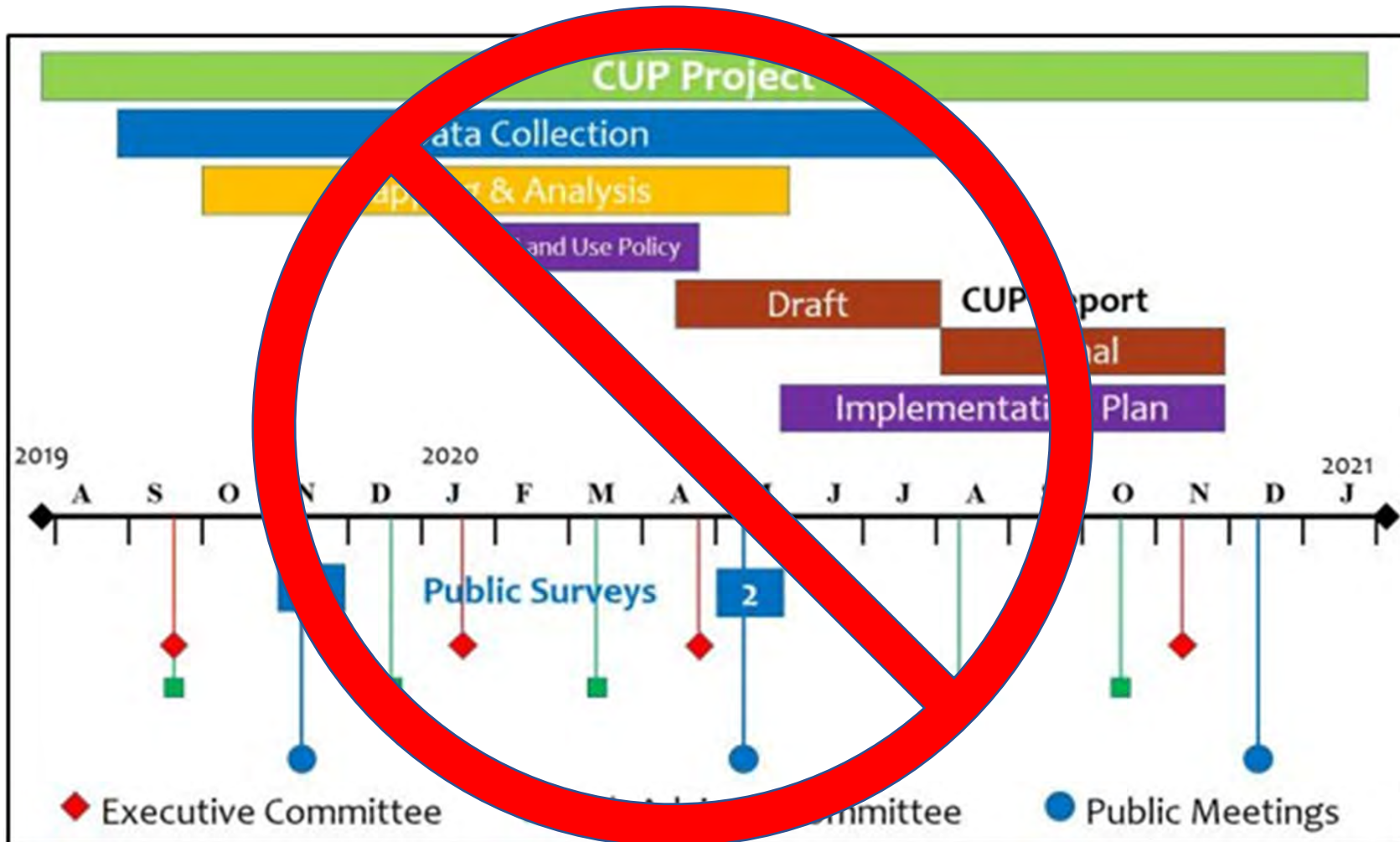
Technical Advisory Committee Meeting September 21, 2021 – 10:00 am ET

- 1. Welcome & Introductions**
- 2. Summary of Activities**
- 3. Presentation and Overview of the Draft Plan**
- 4. TAC Input & Guidance**
- 5. Upcoming Schedule**
- 6. Adjourn**

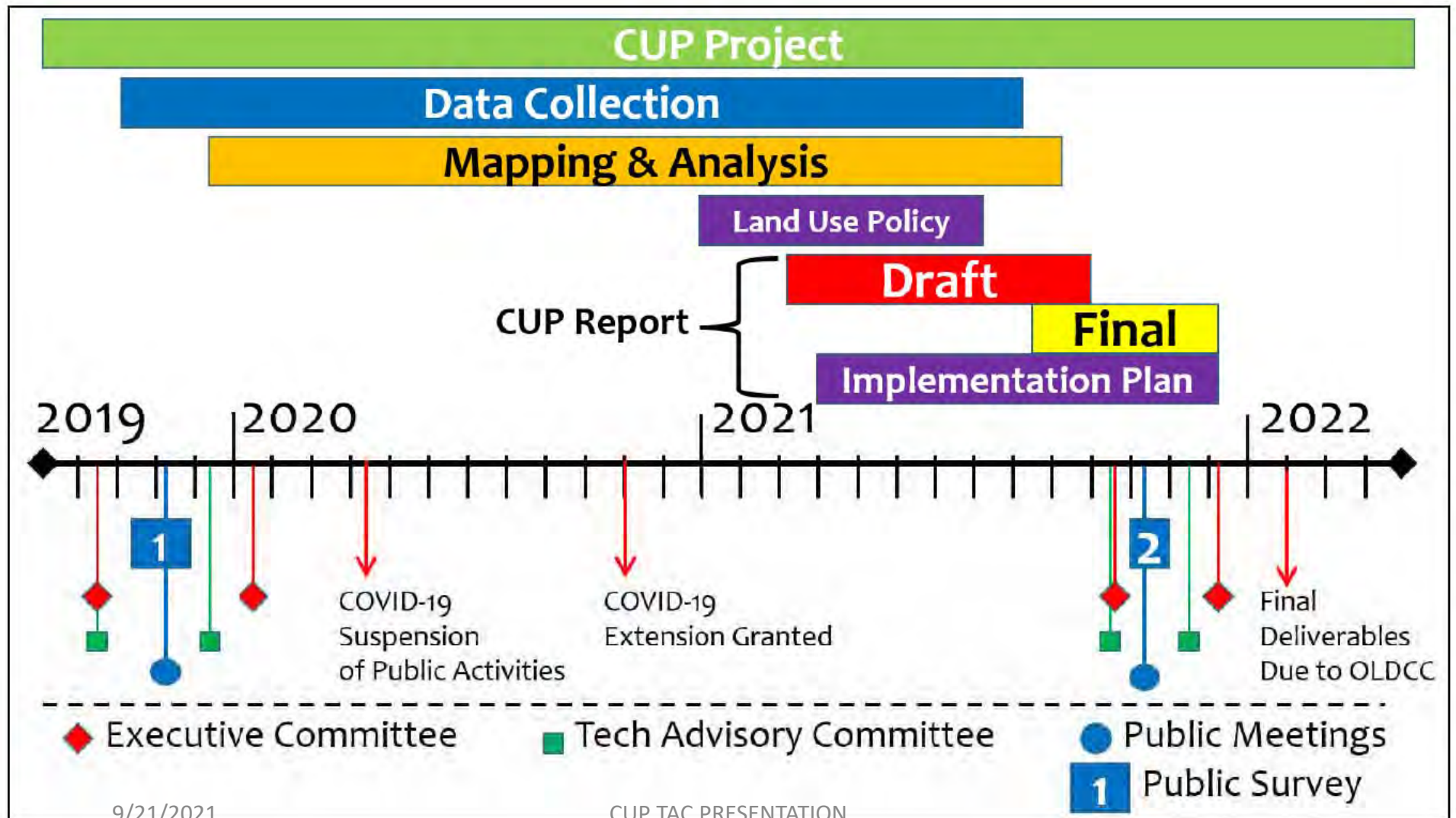
Summary of Activities Pre-Covid



Summary of Activities Pre-Covid

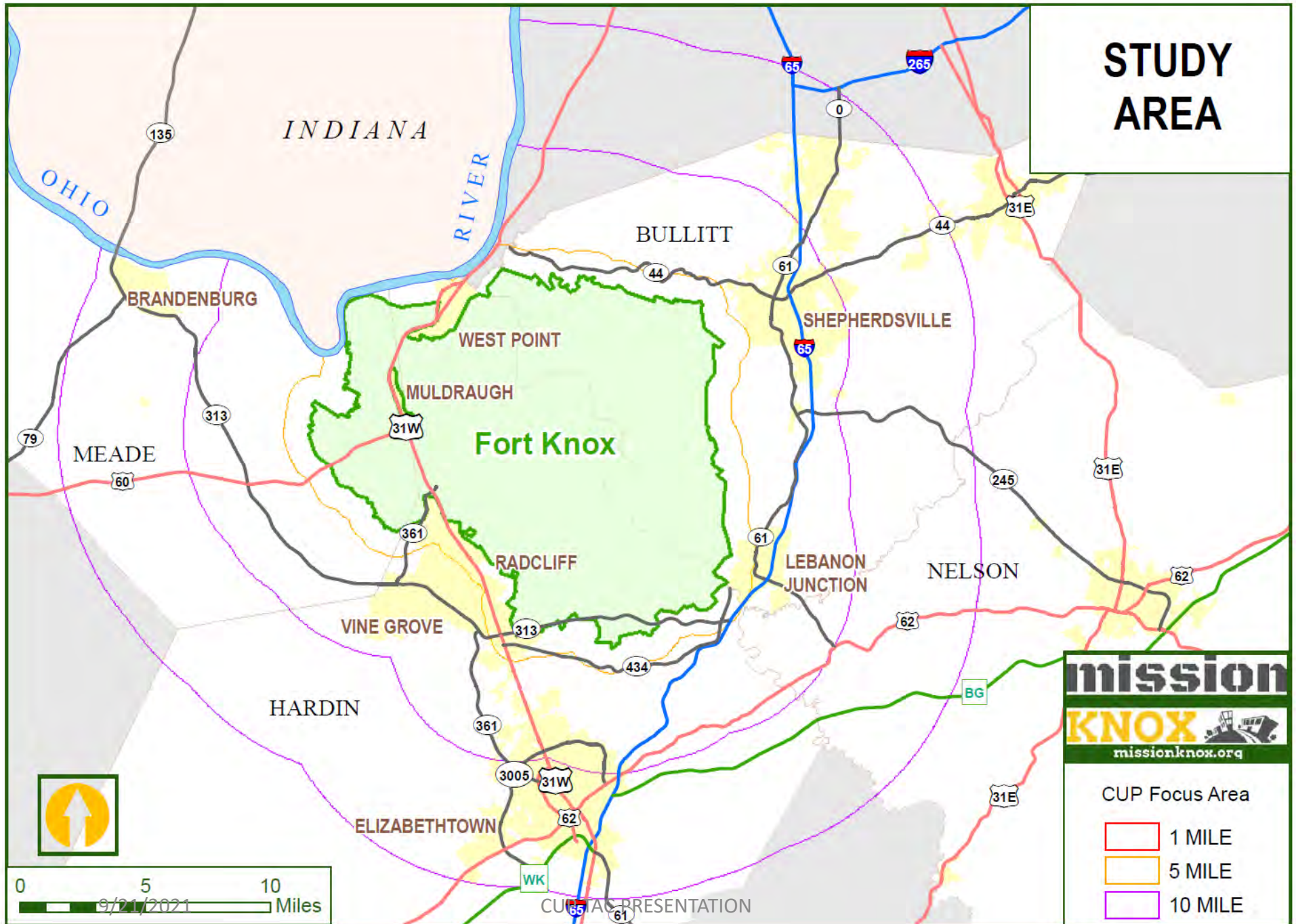


Summary of Activities As of July 2021



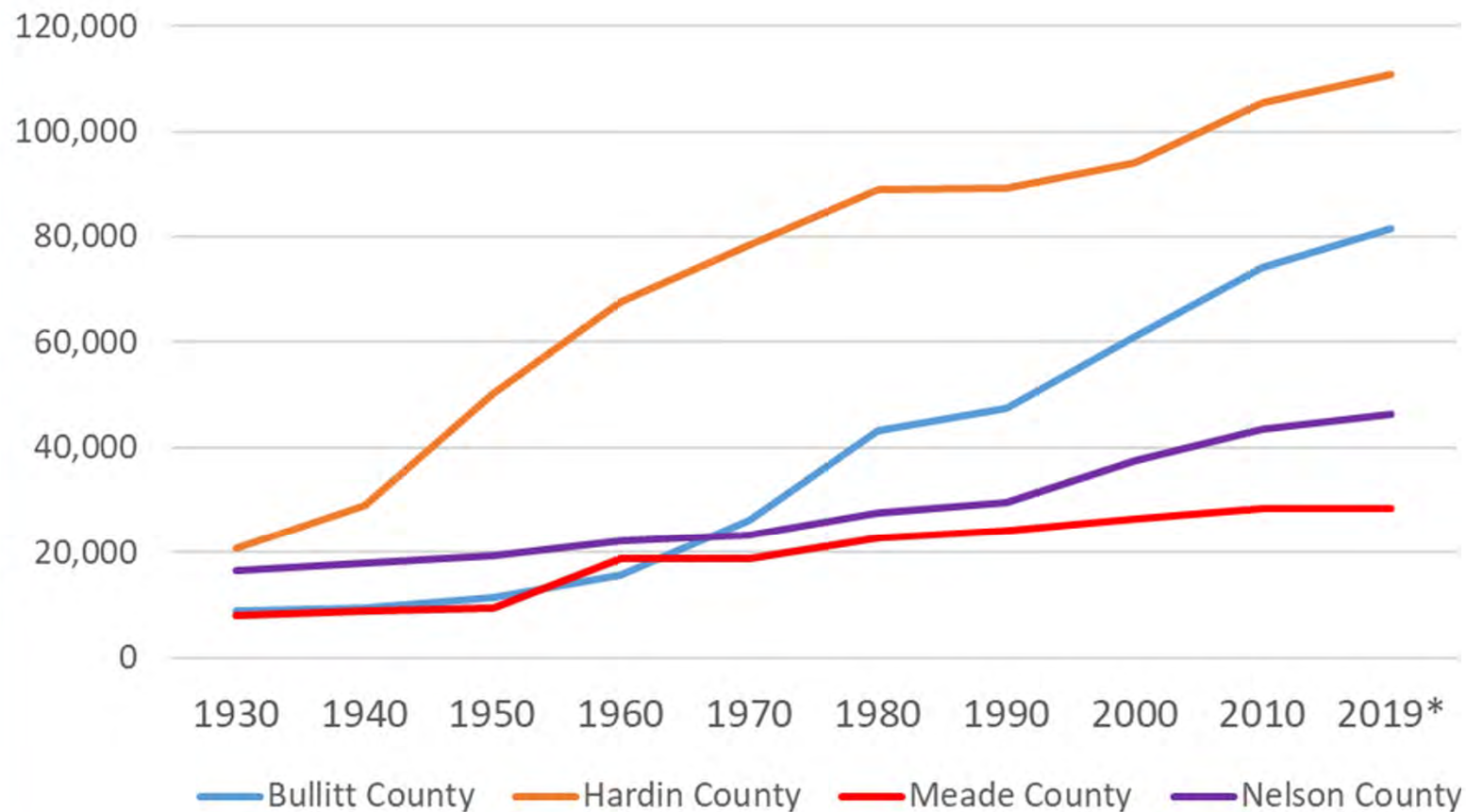
SOME HIGHLIGHTS

STUDY AREA



POPULATION

Population Growth Trend



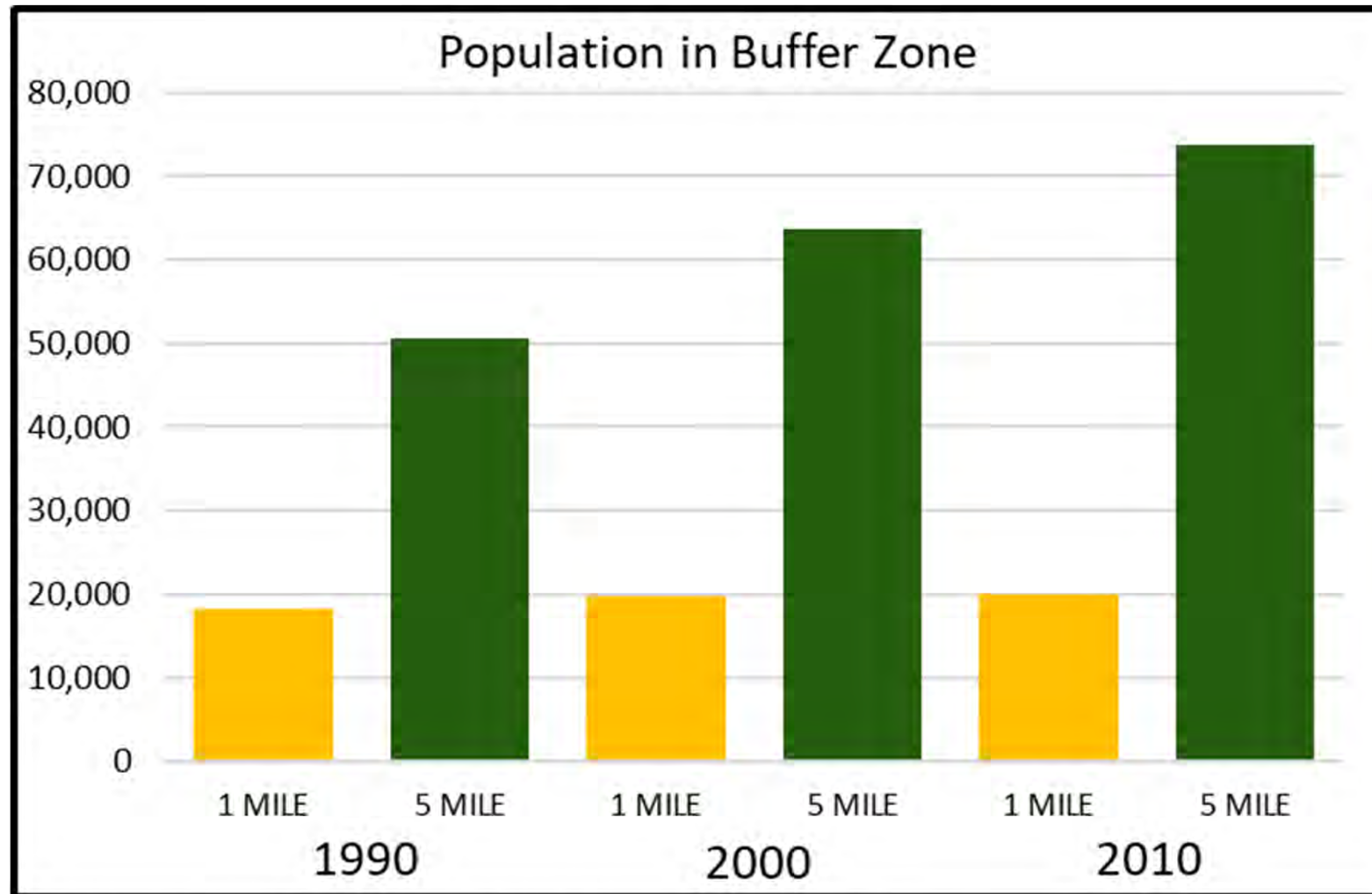
POPULATION

DECENNIAL POPULATIONS BY BUFFER ZONE

(city totals are included in county totals)	1990		2000		2010	
	1 MILE	5 MILE	1 MILE	5 MILE	1 MILE	5 MILE
Bullitt County	2,715	12,868	2,864	17,124	2,536	21,653
Lebanon Junction	868	873	798	999	791	1,022
Shepherdsville		4,805		8,294		11,128
Hardin County	13,405	25,254	14,374	30,671	15,126	34,527
Elizabethtown		2,570		5,280		7,090
Radcliff	10,455	9,317	11,590	10,400	11,845	9,840
Vine Grove		3,586		4,168		4,520
West Point	1,216		1,099		921	
Meade County	2,027	5,341	2,595	8,258	2,323	10,536
Brandenburg						
Muldraugh	1,306		1,214		947	
Nelson County		570		581		477
Jefferson County	113	6,648	0	7,066	0	6,575
Total Study Area	18,260	50,681	19,833	63,700	19,985	73,768

Source: U.S. Census, Decennial Census. Selection method block polygon centroid withing buffer zone.

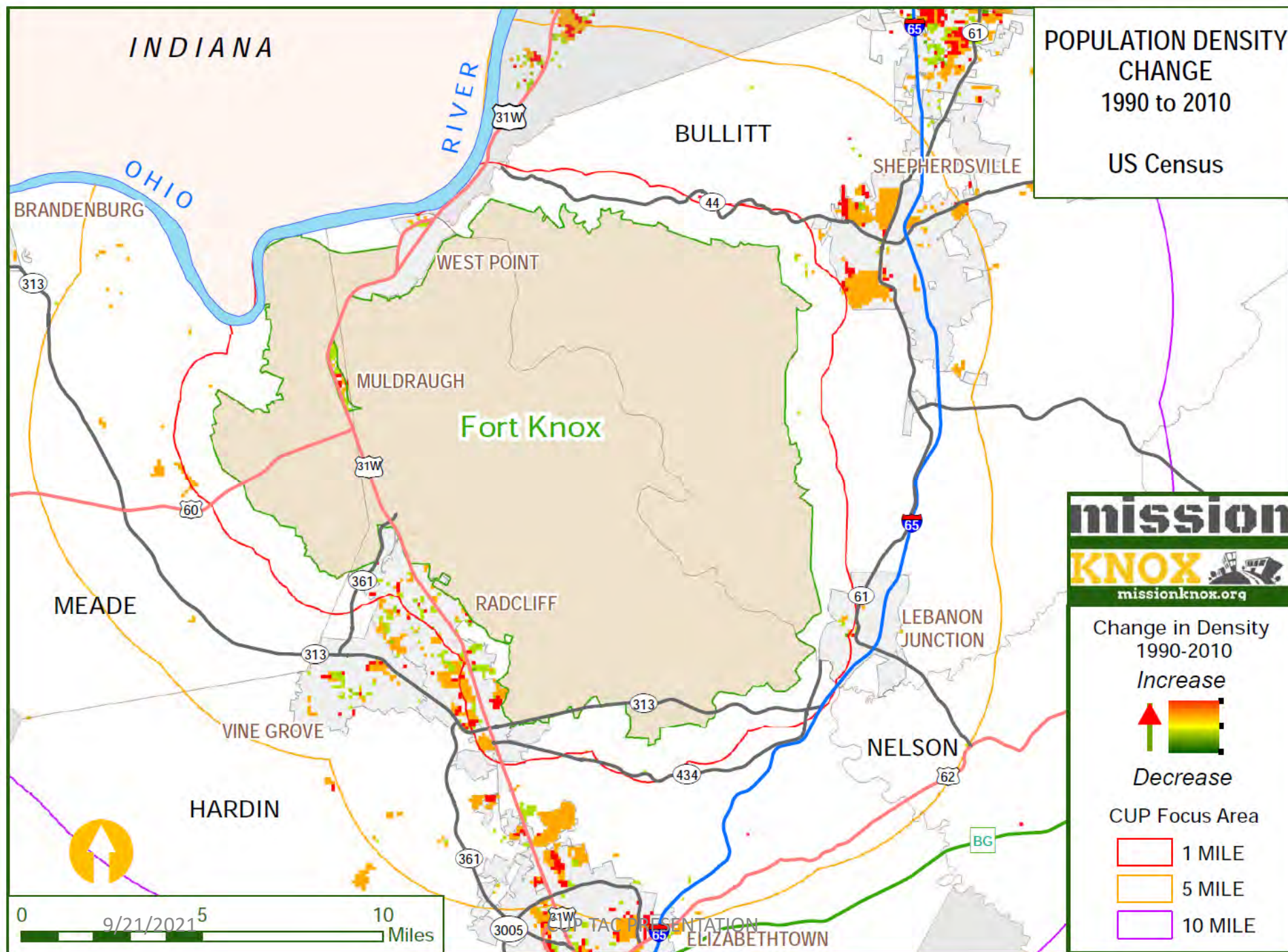
POPULATION



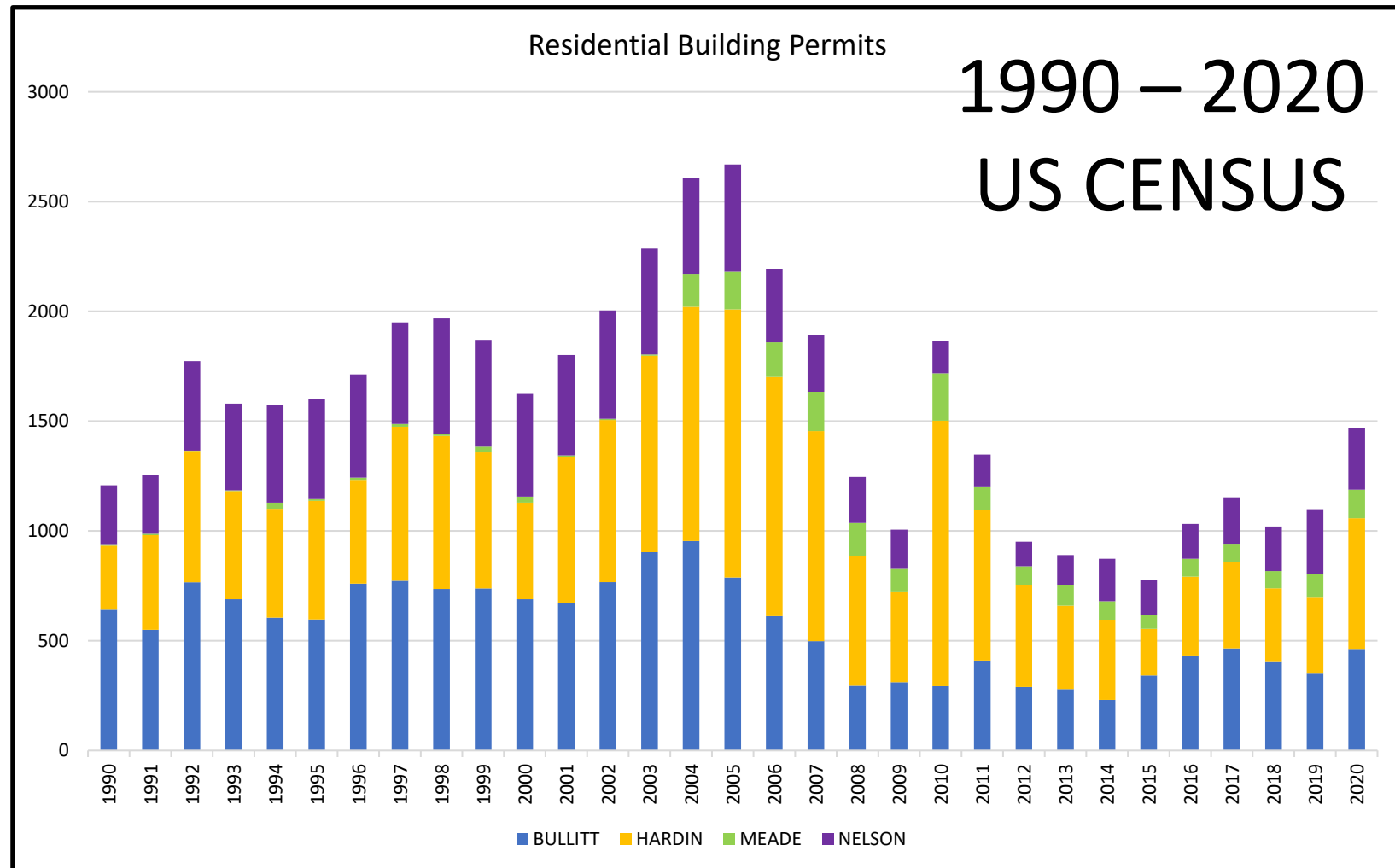
Source: U.S. Census, Decennial Census. Selection method block polygon centroid withing buffer zone.

9/21/2021

CUP TAC PRESENTATION



RESIDENTIAL HOUSING

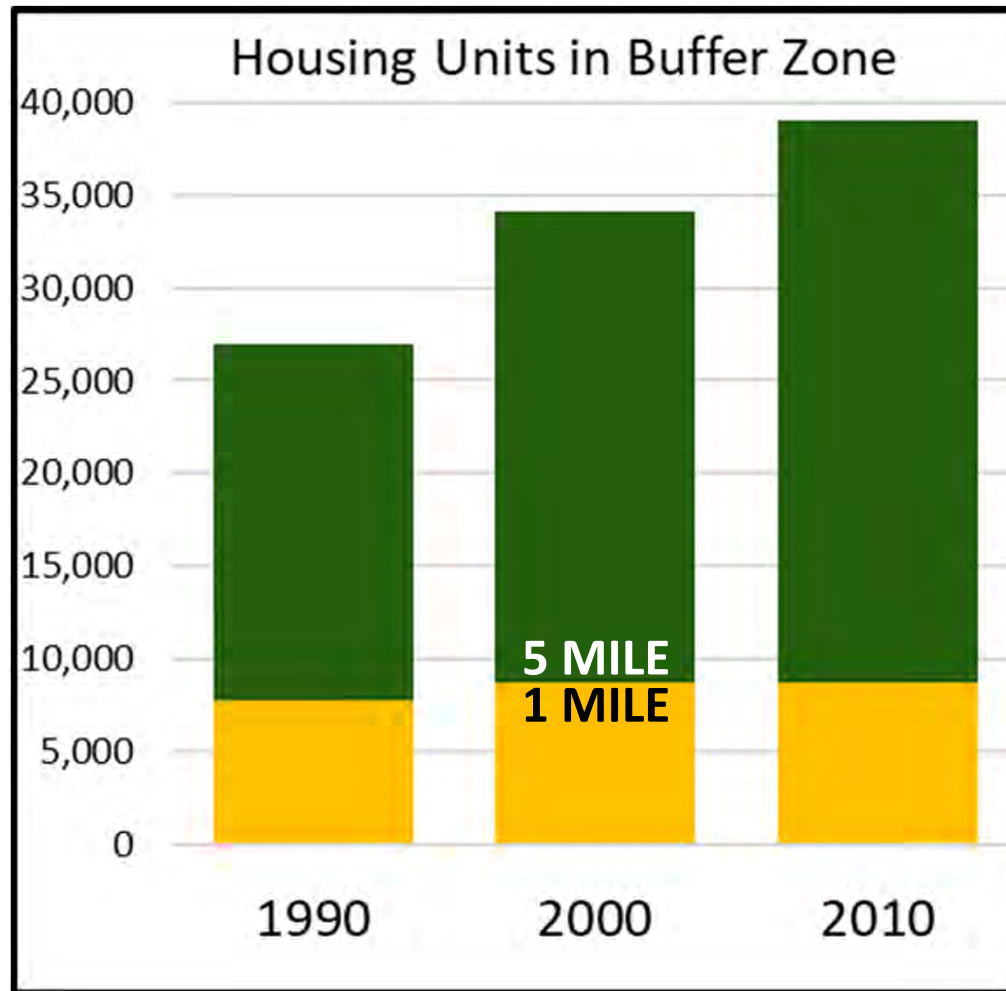


U.S. Census Bureau, New Private Housing Structures.
9/21/2021

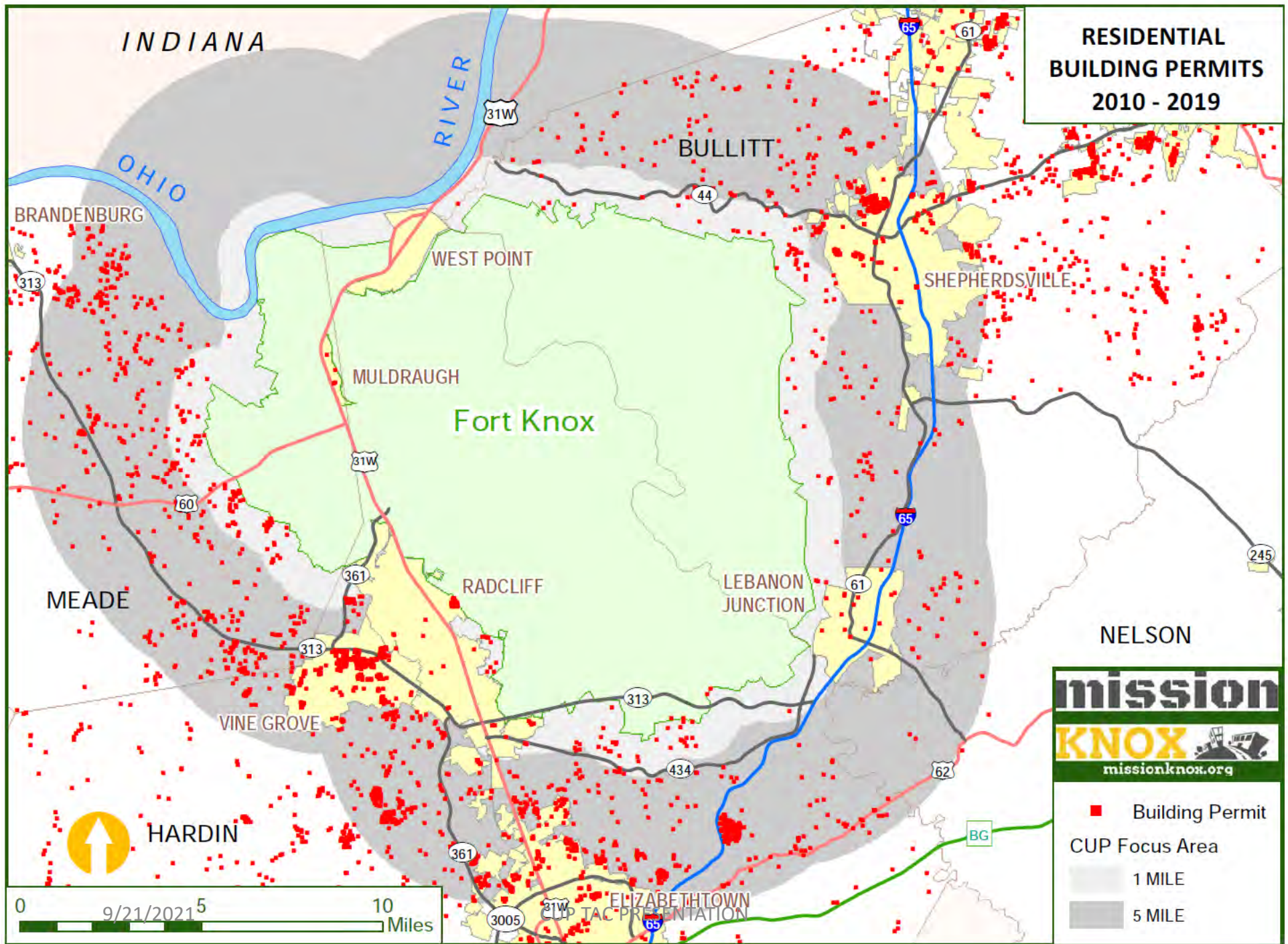
CUP TAC PRESENTATION

12

RESIDENTIAL HOUSING



U.S. Census, American Community Survey, 2019, Table S2101,
5-Year Estimate.



RESIDENTIAL HOUSING

RESIDENTIAL STRUCTURES WITHIN DISTANCE OF BOUNDARY

Existing from E911	100 ft		500 ft		1,000 ft	
	Existing	Permitted	Existing	Permitted	Existing	Permitted
Bullitt County	nda	0	nda	2	nda	9
Lebanon Junction						0
Shepherdsville						
Hardin County	8	2	127	5	217	15
Elizabethtown						
Radcliff*	95	5	338	19	805	33
Vine Grove						
West Point	0	nda	0	nda	102	nda
Meade County	11	0	77	9	141	23
Brandenburg						
Muldraugh	35	0	415	2	630	4
Nelson County						
TOTAL	149	7	957	37	1,895	84

Source: Existing, Respective County E911 Agencies, Hardin County - 22 Sept. 2020, Meade - 13 Oct. 2020,, Nelson - 22 Sept. 2020.

Permitted - *Radcliff- Official data only available for 2017 - 2019. Years 2009-2011, 2016 from newspaper accounts. Unable to locate in which buffer.

nda = no data available.

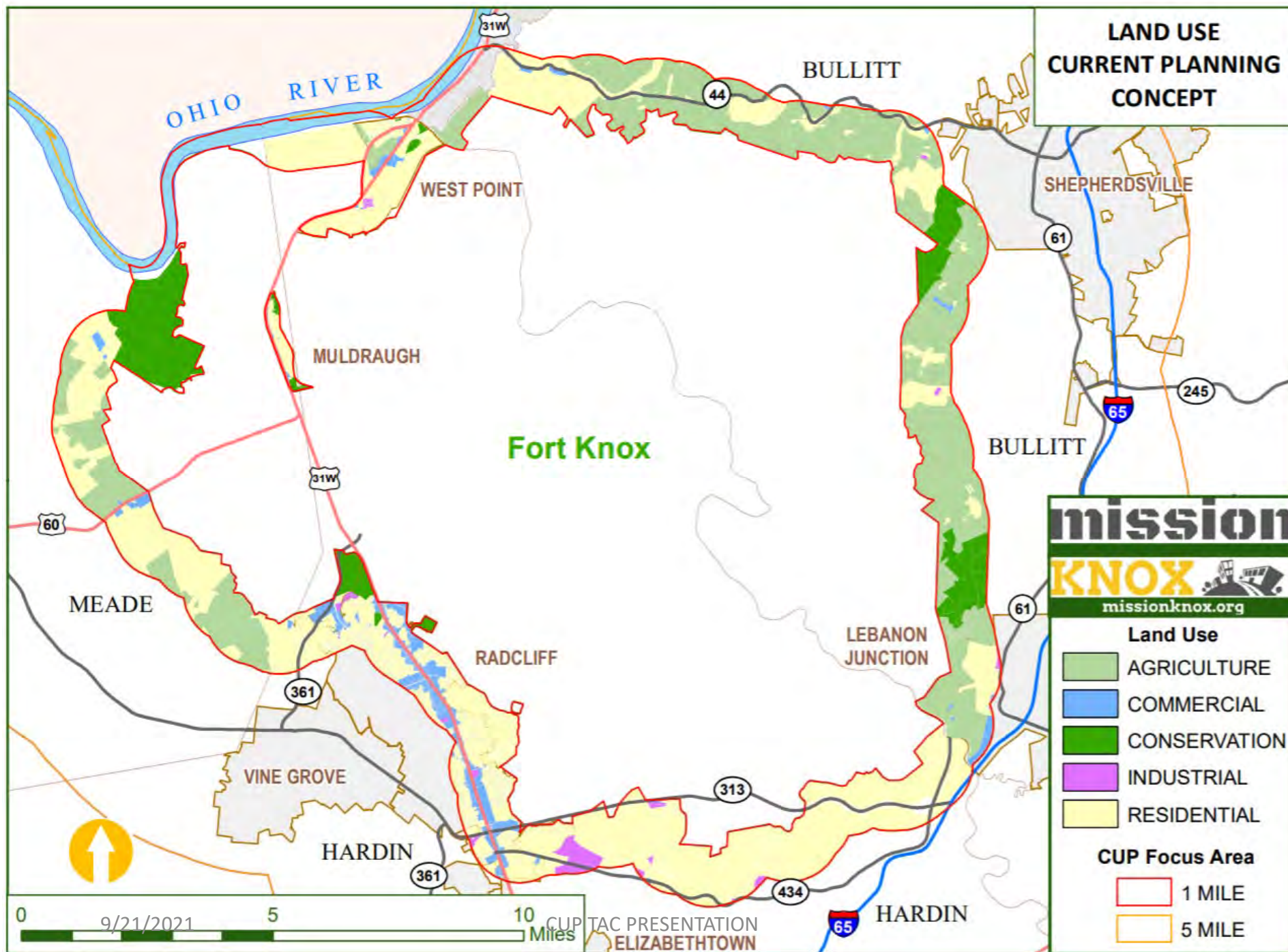
NOTE: these are inclusive, thus the 100 ft are also in the 500 & 1000 zones.

RESIDENTIAL HOUSING

CONTIGUOUS PARCEL COUNTS			
	2005*/2007**	2019	% CHANGE
Bullitt County*	119	111	-6.7%
Hardin County**	285	323	13.3%
Radcliff	132	158	19.7%
West Point	20	20	0.0%
Meade County*	159	165	3.8%
Muldraugh	90	89	-1.1%
Nelson County**	na	na	na

Sources: County PVA Offices. Parcels within 100ft of reservation boundary.
County total includes respective city.

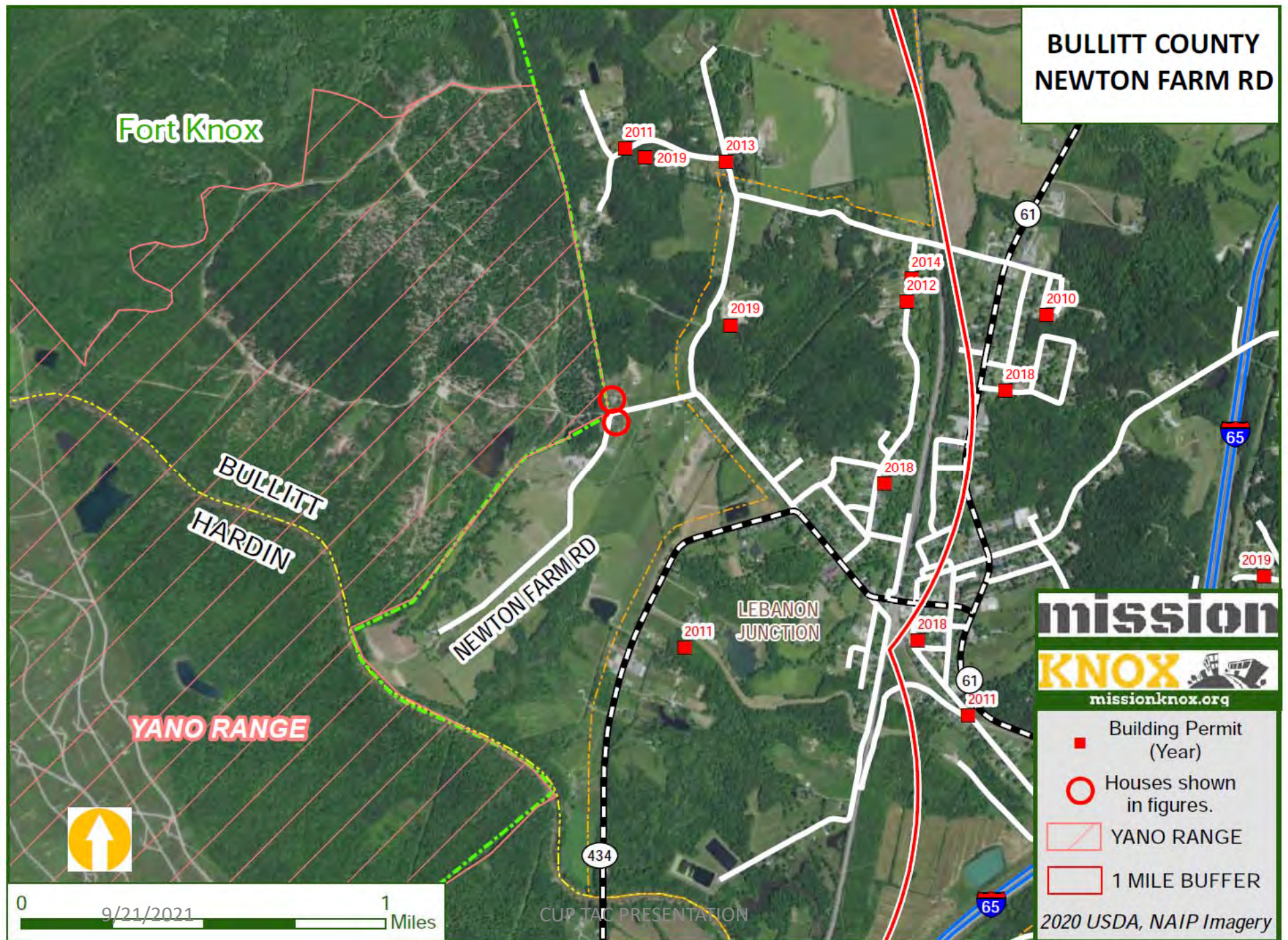
PRIMARY CONCERN FOR PHYSICAL ENCROACHMENT **ONE-MILE BUFFER**



LAND USE



BULLITT COUNTY NEWTON FARM RD



**KY 313
BUFFER
CORRIDOR**

KENTUCKY 313 CORRIDOR

**THIS DISTRICT MAY BE NEGATIVELY AFFECTED
BY NOISE CREATED BY FORT KNOX
ACCORDING TO THE FORT KNOX NOISE IMPACT STUDY.**

Fort Knox

LEBANON
JUNCTION

NELSON

RADCLIFF

HARDIN

ELIZABETHTOWN

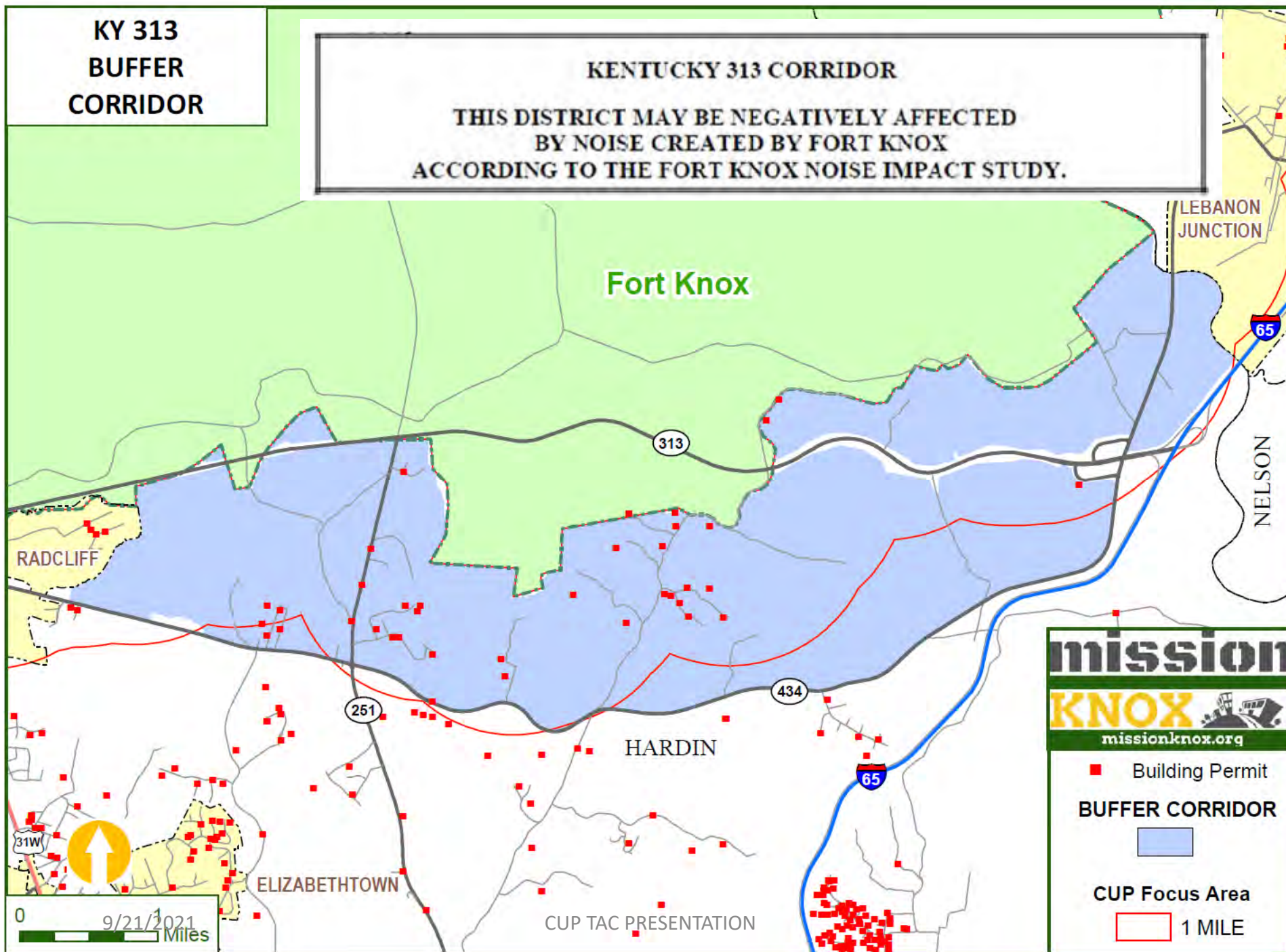
CUP TAC PRESENTATION

mission
KNOX
missionknox.org

■ Building Permit
BUFFER CORRIDOR

CUP Focus Area
1 MILE

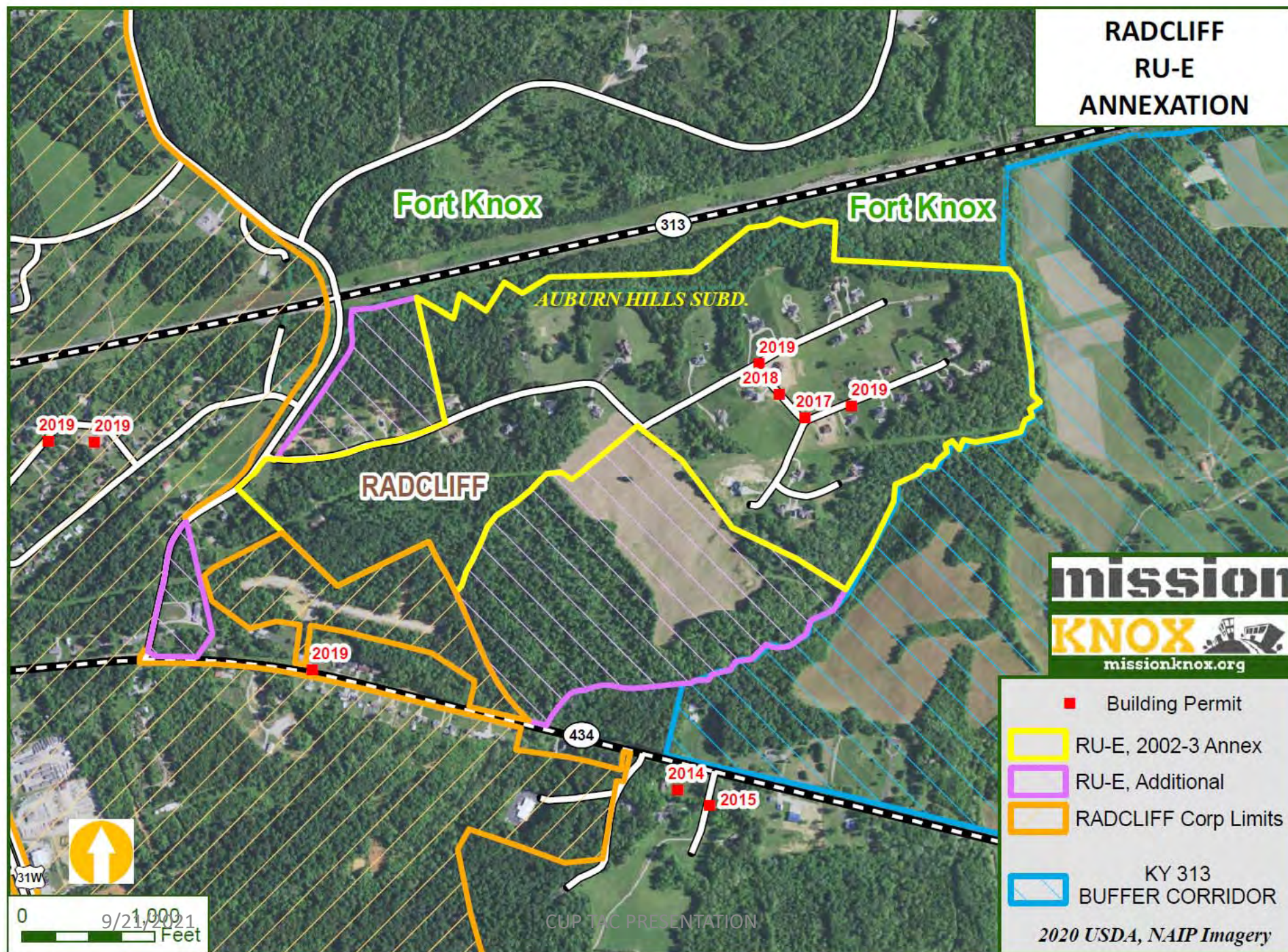
0 1
9/21/2021
Miles



LAND USE



RADCLIFF RU-E ANNEXATION

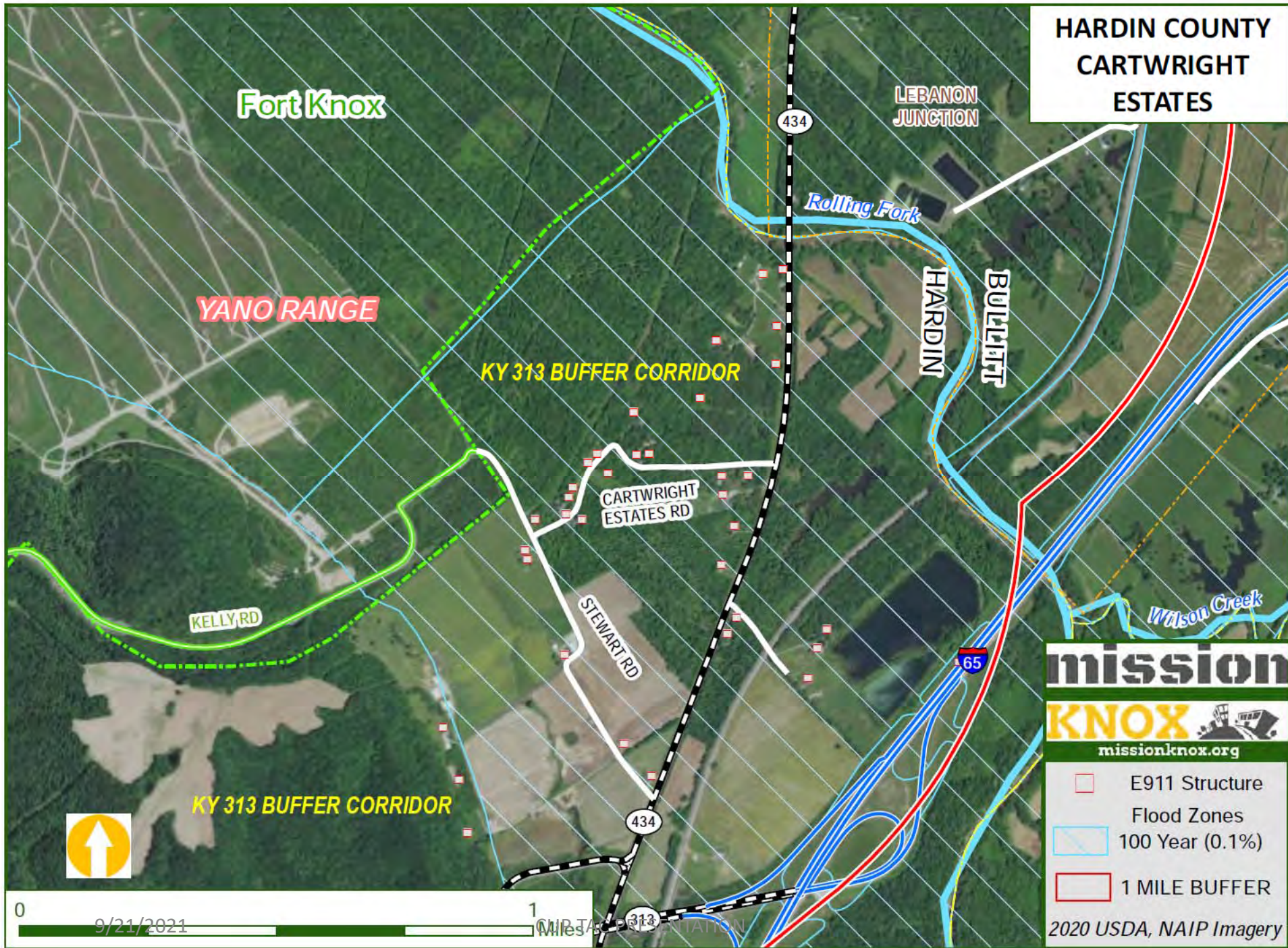


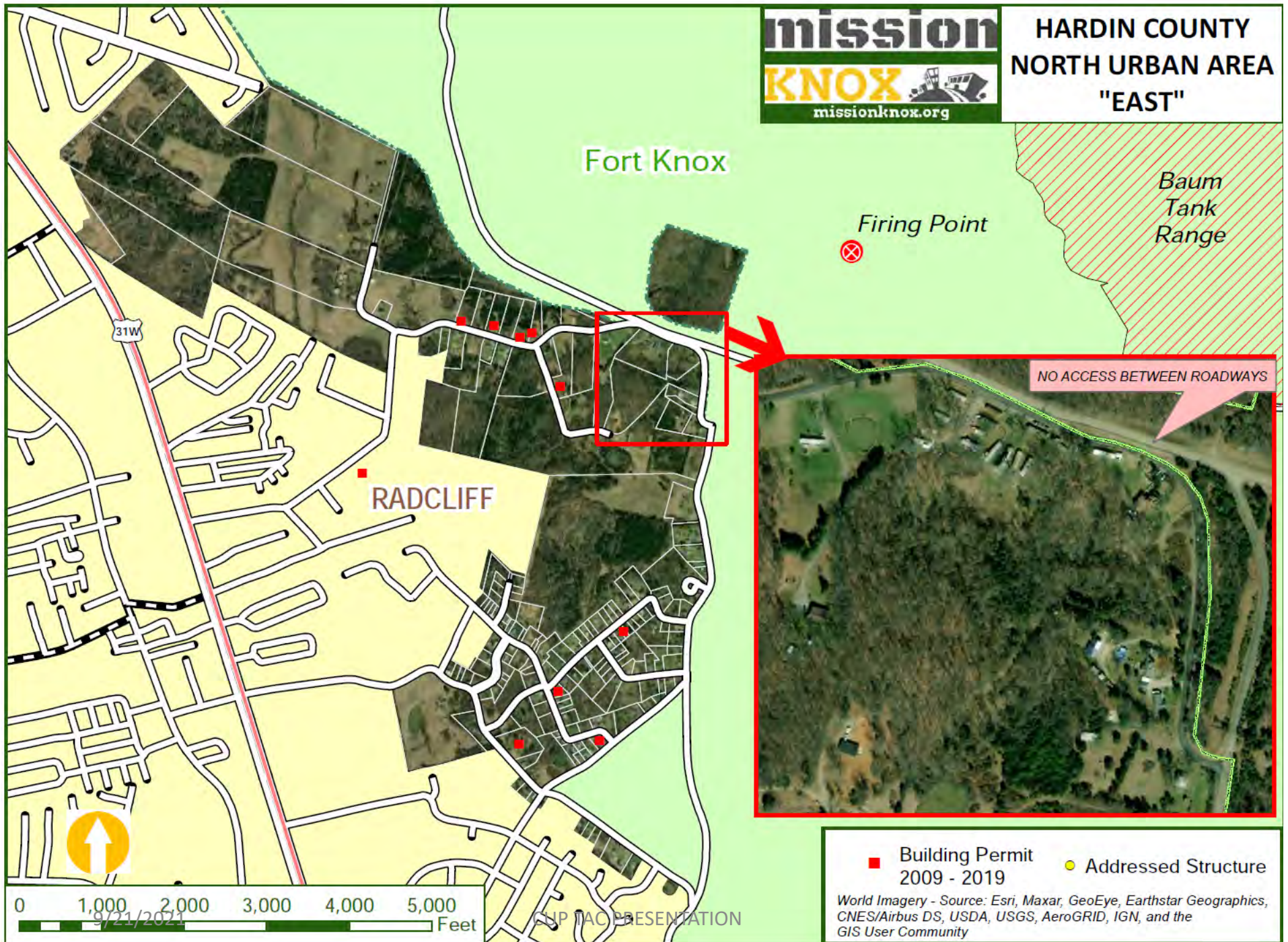
LAND USE



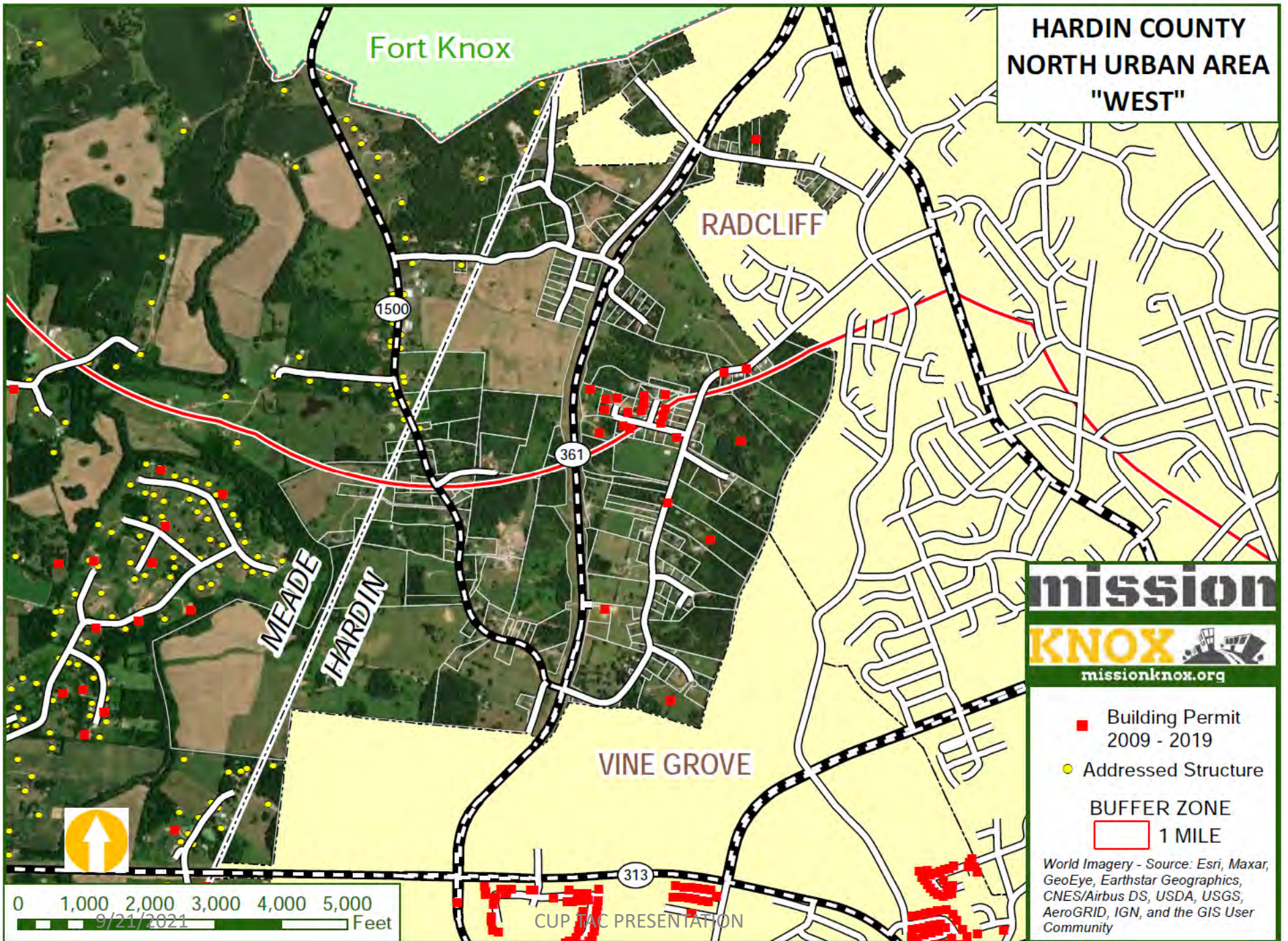
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CUP TAC PRESENTATION





HARDIN COUNTY NORTH URBAN AREA "WEST"



RADCLIFF SOUTHERN HEIGHTS SUBDIVISION


Firing Point

Fort Knox

RADCLIFF

E LINCOLN TRAIL BLVD

31W

HARDIN CO.

North Urban Area "East"
Zoned R-1 Residential

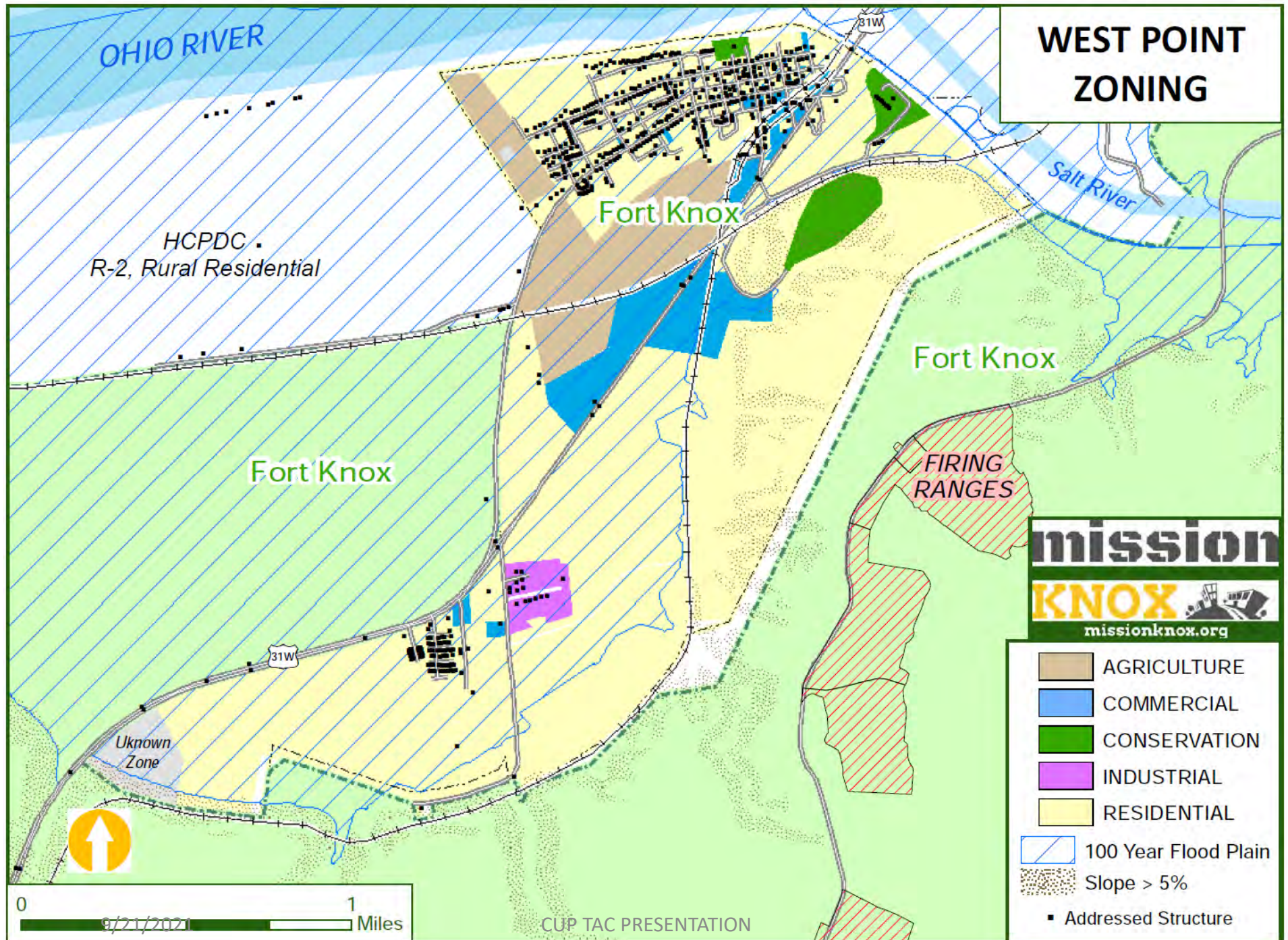


-  Southern Heights Subd.
-  Other Residential Zoning
-  Building Permit
2017 - 2019
-  Addressed Structure

2020 USDA, NAIP Imagery



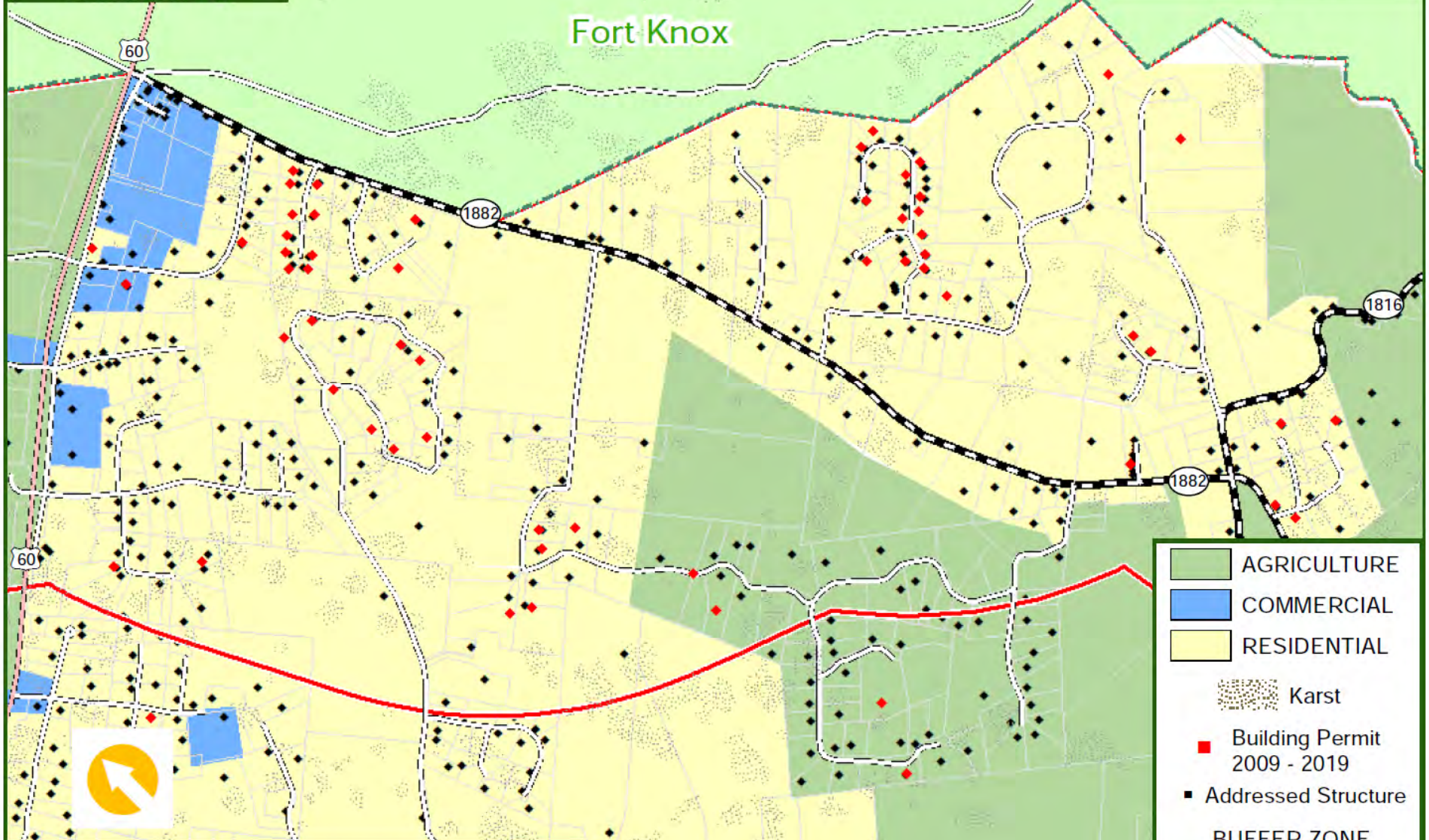
WEST POINT ZONING



CUP TAC PRESENTATION

**MEADE COUNTY
KY 1882
CORRIDOR**

Fort Knox



- AGRICULTURE
- COMMERCIAL
- RESIDENTIAL
- Karst
- Building Permit 2009 - 2019
- Addressed Structure
- BUFFER ZONE 1 MILE

MULDRAUGH ZONING

Fort Knox

Fort Knox



- COMMERCIAL
- CONSERVATION
- RESIDENTIAL

Karst

Building Permit
2010 - 2019

Addressed Structure

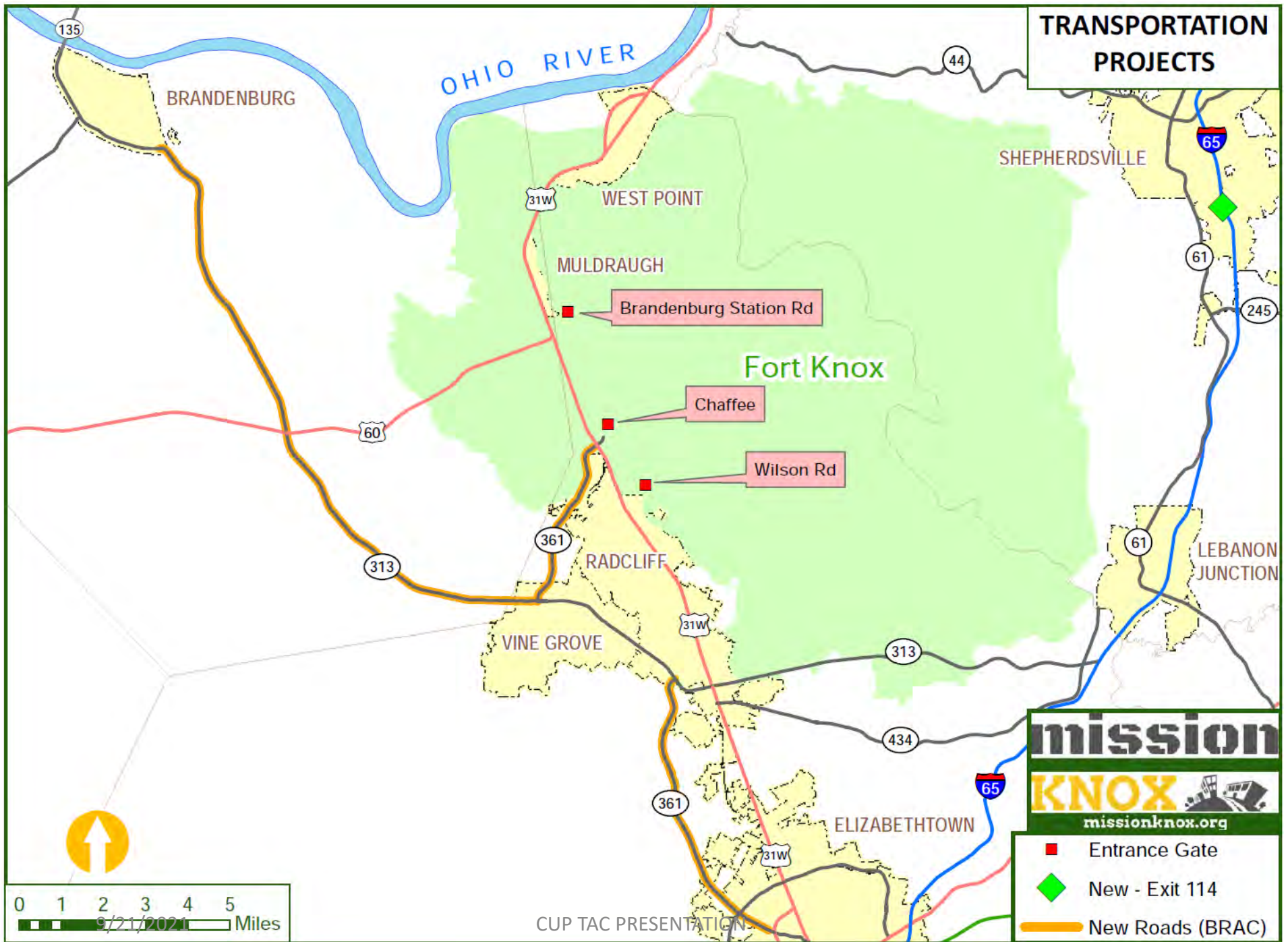


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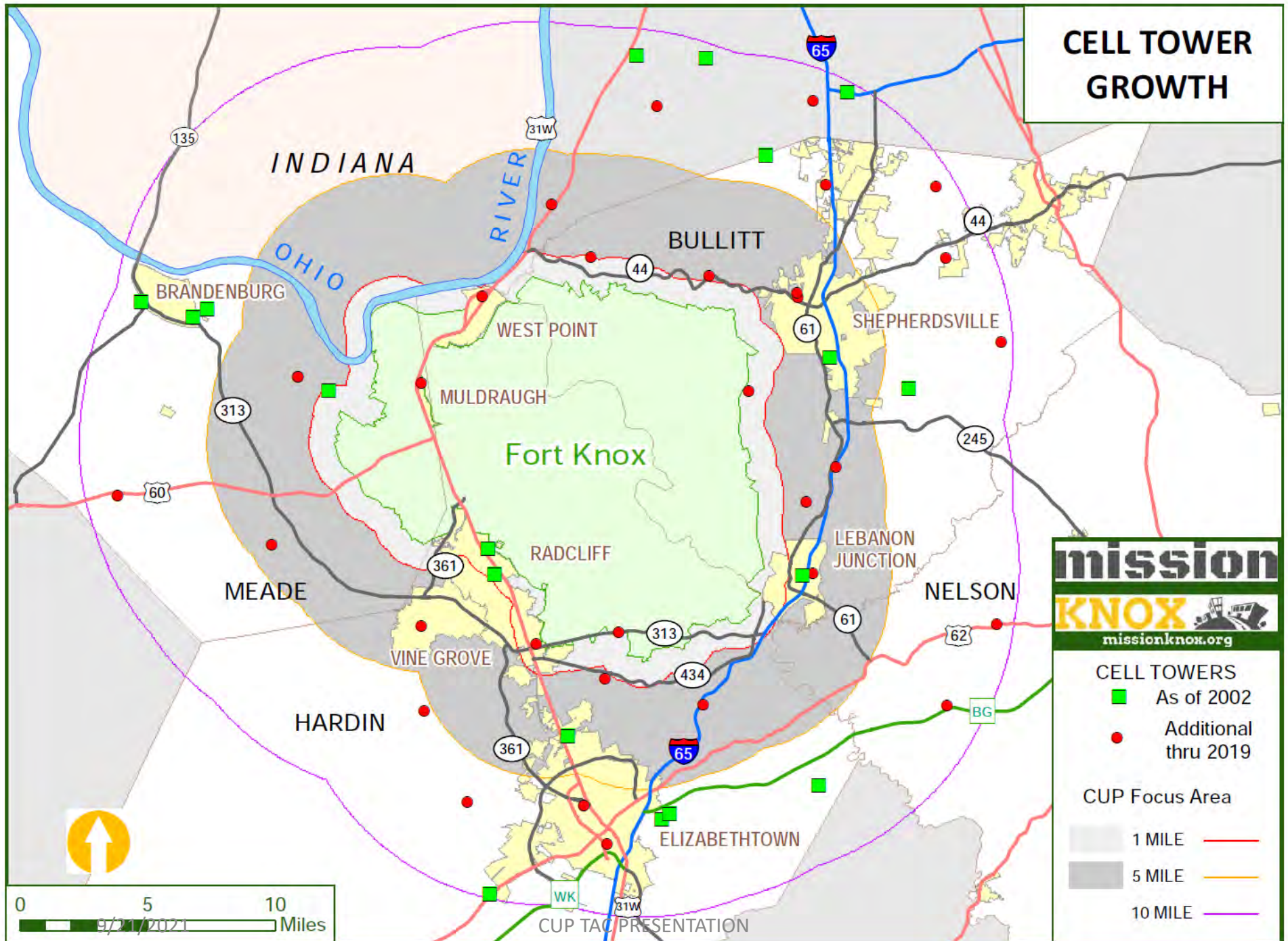
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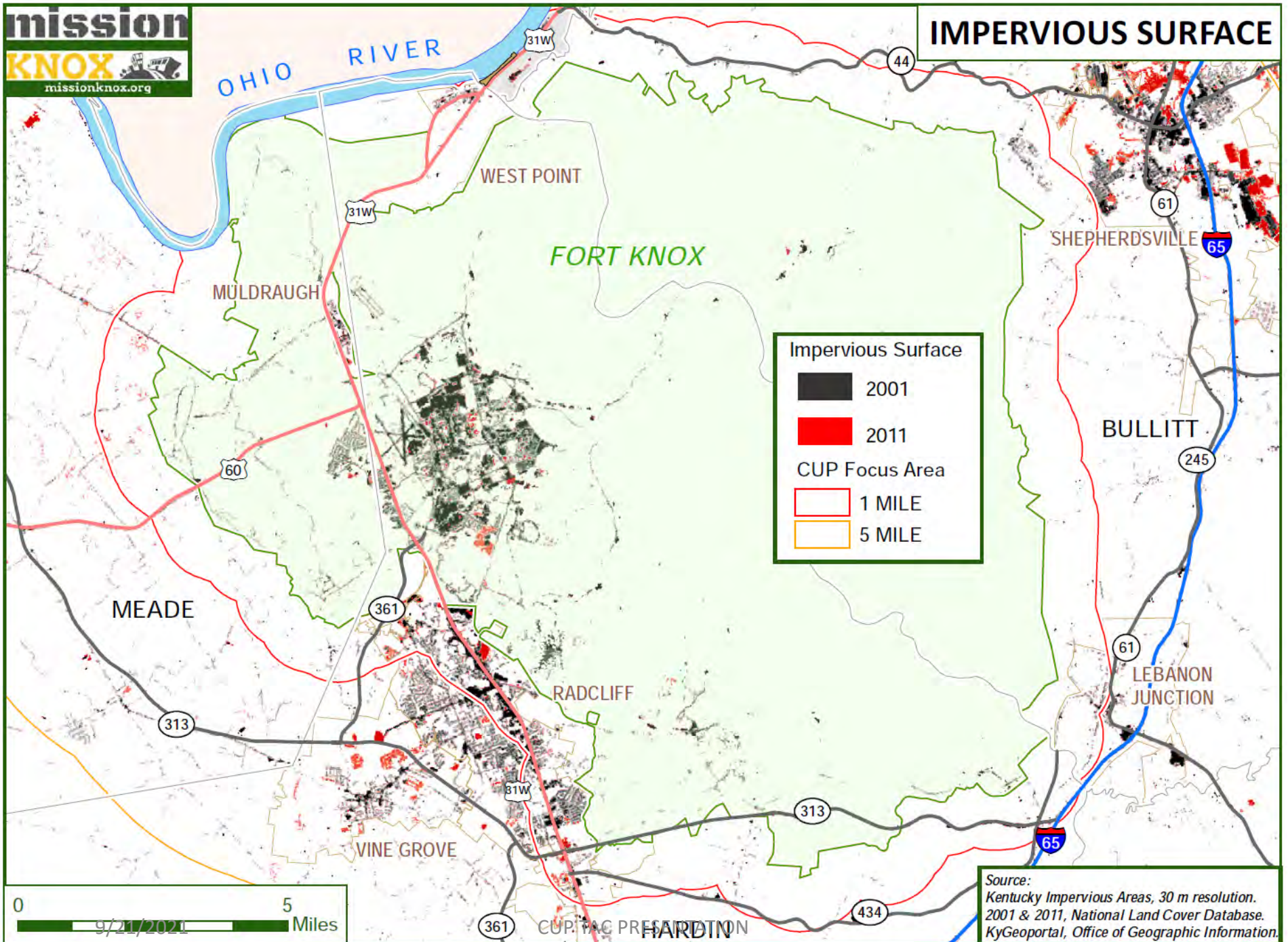
CUP TAIL MESS PRESENTATION



CELL TOWER GROWTH

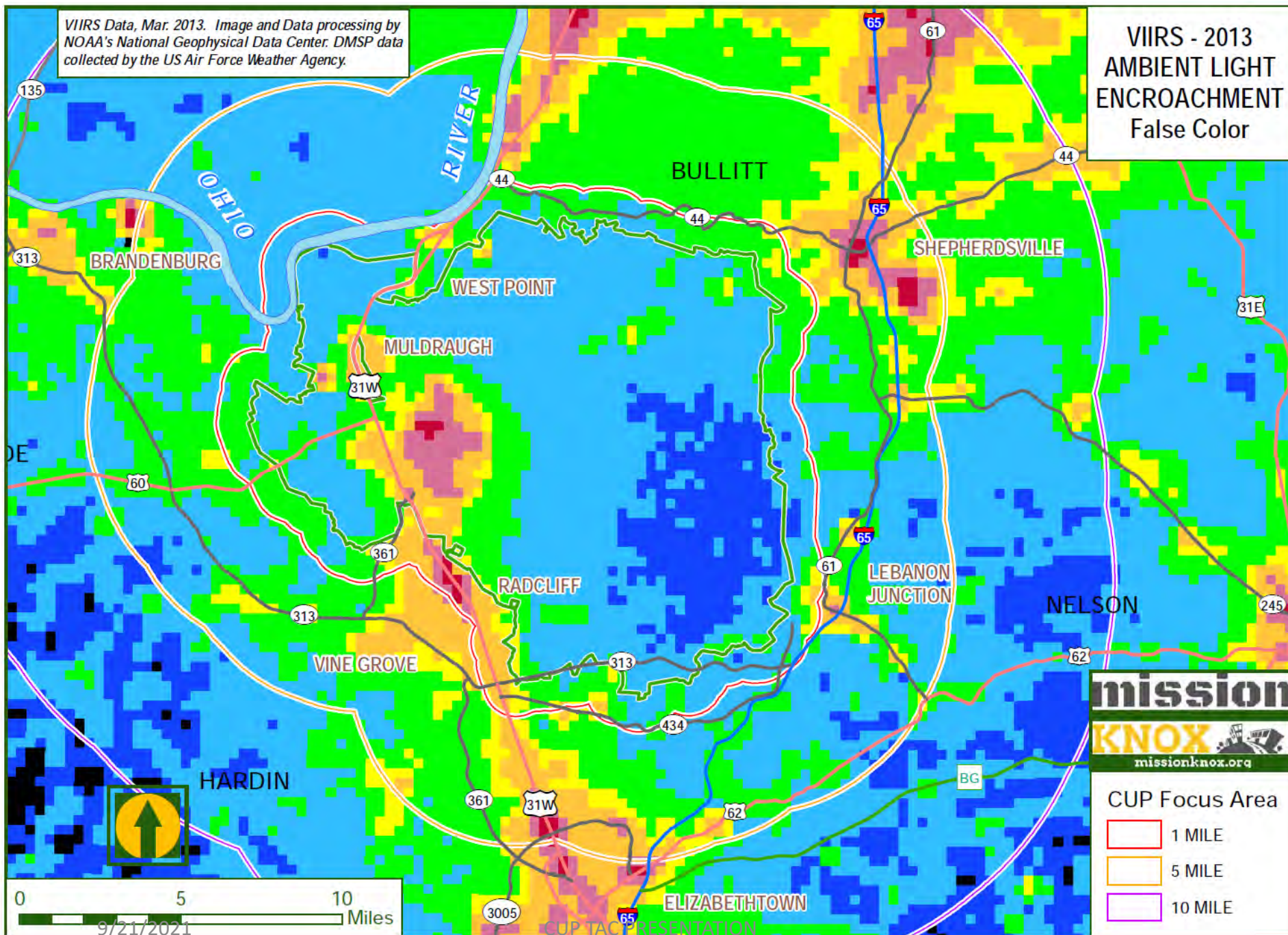


IMPERVIOUS SURFACE



VIIRS Data, Mar. 2013. Image and Data processing by NOAA's National Geophysical Data Center. DMSP data collected by the US Air Force Weather Agency.

VIIRS - 2013 AMBIENT LIGHT ENCROACHMENT False Color



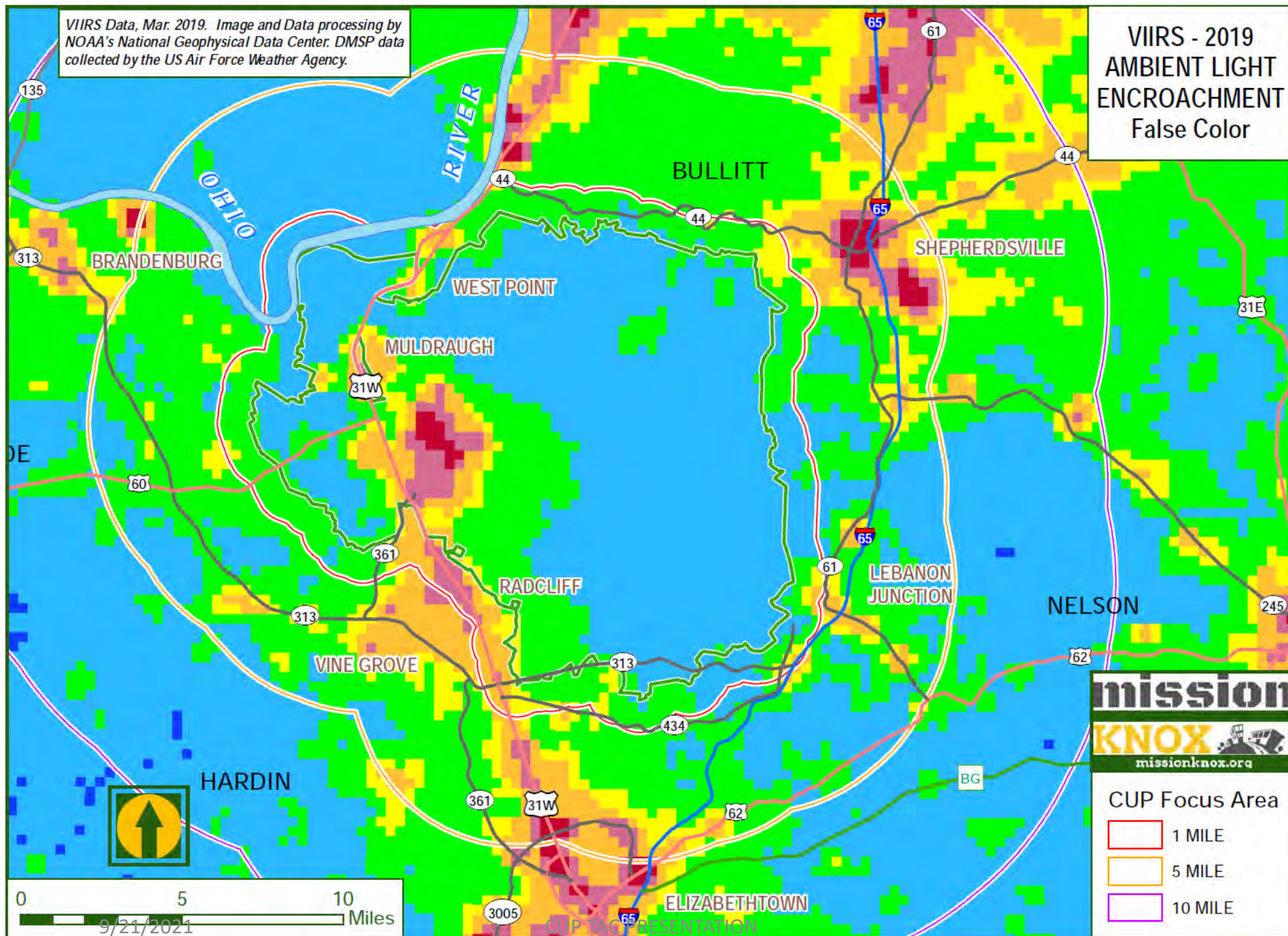
mission
KNOX
missionknox.org

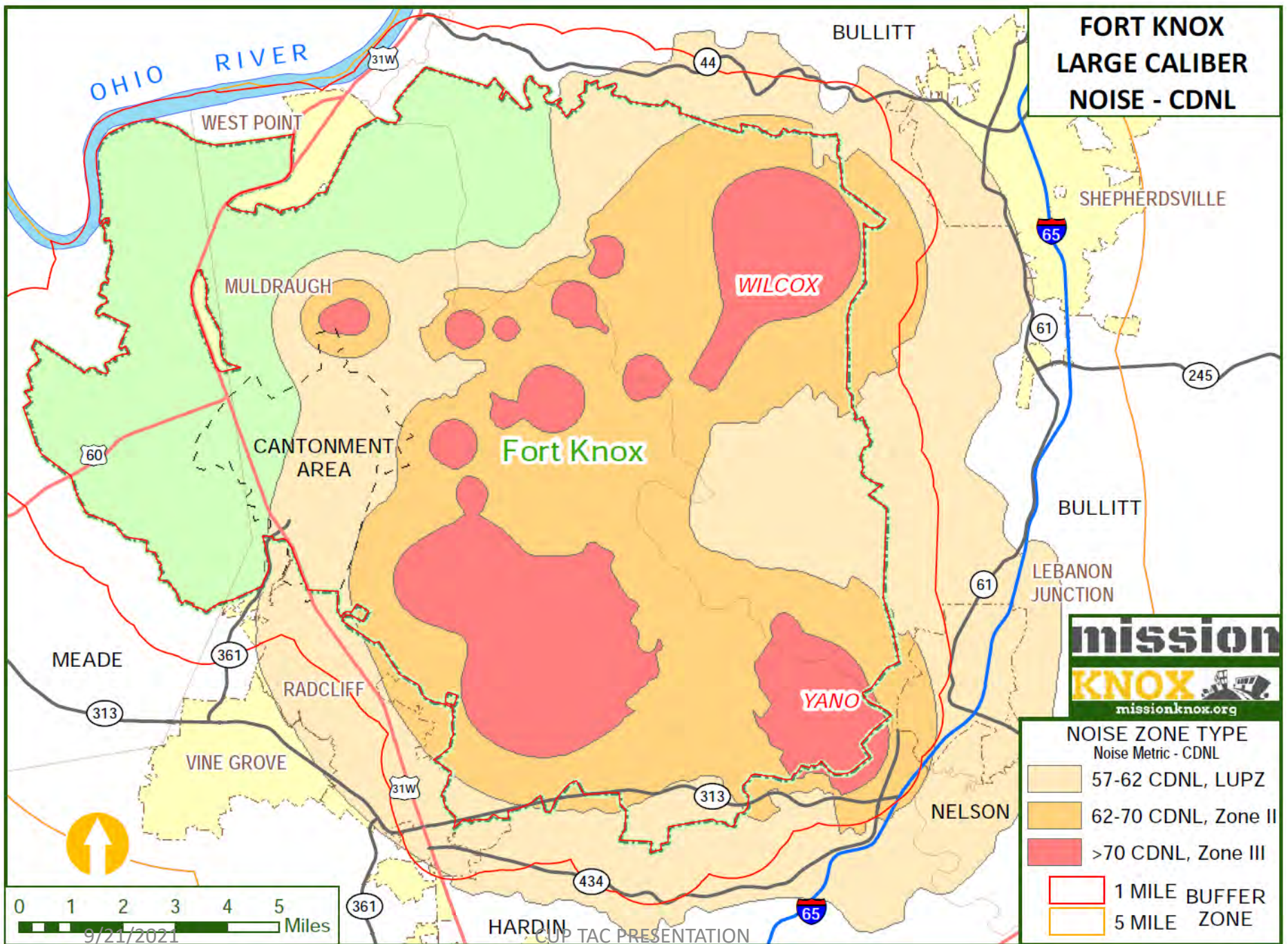
CUP Focus Area

- 1 MILE
- 5 MILE
- 10 MILE

VIIRS Data, Mar. 2019. Image and Data processing by NOAA's National Geophysical Data Center. DMSP data collected by the US Air Force Weather Agency.

VIIRS - 2019 AMBIENT LIGHT ENCROACHMENT False Color



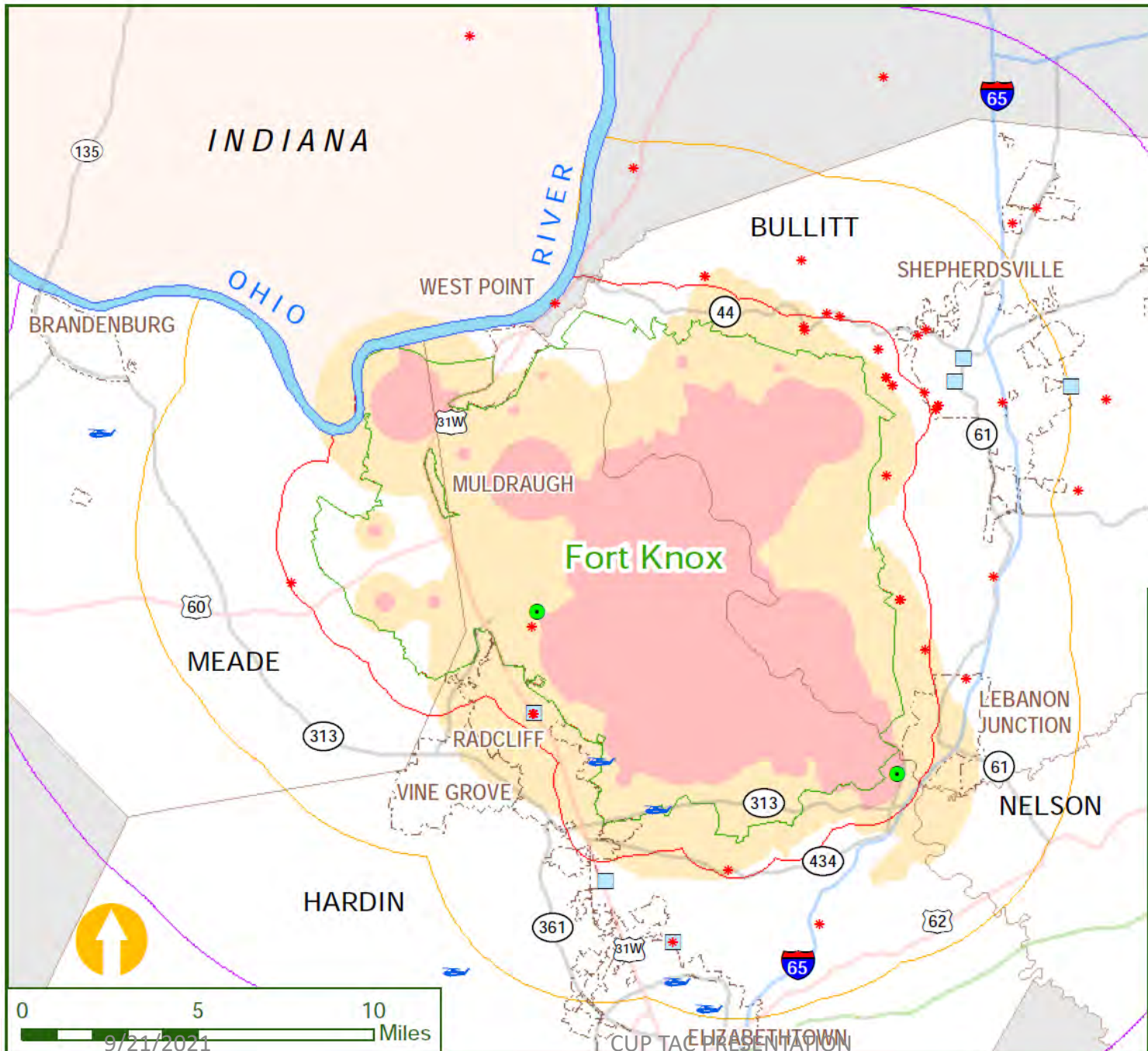


NOISE & ENCROACHMENT COMPLAINTS 2007 - 2019

Source
Complaints, Fort Knox Public Affairs Office
- Jan. 2020.
Risk Zones, 2018 ICUZ Study via Fort
Knox Directorate of Public Works.



- PRIMARY TYPE**
- * NOISE
 - PHYSICAL CONTACT
 - TOO LOW
 - VIBRATION
- NOISE COMPLAINT RISK**
- 1 MILE
 - 5 MILE
 - 10 MILE
 - MODERATE
 - HIGH



9/21/2021

CUP TACT PRESENTATION

Data Issues



BUILDING PERMITS

- No Standardized System
- No Good Query Methods
- Missing Information

PARCEL DATA

- Source Data Digitized from Hardcopy Maps
- Data Varies Across County
- Attribute Data Varies Between Counties

Land Use / Zoning

- No Standardized System
- Currency Issues

Data Issues



COMPLAINTS

- No Clearing House

- No Standard Reporting Method

MULTIPLE SOURCES

- Considered All Because They Don't Always Agree

SOLUTIONS



FEDERAL

STATE

LOCAL

FT KNOX IMPACT



**FEEDBACK
PLEASE!**

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KNOX  **CUP**

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END