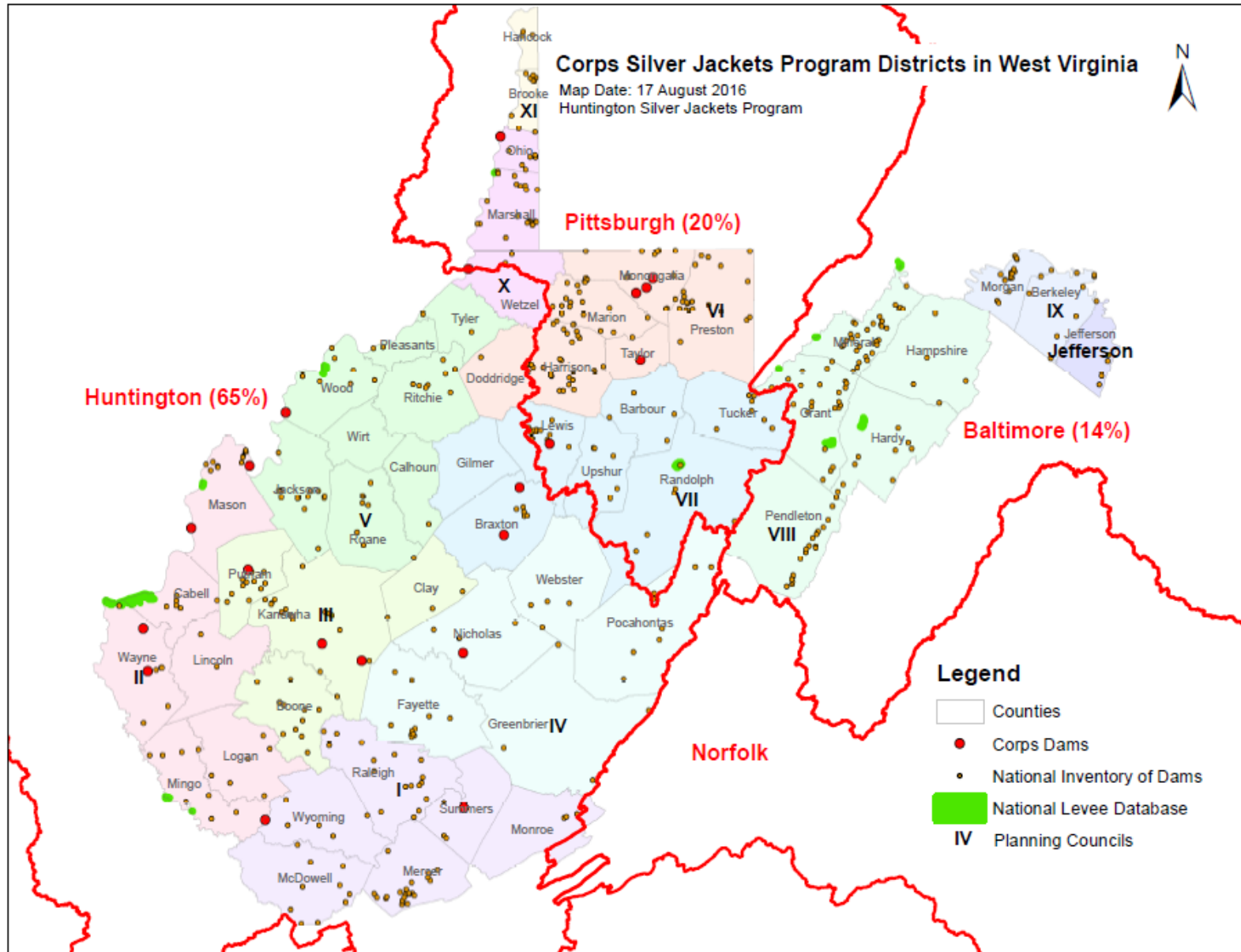


Statewide Flood Risk Assessment

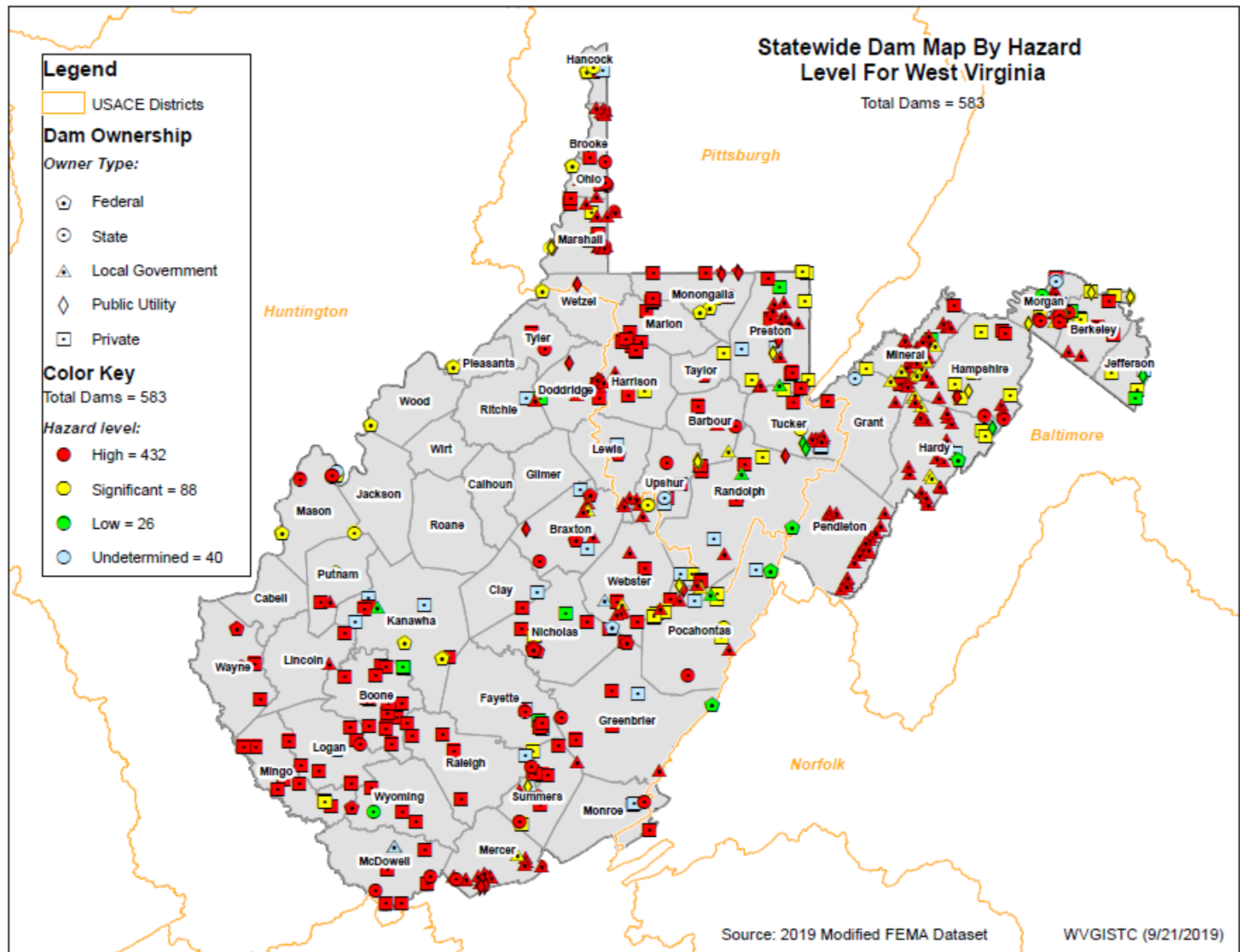
Dams and Levees

10/7/2020

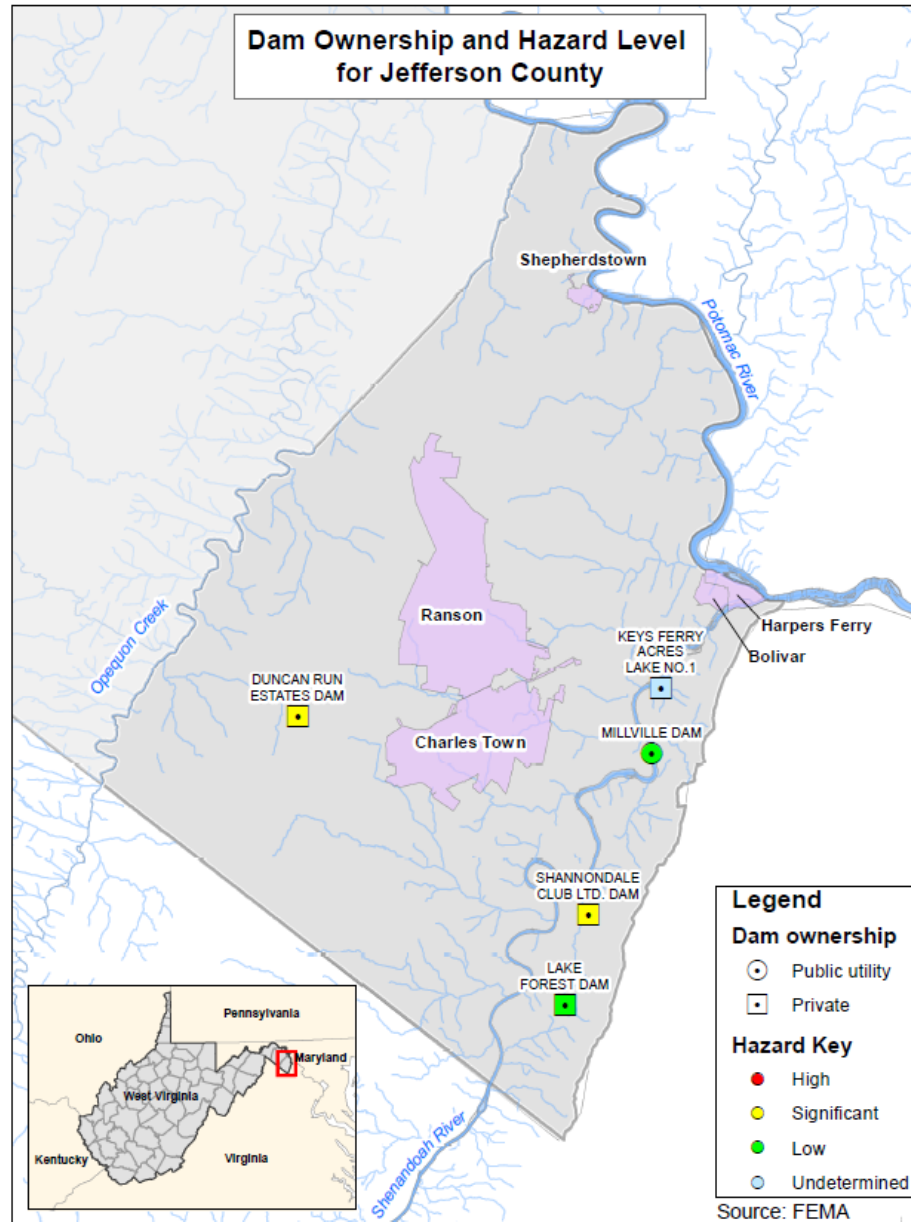
Dams and Levees



Dams by Hazard Type

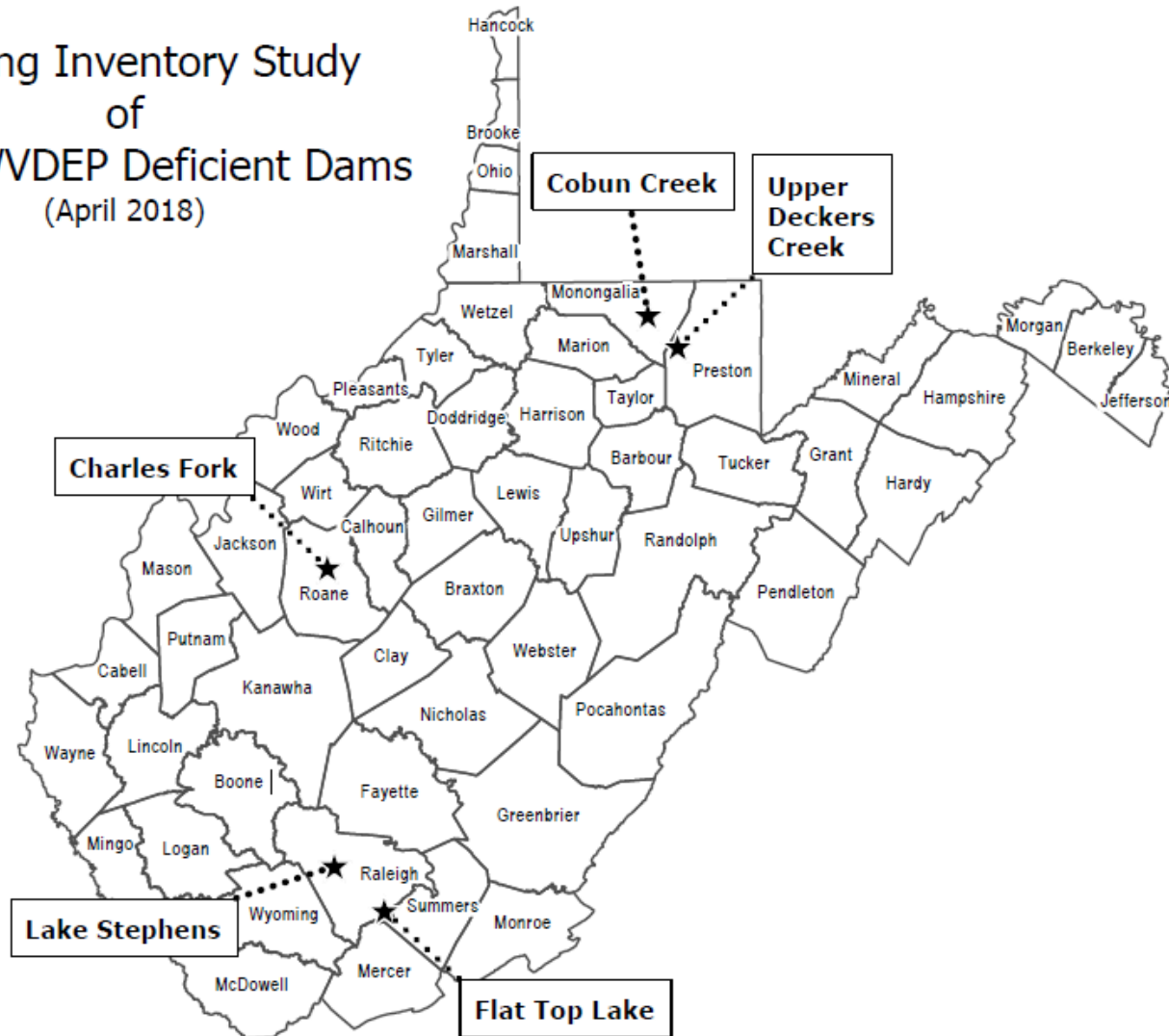


Dams of Jefferson County

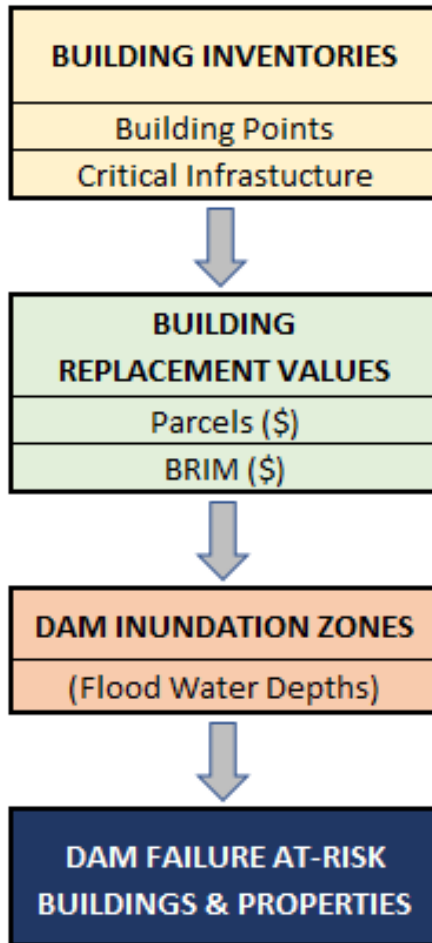


Building Inventories – Deficient Dams

Building Inventory Study of Select WVDEP Deficient Dams (April 2018)

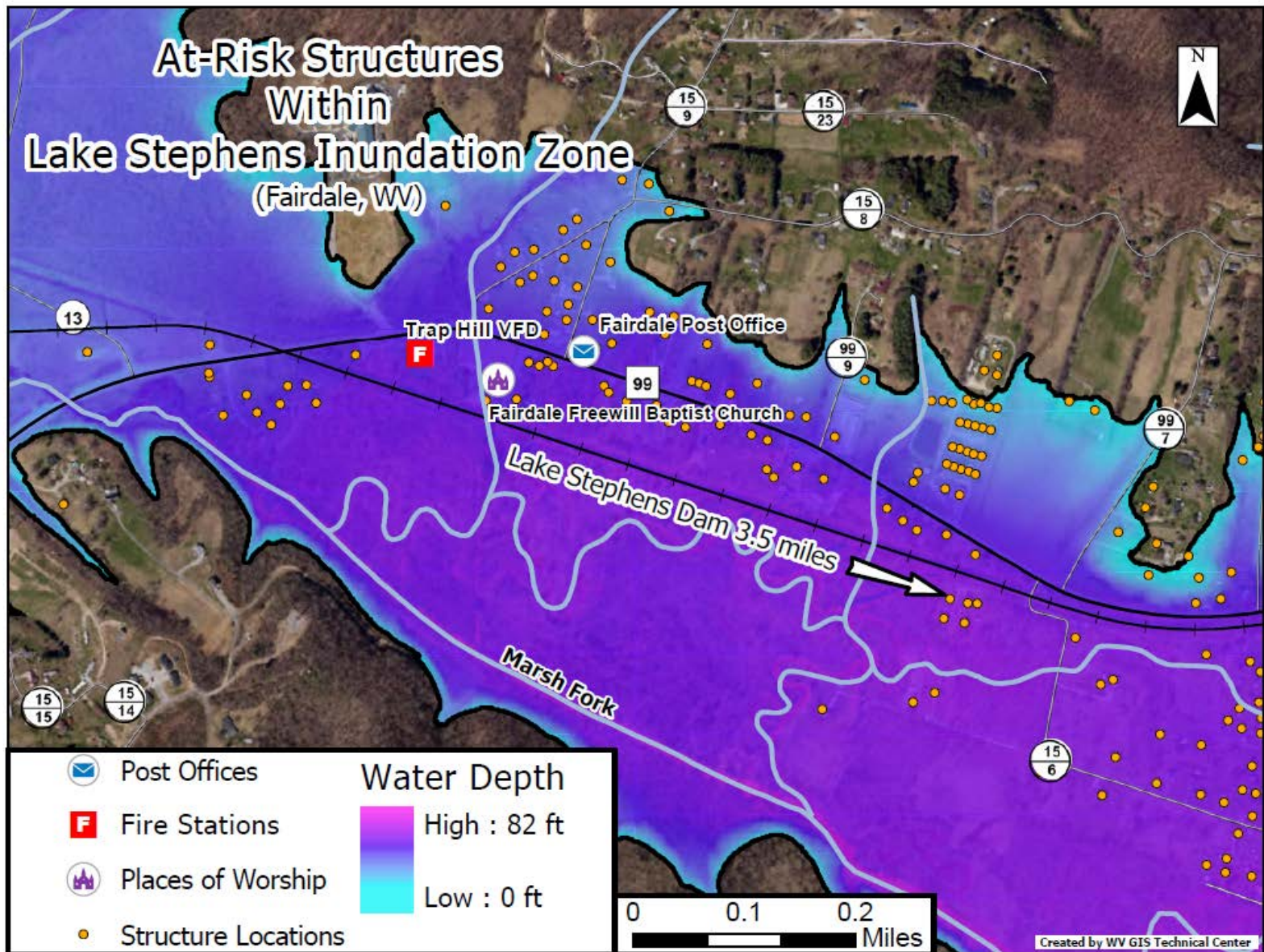


Building Inventories – Deficient Dams

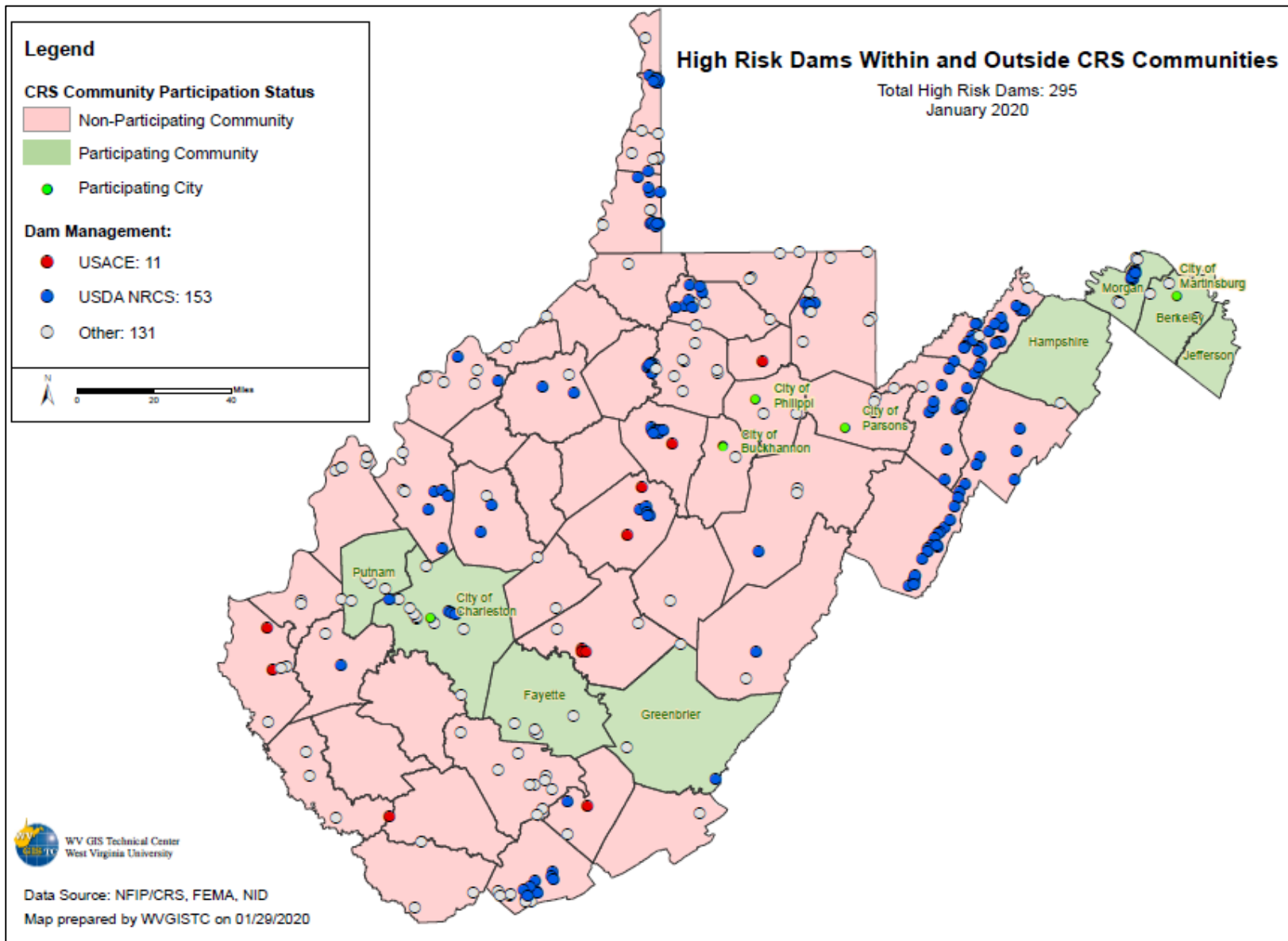


Category	Charles Fork #17 Dam	Cobun Creek Dam	Flat Top Lake Dam	Lake Stephens Dam	Upper Deckers #1 Dam
Hazard Potential Classification	High Risk	Significant Risk	High Risk	High Risk	Significant Risk
WV DEP Deficient Dams / Rank	T1 / 5		T1 / 14	T1 / 7	
Flood Inundation Area (sq. mi.)	3.06	0.04	3.38	4.91	1.55
Flood Inundation Area (acres)	1955	23	2164	3141	995
River or Stream	Charles Fork	Cobun Creek	Beaverpond Branch	Stephens Branch	Decker's Creek
Watershed	Little Kanawha	Upper Monongahela	Lower New	Coal	Upper Monongahela
County	Roane	Monongalia	Raleigh	Raleigh	Preston
Community and distance (mi)	Spencer (2 miles)	Morgantown (1 mile)	Cool Ridge (1 mile)	Surveyor (1 mile)	Arthurdale (1 mile)
Owner	City of Spencer	Morgantown Utility Board	Flat Top Lake Assoc.	Raleigh County Rec. Authority	Monongahela SCD
# Structures	983	7	252	1,071	188
Building Type - % Residential	58%	29%	85%	80%	75%
Building Type - % Farm	16%	0%	9%	5%	12%
Building Type - % Commercial / Industrial	13%	57%	1%	12%	9%
Building Type - % Other	13%	14%	5%	3%	4%
At-Risk Building Exposure Value (\$)	\$33,821,000	\$83,900	\$11,244,500	\$27,286,500	\$7,465,600
# Critical Facilities	7	0	1	5	0
Critical Facilities Exposure Value (\$)	\$2,025,500		\$203,300	\$1,175,800	
# Parcels Intersecting Inundation Zone	1,253	25	478	2,063	277
Land Use Type - % Vacant / Open Space	24%	68%	23%	44%	28%
Land Use Type - % Residential	40%	0%	45%	34%	50%
Land Use Type - % Agriculture	14%	0%	20%	8%	10%
Land Use Type - % Commercial / Industrial	9%	28%	5%	2%	8%
Land Use Type - % Other	13%	4%	7%	11%	5%

Building Inventories – Deficient Dams



High Risk Dams & CRS



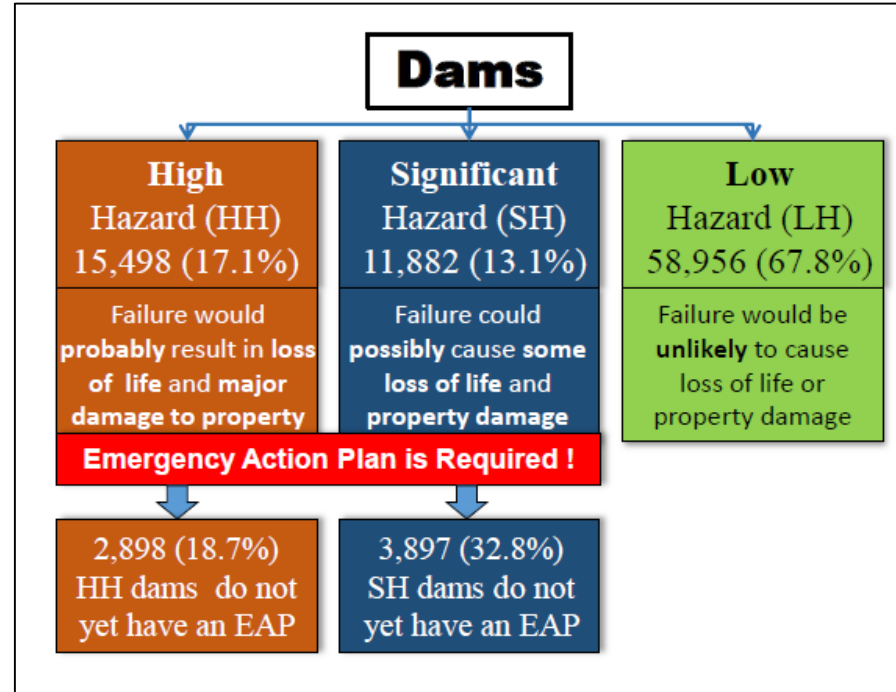
Communities Downstream of HH Dams

#	DAM NAME	RIVER	CITY	OWNER NAME	MAX. STORAGE	Downstream Communities (C1, C2, C3...n)					
						C1	C2	C3	C4	C5	C6
1	BLUESTONE DAM	NEW RIVER	HINTON	CELRH	631000	Hinton	Summers	Raleigh	Fayette	Thurmond	Oak Hill
2	SUMMERSVILLE DAM	GAULEY RIVER	SWISS	CELRH	413400	Nicholas	Fayette	Gauley Bridge	Smithers	Montgomery	Kanawha
3	TYGART DAM	TYGART RIVER	GRAFTON	CELRP	355000	Taylor	Grafton	Marion	Pleasant Valley	White Hall	Fairmont
4	SUMMERSVILLE DAM - DIKE NO. 2	GAULEY RIVER	SUMMERSVILLE	CELRH	283400	Nicholas	Fayette	Gauley Bridge	Smithers	Montgomery	Kanawha
5	SUTTON DAM	ELK RIVER	SUTTON	CELRH	265300	Braxton	Sutton	Gassaway	Clay	Clay	Kanawha
6	SUMMERSVILLE DAM - DIKE NO. 1	GAULEY RIVER	SUMMERSVILLE	CELRH	233400	Nicholas	Fayette	Kanawha	Clay	Gauley Bridge	Smithers
7	R D BAILEY DAM	GUYANDOT RIVER	JUSTICE	CELRH	203700	Wyoming	Mingo	Logan	Man	Logan	West Logan
8	STONEWALL JACKSON DAM	WEST FORK	BROWNSVILLE	CELRP	145000	Lewis	Weston	Harrison	West Milford	Clarksburg	Lumberport
9	EAST LYNN DAM	TWELVEPOLE CREEK	EAST LYNN	CELRH	82500	Wayne	Wayne	Ceredo	Kenova	Huntington	(?)
10	BURNSVILLE LAKE DAM	LITTLE KANAWHA RIVER	BURNSVILLE	CELRH	65900	Braxton	Burnsville	Gilmer	Sand Fork	Glenville	Calhoun
11	BEECH FORK LAKE DAM	BEECH FORK OF TWELVE POLE CK.	LAVALETTE	CELRH	37540	Wayne	Ceredo	Kenova	Cabell	Huntington	(?)

Communities downstream of USACE High Hazard Dams

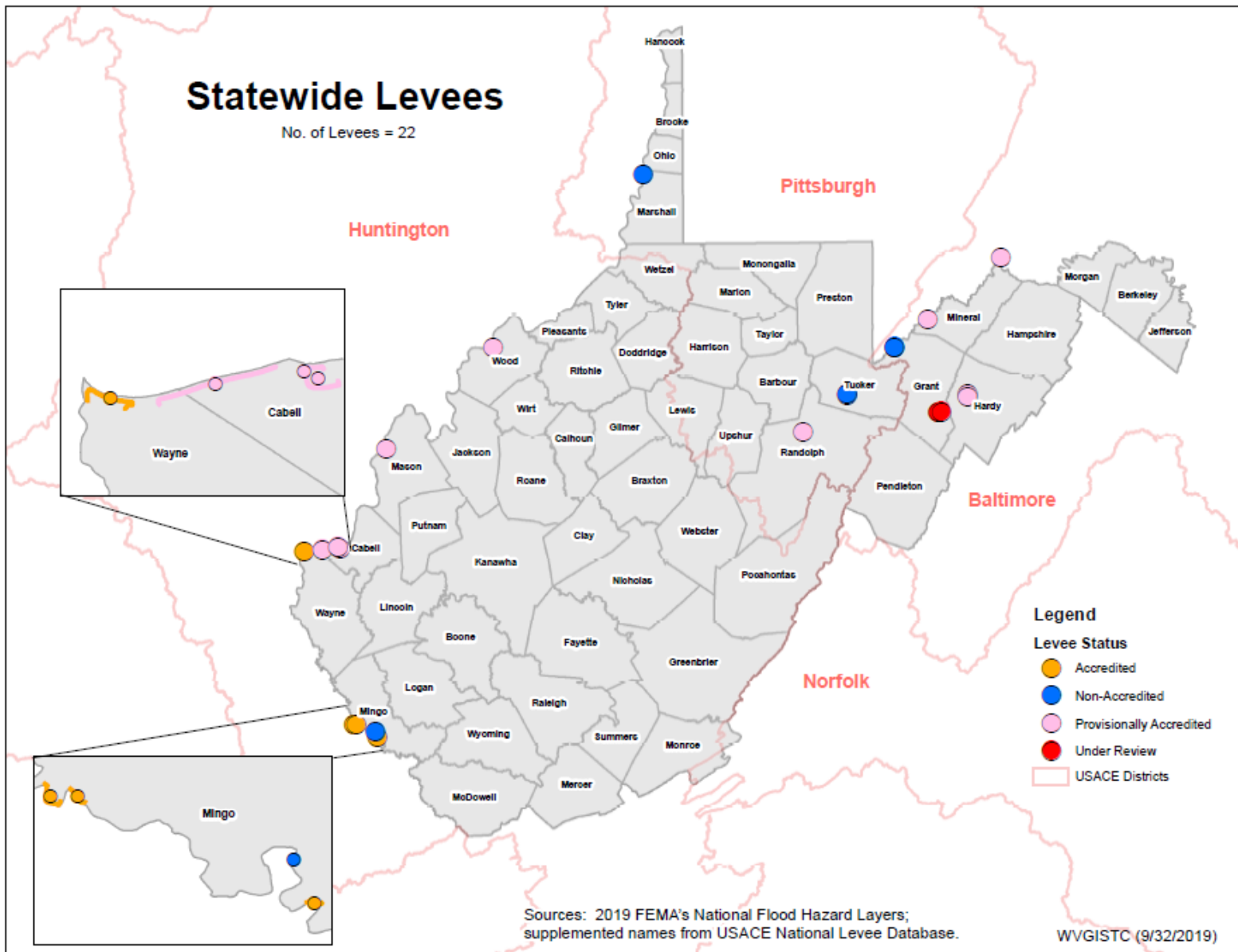
High Hazard Dams

Community Rating System (CRS)	
** COUNTIES UNINCORPORATED **	
Berkeley	3
Greenbrier	5
Fayette	13
Hampshire	1
Jefferson	0
Kanawha	19
Morgan	15
Putnam	8
** MUNICIPALITIES **	
Buckhannon	0
Charleston	10
Martinsburg	1
Parsons	1
Philippi	1
<i>total Counties Unincorporated</i>	64
<i>total Municipalities</i>	13
<i>total HR DAMs - CRS communities</i>	77
<i>percentage</i>	21%



West Virginia CRS Communities Downstream of High Hazard Dams

Levees



FEMA Levee Accreditation



LEVEE ACCREDITATION STATUS
WEST VIRGINIA - REGION 3
AS OF 5/20/2019

* ALL EXPIRED PALS (12 TOTAL) ARE SHOWN AS UNDER REVIEW
SOURCES: FAST, NLD
WV ORTHOIMAGERY NAIP 2016

