**Community Level (CL) Tables**1/23/2022

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# OVERVIEW

Summary:  **Community** level tables available from Statewide Risk Assessment for West Virginia. The hazard focus areas are the riverine 1%-annual-chance (100-yar) flood, dam failures, and landslides. The risk assessment information from these tables assists in generating community risk profiles and pinpointing communities of higher risk. Flood risk assessment data focuses on the built environment, specifically building exposure, occupancy class, building year (FIRM status), building damage loss, and structures of significant importance. Areas of Mitigation Interest (AoMI) are identified from repetitive loss structures, substantial damage estimates, and mitigated properties. Other hazards supported with risk assessment data include dam/levee failures and landslides. Refer to the building-level tables for risk assessment information at the structure level.

|  |  |
| --- | --- |
| **Risk Assessment Focus Area** | **Community Level Tabular Report** |
| Flood Zone Characteristics | * Flood Zone Breakdown by Length and Area |
| Floodplain Building Inventory and Future Map Conditions | * Primary Buildings in High-Risk Effective and Advisory Floodplains * Removal or Non-Removal Status of SFHA Structures with LOMAs * Building Counts and Building Value Exposure by Stream Name |
| Significant Structures of Importance | * Essential Facilities * Community Assets * National Register Areas |
| Floodplain Building Characteristics | * Building Exposure and Occupancy Type * Building Year and FIRM Status (Pre-FIRM/Post-FIRM) |
| Flood Damage Loss Estimates | * Building Damage, Total Exposure in Floodplain (TEIF), Debris Removal * Substantial Damage Estimates by Percent, Dollar Loss, Occupancy Class, and Minus Rating * Population Displacement and Short-Term Shelter Needs * Transportation Flood Inundation Models * Bridges Inundated < under development > |
| Mitigation | * Areas of Mitigation Interest (AoMI) <under development> * Repetitive Loss Structures < under development > * Mitigated Structures <under development > * Buyout Properties * Open Space Preservation <under development> |
| Other Hazards | * Dam and Levee Failures * Communities Downstream of High Hazard Dams * Landslide Incidents and Type * Landslide Susceptibility Building Exposure by Building Occupancy and Risk Categories * Landslide Susceptibility Area Percentages by Jurisdiction |
| Other Risk Assessment Datasets | * GIS Reference Layer Data Issues for Building Inventory * Community-Wide Building Counts for Addressable Structures * Community-Wide Building Exposure for Addressable Structures * WV Demographic Data for Population Displacement and Short-Term Shelter Need Models * Buildings Close to Flood Source < future development > |

# FLOOD ZONE CHARACTERISTICS

## Flood Zone Breakdown by Length and Area

1. **Flood Zone Breakdown by Length and Area**
   1. File Name: << CL\_Flood\_Zone\_Types\_Stream-Length\_aSFHA >>
   2. Description: Flood zone descriptions by community for stream length miles and by area. A required program variable for CRS communities, the area of the modified Special Flood Hazard Area (aSFHA) is the total SFHA area minus large water bodies and federal lands.
   3. FLOOD ZONE TYPE MEASURED BY STREAM LENGTH
      1. Stream Length(mi)-Zone AE
      2. Stream Length(mi)-Zone AH
      3. Stream Length(mi)-Zone AO
      4. Stream Length(mi)-Zones: AE,AH,AO
      5. Stream Length (mi)-Effective A
      6. Stream Length (mi)-Advisory A
      7. Total Length
      8. Detailed Zone %
      9. Approximate Zone %
      10. Advisory Zone %
   4. AREA OF SPECIAL FLOOD HAZARD AREA (SFHA); (applies to effective 1%-annual-chance floodplain)
      1. Total Community Area (acres)
      2. Total SFHA Area
      3. Water Bodies > 10 acres AND Wide Rivers > 500 ft.
      4. Federal Lands (> 10 acres)
      5. Modified Total SFHA Area (acres) minus large water bodies and federal lands (Column J)
      6. Ratio of aSFHA to Community Area (Column K)

# FLOODPLAIN BUILDING INVENTORY AND FUTURE MAP CONDITIONS

## Primary Buildings in High-Risk Effective and Advisory Floodplains – Future Map Conditions

1. **Primary Buildings in High-Risk Effective and Advisory Floodplains**
   1. File Nam**e:**  << CL\_Detailed\_Flood\_Zon**e >>**
   2. Description: Primary structures inventoried in the high-risk effective and advisory floodplains. If non-regulatory advisory floodplains have been mapped, future map conditions (e.g., mapped-in SFHA, mapped-out SFHA) are identified. Lists the flood zone breakdown (A, AE, AO, AH) and floodway designation for effective floodplain. A CRS program variable is the total buildings in the effective SFHA (bSF).
   3. Community: CID, Name, County, Unincorporated/Incorporated, RPDC
   4. SFHA - FUTUE MAP CONDITIONS
      1. Floodway
      2. No Change SFHA
      3. Mapped In SFHA
      4. Mapped Out SFHA
   5. HIGH-RISK FLOOD ZONES
      1. Buildings in High-Risk Effective Zones
      2. Buildings in High-Risk Advisory Zones
      3. Total Buildings in High-Risk Flood Zones
   6. SFHA BREAKDOWN
      1. Approximate A
      2. Detailed AE
      3. Detailed AE - Floodway
      4. Detailed AO
      5. Detailed AH
      6. Detailed Zones Total
      7. Effective SFHA Total (bSF program variable for CRS Communities)

## Removal or Non-Removal Status of SFHA Structures with LOMAs

1. **LOMAs Verified Removal Status – Structures Removed or Not-Removed from SFHA**
   1. File Name: << LOMA\_Verified\_Status.xls >>
   2. Description: Removal, Non-Removal, or Out-as-Shown status of SFHA Structures. In 2021, more than 50 percent of FEMA’s LOMAs were validated to the correct parcel or structures. The verified LOMAs are used to identify mapped-in and mapped-out SFHA structures of the effective floodplain.
   3. Community: CID, Name, County, Unincorporated/Incorporated, RPDC
   4. SFHA STATUS
      1. Non-Removal
      2. Removal
      3. Out as Shown
      4. Superseded
      5. No Match
      6. Community TOTAL
   5. POSITIONAL ACCURACY MATCH TO PROPERTY
      1. Yes, original LOMA coordinates in correct parcel
      2. % Yes
      3. No original LOMA coordinates not in correct parcel
      4. % No

## Building Counts and Building Value Exposure by Stream Name

1. **Buildings by Stream Name (Flood Source)**
   1. File Names:
      1. << CL\_StreamNames\_Top Streams\_Region.xls >> Top Stream Building and Value County by Region
      2. << CL\_ and CL\_StreamQueryCommunity\_Rx >> Regional File
   2. Description: Building counts and dollar exposure value for each river/stream. Regional files list stream building counts and dollar value summary at the countywide and community-wide levels.
   3. Stream Name (Flood Source)
   4. Total Building Count
   5. Total Building Value

# SIGNIFICANT STRUCTURES OF IMPORTANCE

## Essential Facilities

1. **Essential Facilities**
   1. File Name: << CL\_Essential\_Facilities\_assets,xls >>
   2. Description:
      1. Definition: Essential facilities provide critical services to the community and include police and fire stations, E-911 emergency operations centers, schools (often used as shelters), hospitals, and nursing homes. FEMA identifies these critical facilities as essential in its Hazus-MH risk assessment tool.
      2. Higher Standard: Essential facilities are inventoried to the higher standard 0.2 percent (500-year) floodplain or protect the facilities to the 0.2 percent chance flood level. The 500-year floodplain generally covers a larger area than the base floodplain (1 percent chance flood or 100-year). If a critical facility must be in a floodplain then it should be provided a higher level of protection so that it can continue to function and provide services after the flood. Communities should develop emergency plans to continue to provide these services during the flood.
   3. Community: CID, Name, County, Unincorporated/Incorporated, RPDC
   4. FACILITY TYPE
      1. Police Station
      2. Fire Station
      3. 911 Center
      4. School
      5. Hospital
      6. Nursing Home
   5. FLOOD ZONE BREAKDOWN
      1. Total - Effective Floodway
      2. Total - 100-Yr Effective Floodplain
      3. Total - Advisory Floodplain
      4. Total - 500-Yr floodplain
      5. Total - 100 & 500-Yr Floodplain

## Community Assets

1. **Community Assets**
   1. File Name: << CL\_Community\_Assets,xls >>
   2. Description: Community assets are historical structures listed on the National Register of Historic Places, government facilities (federal, state, local), emergency medical services (EMS), religious organizations, utilities, postsecondary educational facilities, or other buildings of significance that contribute to the *built environment* of community. A hazard vulnerability analysis of community historic/cultural should be conducted by emergency management officials, floodplain managers, and risk planners to develop mitigation strategies for these assets.
      1. Non-Historical: Data sources are primarily form the property tax assessment records and secondarily from other state reference layers and business directory lists.
      2. Historical: The data sources for the historical buildings are from the National Register *site* and *area* designations. Buildings identified within National Register Areas or registered historic districts are older than 1930.
   3. Community: CID, Name, County, Unincorporated/Incorporated, RPDC
   4. NON-HISTORICAL
      1. Religious Org.
      2. Govt. Bldg.
      3. Utility
      4. Education
      5. EMS
      6. Other
      7. Total (Non-Historical)
   5. HISTORICAL
      1. NR Bldg. Sites
      2. Bldgs. in NR Area (older than 1930)
      3. Total Historic Bldgs.
      4. # NR Areas /Districts in 1% Floodplain
   6. TOTAL COMMUNITY ASSETS
      1. Estimated Total Community Assets

## National Register Areas (Feature Level)

1. **Historical Community Assets – National Register Areas**
   1. File Name: << FL\_CommunityAssets\_NRAreas.xls >>
   2. Description: National Register Areas or Historical Districts features that intersect the 1%-annual-chance floodplain.
   3. Community: CID, Name, County, Unincorporated/Incorporated, RPDC
   4. NATIONAL REGISTER AREA
      1. Historic Name
      2. # Building Points in National Register Area
      3. Feature Link to WV Flood Tool

# FLOODPLAIN BUILDING CHARACTERISTICS

## Building Exposure and Occupancy Type

1. **Building Dollar Exposure and Building Occupancy Type**
   1. File Name: << CL\_building\_exposure\_occupancy >>
   2. Description: Building count and dollar exposure for 12 Hazus occupancy classes: Single Family Dwelling (RES1) Mobile Home (RES2), Multi-Family Duplex (RES3A), Multi-Family Dwelling 3-4 Units (RES3B), Multi-Family > 4 Units (RES3C to RES3F), Other Residential Group Quarters (RES4 to RES6), Commercial (COMx), Industrial (INDx), Agricultural (AGRx), Educational (EDUx), Government (GOVx), and Religious/Non-Profit (RELx). Occupancy categories according to Structure Use (Residential classification includes RES3C to RES6 categories) and Structure Type (Residential classification does not RES3C to RES6 categories). Total floodplain building count and building value for 1% effective and advisory floodplains.
   3. Community: CID, Name, County, Unincorporated/Incorporated, RPDC
   4. 12 BUILDING OCCUPANCY CLASSES
      1. Residential
         1. Count Residential - Single Family Dwelling
         2. Value Residential - Single Family Dwelling
         3. Count Residential - Mobile Home
         4. Value Residential - Mobile Home
         5. Count Residential - Multi-Family - Duplex
         6. Value Residential - Multi-Family - Duplex
         7. Count Residential - Multi-Family Dwelling 3-4 Units
         8. Value Residential - Multi-Family Dwelling 3-4 Units
         9. Count Residential Multi-Family Dwelling >4 Units
         10. Value Residential Multi-Family Dwelling >4 Units
         11. Count Residential - Other
         12. Value Residential - Other
      2. Non-Residential Business
         1. Count Commercial - Commercial
         2. Value Commercial - Commercial
         3. Count Commercial - Industrial
         4. Value Commercial - Industrial
      3. Non-Residential Other
         1. Count Other - Agricultural
         2. Value Other - Agricultural
         3. Count Other - Educational
         4. Value Other - Educational
         5. Count Other - Government
         6. Value Other - Government
         7. Count Other - Religious/Non-Profit
         8. Value Other - Religious/Non-Profit
   5. OCCUPANCY BY STRUCTURE USE
      1. Count STRUCTURE USE - RESx
      2. Value STRUCTURE USE - RESx
      3. Count STRUCTURE USE - Commercial
      4. Value STRUCTURE USE - Commercial
      5. Count STRUCTURE USE - Other Non-Residential
      6. Value STRUCTURE USE - Other Non-Residential
   6. OCCUPANCY BY STRUCTURE TYPE
      1. Count STRUCTURE TYPE - Residential (1-4 Units)
      2. Value STRUCTURE TYPE - Residential (1-4 Units)
      3. Count STRUCTURE TYPE - Non-Residential
      4. Value STRUCTURE TYPE - Non-Residential
   7. FLOODPLAIN TOTAL
      1. Count Floodplain Total (Effective & Advisory)
      2. Value Floodplain Total (Effective & Advisory)

## Building Year and FIRM Status (Pre-FIRM/Post-FIRM)

1. **Building Year and FIRM Status**
   1. File Name: << CL\_FIRM.xls Table >>
   2. Description: FIRM Status, Minus-Rated and FIRM Status, Summary statistics for Building Year, Building Replacement Value, and Building Damage Loss Estimates. Damage estimates are computed for a riverine 1%-annual-chance flood event using FEMA’s Hazus Flood Assessment Structure Tool (FAST).
   3. Community: CID, Name, County, Unincorporated/Incorporated, RPDC
   4. FIRM STATUS
      1. Initial FIRM Effective Date (Column F)
      2. Pre-FIRM
      3. Post-FIRM Regulated to Pre-FIRM
      4. Post-FIRM (Column I)
      5. Unknown Bldg. Year / FIRM Status
      6. Total Building County (Effective & Advisory)
      7. % Pre-FIRM
      8. % Post-FIRM Regulated to Pre-FIRM
      9. % Post-FIRM (Column N)
      10. % Unknown
      11. % Unknown RES2 Mobile Homes
      12. % Unknown Tax Exempt (Property Class X or Other Non-Residential)
   5. MINUS RATED and FIRM STATUS
      1. High Damage Count (BldgDmgPct >= 50% OR BldgLossUSD > $10K) (Column S)
      2. MINUS-RATED > 2 & POST-FIRM (Column T)
      3. MINUS-RATED > 2 & BLDG YEAR UNKNOWN
   6. BUILDING YEAR / VALUE / DAMAGE STATISTICS
      1. Average Building Year
      2. Median Building Year (Column X)
      3. Average Building Value
      4. Median Building Value (Column Z)
      5. Average Building Value RES 1
      6. Median Building Value RES 1 (Column AB)
      7. Average Percent Damage
      8. Median Percent Damage (Column AD)
      9. Average Dollar Damage
      10. Median Dollar Damage (Column AF)

# FLOOD DAMAGE LOSS ESTIMATES

## Building Damage, Total Exposure in Floodplain (TEIF), Debris Removal

1. **Total Exposure in Floodplain (TEIF), Debris Removal Totals. Presented by 8 Hazus generalized occupancy classes.**
   1. File Name: << CL\_TEIF\_DamageLoss\_Debris.xls >>
   2. Description: Total Exposure in Floodplain (TEIF) for the following Hazus generalized occupancy classes: Residential Units 1-4 (RES1-RES4), Residential Units > 4 (RES4-RES6), Commercial (COMx), Industrial (INDx), Agriculture (AGRx), Education (EDUx), Government (GOVx), and Religious/Non-Profit (RELx). Building damage estimates and debris totals are calculated for all flood-prone communities. Damage estimates are computed for a riverine 1%-annual-chance flood event using FEMA’s Hazus Flood Assessment Structure Tool (FAST).
   3. Community: CID, Name, County, Unincorporated/Incorporated, RPDC
   4. Residential 1-4 Units (RES1 to RES3B)
      1. Count Residential 1-4 Units
      2. Value Residential 1-4 Units
      3. TEIF Loss Residential 1-4 Units (Column I)
      4. TEIF Loss Ratio Residential 1-4 Units (Column J)
      5. Debris Damage Residential 1-4 Units
   5. Other Residential > 4 Units (RES4 to RES6)
      1. Count Residential >4 Units
      2. Value Residential >4 Units
      3. TEIF Loss Residential >4 Units
      4. TEIF Loss Ratio Residential >4 Units
      5. Debris Damage Residential >4 Units
   6. Commercial (COMx)
      1. Count Commercial
      2. Value Commercial
      3. TEIF Loss Commercial
      4. TEIF Loss Ratio Commercial
      5. Debris Damage Commercial
   7. Industrial (INDx)
      1. Count Industrial
      2. Value Industrial
      3. TEIF Loss Industrial
      4. TEIF Loss Ratio Industrial
      5. Debris Damage Industrial
   8. Agriculture (AGRx)
      1. Count Agricultural
      2. Value Agricultural
      3. TEIF Loss Agricultural
      4. TEIF Loss Ratio Agricultural
      5. Debris Damage Agricultural
   9. Education (EDUx)
      1. Count Educational
      2. Value Educational
      3. TEIF Loss Educational
      4. TEIF Loss Ratio Educational
      5. Debris Damage Educational
   10. Government (GOVx)
       1. Count Governmental
       2. Value Governmental
       3. TEIF Loss Governmental
       4. TEIF Loss Ratio Governmental
       5. Debris Damage Governmental
   11. Religious/Non-Profit (RELx)
       1. Religious/Non-Profit
       2. Count Religious/Non-Profit
       3. Value Religious/Non-Profit
       4. TEIF Loss Religious/Non-Profit
       5. TEIF Loss Ratio Religious/Non-Profit
       6. Debris Damage Religious/Non-Profit
   12. Grand Total
       1. Bldg. Count Total (Column AT)
       2. Bldg. Value Total (Column AU)
       3. TEIF Loss Total (Column AV)
       4. TEIF Loss Ratio Total (Column AW)
       5. Debris Damage Total (in tons) (Column AX)

## Substantial Damage Estimates by Percent, Dollar Loss, Occupancy Class, and Minus Rating

1. **Substantial Damage Estimates by Percent, Dollar Loss, and Occupancy Class. Minus-Rated Structures.**
   1. File Name: << CL\_TEIF\_DamageLoss\_Debris.xls >>
   2. Description: Substantial damage estimates by percent and dollar loss, substantial damage by generalized occupancy classes (Residential, Commercial, Other Non-Residential). Table includes minus-rated structures with FIRM status. Damage estimates are computed for a riverine 1%-annual-chance flood event using FEMA’s Hazus Flood Assessment Structure Tool (FAST).
   3. Community: CID, Name, County, Unincorporated/Incorporated, RPDC
   4. MINUS RATED STRUCTURES
      1. < Minus 1 ft. or No Depth Value
      2. Minus 1-5 ft
      3. Minus 5-10 ft
      4. > Minus 10 ft
      5. Average Value of Minus Rated Structures
      6. Median Value of Minus Rated Structures
      7. Total # of Minus Rated Structures (Column M)
   5. MINUS RATED with FIRM STATUS
      1. >= Minus 1 ft. and Pre-FIRM
      2. >= Minus 1 ft. and Post-FIRM (Column P)
      3. >= Minus 1 ft. and Unknown Building Year
   6. SDE PERCENT DAMAGE
      1. <1 % or No Depth Value
      2. 1-10% (Slight Damage)
      3. 10-50% (Moderate Damage)
      4. 50-100% (Substantial Damage) (Column V)
      5. Average Building Damage Percent (%) >= 1% Damage
      6. Median Building Damage Percent (%) >= 1% Damage (Column X)
      7. Total # of Buildings >= 1% Damage
   7. SDE DOLLAR DAMAGE ($)
      1. < $1K or No Depth Value
      2. $1K-$50K
      3. $50K-$100K
      4. > $100K
      5. Average Building Damage Value ($) >= $1K Damage
      6. Median Building Damage Value ($) >= $1K Damage
      7. Total Damage Value ($)
      8. Total # of Buildings >= $1K Damage (Column Y)
   8. SUBSTANTIAL DAMAGE BY OCCUPANCY CLASS
      1. Count SDE Residential
      2. Value SDE Residential
      3. Count SDE Residential (> 4 Units)
      4. Value SDE Residential (> 4 Units)
      5. Count SDE Commercial
      6. Value SDE Commercial
      7. Count SDE Other
      8. Value SDE Other

## Population Displacement and Short-Term Shelter Needs

1. **Population Displacement and Short-Term Shelter Needs** 
   1. File Name: << CL\_population\_shelter\_needs\_ownership.xls >>
   2. Description: Displaced population and short-term sheltering needs for a 1% annual chance flood event. Displacement and shelter models are calculated using FEMA’s Hazus methodology. Reference data fields: percentage of owner-occupied homes; floodplain building count and dollar value exposure for occupancy classes Residential, Commercial, and other Non-Residential.
   3. Community: CID, Name, County, Unincorporated/Incorporated, RPDC
   4. CENSUS POPULATION OF COMMUNITY
      1. Total Community Population
      2. Average Residential Household Size
   5. POPULATION IN HIGH-RISK FLOODPLAIN
      1. Population Residing in High-Risk Flood Zone
      2. Percentage of Population Residing in High-Risk Flood Zone
   6. POPULATION DISPLACEMENT
      1. Displaced Population
      2. Percentage of Population in Flood Zones Displaced
      3. Number of Households with inundation water depth >= 1 foot
   7. SHORT-TERM SHELTERING NEEDS
      1. Estimated Population in Need of Short-Term Shelter
      2. Percentage of Population in Flood Zones in Need of Shelter
      3. Companion Dogs Shelter Need
      4. Companion Cats Shelter Need
   8. OWNER-OCCUPIED HOMES
      1. Percentage of Owner-Occupied Homes
   9. FLOODPLAIN OCCUPANCY CLASS EXPOSURE
      1. Count Residential
      2. Value Residential
      3. Count Commercial
      4. Value Commercial
      5. Count Other
      6. Value Other

## Transportation Flood Inundation Models

1. **Transportation Road and Railroad Flood Inundation Models**
   1. File Name: << CL\_Transportation\_Roads\_RR.xls >>
   2. Description: Road and railroad flood inundation models for a 1% annual chance flood event. Transportation feature totals measured in miles. Includes flood depth categories which are relevant to vehicle rescue and response:
      1. <= 1 ft. A foot of water will float many vehicles. Response focused on those who need additional assistance.
      2. 1 - 3 ft. Two feet of water will carry away most vehicles. Three feet of water will easily float a bus. A high-water vehicle rescue limit is about 3 feet.
      3. > 3 ft. All vehicles incur substantial water damage and may be carried away by flood waters. Boats and helicopters are required to perform high water rescues when water depths exceed three feet. The risk to people increases with higher water velocities and flood depths.
   3. Community: CID, Name, County, Unincorporated/Incorporated, RPDC
   4. ROADS
      1. Roads Total (miles)
      2. 1% Annual Chance Floodplain (Effective & Advisory)
         1. Roads in Floodplain
         2. Interstate Roads
         3. Interstate Roads (Ratio)
         4. US Roads
         5. US Roads (Ratio)
         6. State Roads
         7. State Roads (Ratio)
         8. Other Roads
         9. Other Roads (Ratio)
         10. Roads Flooded
         11. % Miles flooded to miles in flood plain
         12. % Miles flooded to total community mileage
      3. Roads inundated by 1% flood event. Classified by flood depths.
         1. Roads Below 1ft
         2. Roads Below 1ft (Ratio)
         3. Roads 1 to 3ft
         4. Roads 1 to 3ft (Ratio)
         5. Roads Above 3ft
         6. Roads Above 3ft (Ratio)
   5. RAILROADS
      1. Railroads Total (miles)
      2. 1% Annual Chance Floodplain (Effective & Advisory)
         1. Railroads in Floodplain
         2. Railroads Flooded
         3. % Miles flooded to miles in flood plain
         4. % Miles flooded to total community mileage
      3. Railroads inundated for 1% flood event. Classified by flood depths.
         1. Railroads Below 1ft
         2. Railroads Below 1ft (Ratio)
         3. Railroads 1 to 3ft
         4. Railroads 1 to 3ft (Ratio)
         5. Railroads Above 3ft
         6. Railroads Above 3ft (Ratio)

## Bridges Inundated < under development >

1. **Bridges Inundated**
   1. File Name: << CL\_Transportation\_Road\_RR\_*Bridge*.xls >>
   2. Description: Bridges estimated to be inundated BY a 1%-annual-chance flood event. The bridge deck and base flood elevations are needed for the flood inundation determination.
   3. Community: CID, Name, County, Unincorporated/Incorporated, RPDC
      1. DATA FIELDS
         1. Bridges Total
         2. # Bridges in floodplain
         3. # Bridges inundated
         4. % inundated to floodplain total
         5. % inundated to county total

# MITIGATION

## Areas of Mitigation Interest (AoMI) <under development>

1. Areas of Mitigation Interest <under development >
   1. File Name: << FL\_Areas\_of\_Mitigation\_Interest.xls >>
   2. Description: Areas of Mitigation Interest (AoMI) identified by Repetitive Loss Structures, Substantial Damage Estimate Models, Mitigated Properties, High Water Marks, Flood Depths, Similar Terrain, etc. Communities should field check the AoMI boundaries and building inventory. Consider communicating risk assessment and mitigation information to property owners within Areas of Mitigation Interest.
   3. DATA FIELDS
      1. AoMI Name
      2. County
      3. Community
      4. CID
      5. Stream\_Name
      6. RL\_Area (Repetitive Loss Structures in AoMI)

## Repetitive Loss Structures < under development >

## Mitigated Structures <under development >

## Buyout Properties

1. **Buyout Properties**
   1. File Name: << CL\_Buyout\_Properties.xls >>
   2. Description: Mitigated buyout properties by community inventoried for the State.
   3. Community: CID, Name, County, Unincorporated/Incorporated, RPDC
   4. Buyout Parcels
      1. Flood Parcels in Effective SFHA
      2. Flood Parcels in Advisory SFHA
      3. Buyout Parcels Non-SFHA
      4. Total Flood Buyout Parcels
      5. Landslide Buyout Parcels
      6. Total Buyout Properties (Flood plus Landslide) (Column K)
   5. Verified Properties (Column L)
   6. Non-Verified Properties (Column M)
   7. # of Parcels with Building Values > 0

## Open Space Preservation <under development>

1. **Open Space Preservation**
   1. File Name: << CL\_OSP\_CRS\_OpenSpace-NaturalFloodplain.xls >>
   2. Description: Open Space Preservation that provides opportunities for communities to earn Community Rating System credit as well as identifying impervious surfaces and riparian zones. Tabular reports need to be updated with current building inventory and buyout properties.
      1. CRS-422a: Acres of Open Space Preservation (OSP) in the Regulatory Floodplain (SFHA)
      2. CRS-422b: Acres of Deed Restricted (DR) in SFHA
      3. CRS-422c: Acres of Natural Functions Open Space (NFOS) in SFHA
      4. CRS-432b: Freeboard for SFHA minus OSP (Areas requested for FRB credit must exclude areas credited for OSP)
      5. CRS-320 (MI7): Map Information Services - Natural floodplain functions (MI7). Up to 20 points for providing information about areas that should be protected because of their natural floodplain functions.
      6. Impervious Surfaces
      7. Riparian Zones
   3. DATA FIELDS
      1. OPEN SPACE PRESERVATION (OSP) CRS 422a
         1. Total Community Area
         2. aSFHA
         3. aOSP
         4. aPublic
         5. aPrivate
         6. aDR
         7. rOSP
         8. cOSP
         9. Total area of parcels preserved as open space (OSP) in SFHA (aOSP, aPublic, aPrivate, aDR)
      2. DEED RESTRICTIONS (DR) CRS 422b
         1. Total Community Area
         2. aSFHA
         3. aDR
         4. rDR
         5. cDR
      3. NATURAL FUNCTIONS OPEN SPACE (NFOS) CRS 422c
         1. Total Community Area
         2. aSFHA
         3. aNFOS#1 (Undeveloped Natural State)
         4. aNFOS#3 (Threatened or Endangered Species)
         5. rNFOS#1
         6. rNFOS#3
         7. cCFOS
      4. FREEBOARD (CRS 432b)
         1. Total Community Area
         2. aSFHA
         3. aOSP
         4. aFRB
         5. rFRB
         6. cFRB
      5. ACQUISITION AND RELOCATION OF BUILDINGS (CRS 520)
         1. Buyout Parcels in SFHA
         2. Buyout Parcels out of SFHA
         3. Buyout Parcels Total
         4. bSF
         5. bRL
         6. bCF
         7. bAR
         8. rAR
         9. c520-1
         10. c520-2.1
         11. c520-2.2
         12. c520-2
         13. Source
      6. NATURAL FLOODPLAIN FUNCTIONS (CRS 320 Map Information Services)
         1. Total Community Area
         2. aSFHA
         3. aWetlands
         4. aRiparian
         5. nSpecies
      7. IMPERVIOUS AND PERVIOUS SURFACES
         1. Total Area
         2. Total Impervious Area
         3. Total Pervious Area
         4. Total SFHA Area
         5. Total Impervious SFHA Area
         6. Total Pervious SFHA Area
         7. SFHA / Impervious
         8. SFHA / Pervious
      8. RIPARIAN ZONES (bSF)
         1. Address Count - SFHA
         2. Building Footprint Count - SFHA
         3. Average Count (bSF) – SFHA
         4. UDF Building Inventory

# OTHER HAZARDS

## Dam and Levee Failures

1. **Dams and Levees**
   1. File Name: << CL\_Dams\_Levees.xls >>
   2. Description: Dam failures categorized by owner type and hazard classification. Levees categorized by USACE ownership and accreditation.
   3. Community: CID, Community Name, Community Type, RPDC
   4. DAMS
      1. OWNER TYPE
         1. Federal Owned
         2. State Owned
         3. Local Government Owned
         4. Public Utility Owned
         5. Private Owned
         6. Unknown Owned
      2. HAZARD CLASSIFICATION
         1. High Hazard
         2. Significant Hazard
         3. Low Hazard
         4. Undetermined Hazard
   5. LEVEES
      1. Total Count
      2. USACE Owned
      3. Accredited
      4. Provisionally Accredited
      5. Not Accredited

## Communities Downstream of High Hazard Dams

1. Communities Downstream of High Hazard Dams
   1. File Name: << WV\_HH\_Dams\_Communities\_Downstream.xls >>
   2. Description: Communities downstream of high hazard dams. Source of dams form the National Inventory Database.
   3. Dam Attributes
      1. National Inventory Dam Links
         1. DAM\_NAME
         2. OTHER\_DAM\_
         3. NIDID
         4. COUNTY
         5. REGION
         6. RIVER
         7. CITY
         8. DISTANCE
         9. OWNER\_NAME
         10. OWNER\_TYPE
         11. DAM\_DESIGN
         12. PRIVATE\_DA
         13. DAM\_TYPE
         14. PURPOSES
         15. YEAR\_COMPL
         16. YEAR\_MODIF
         17. DAM\_HEIGHT
         18. MAX\_STORAGE (Acre-Feet)
         19. HAZARD
         20. Rank
         21. EAP
         22. STATE\_REG\_
         23. STATE\_REG1
         24. FED\_FUNDING
         25. Flood Tool Link
      2. Communities Downstream: C1 to C38
      3. Dam Inundation Zone available < in development >

## Landslide Incidents and Type

1. **Landslide Incidents and Type**
   1. File Name: << CL\_Landslide\_Incidents\_and\_Types.xls >>
   2. Description: Landslide incidents mapped from LiDAR-derived elevation and classified by Slide, Debris Flow, Rock Fall, Lateral Spread, Multiple Failures, and Undetermined
   3. Community: CID, Community Name, County, Community Type, Region
   4. LANDSLIDE TOTAL AND TYPES (1 or 2 meter LiDAR Identified Landslide Points)
      1. Total Count (total landslides mapped)
      2. Debris Flow
      3. Rock Fall
      4. Lateral Spread
      5. Multiple Failures
      6. Slide
      7. Undetermined
   5. 1976 WVGES Study LiDAR Verified Points (Monongalia County)
      1. Verified Recent Slide
      2. Verified Older Slide
      3. Verified Rock Fall
      4. Verified Recent Slide
      5. Subtotal

## Landslide Susceptibility Building Exposure by Building Occupancy and Risk Categories

1. **Landslide Susceptibility Building Exposure**
   1. File Name: << CL\_landslide\_susceptability\_countywide.xls >>
   2. Description: Landslide susceptibility by building counts and dollar values, grouped by building occupancy class and risk categories (High-Medium-Low). Countywide building counts and building dollar values were computed from E-911 site addresses (building counts) and the property tax assessment records (building dollar values).
   3. Community: CID, Community Name, County, Community Type, Region
   4. Data Fields:
      1. LANDSLIDE SUSCEPTIBILITY BY OCCUPANCY CLASSES
         1. Residential-H count
         2. Residential-H value
         3. Residential-M count
         4. Residential-M value
         5. Residential-L count
         6. Residential-L value
         7. Commercial-H count
         8. Commercial-H value
         9. Commercial-M count
         10. Commercial-M value
         11. Commercial-L count
         12. Commercial-L value
         13. Other-H count
         14. Other-H value
         15. Other-M count
         16. Other-M value
         17. Other-L count
         18. Other-L value
      2. LANDSLIDE SUSCEPTIBILITY BY RISK CATEGORIES
         1. Total - H Count
         2. Total - H Value
         3. Total - H Percent
         4. Total - M Count
         5. Total - M Value
         6. Total - M Percent
         7. Total - L Count
         8. Total - L Value
         9. Total - L Percent
      3. BUILDING COUNT AND EXPOSURE VALUE
         1. Total Count
         2. Total Value

## Landslide Susceptibility Area Percentages by Jurisdiction

1. **Landslide Susceptibility Area Percentages by Jurisdiction**
   1. File Name: << CL\_landslides\_areas\_jurisdiction\_ratio,xls >>
   2. Description: Percentage of landslide susceptibility risk area for each jurisdiction or community.
   3. Community: CID, Community Name, County, Community Type (Incorporated/Unincorporated), Region
   4. Community (Jurisdiction) Area
   5. LANSLIDE SUSCEPTIBILITY AREAS AND PERCENTAGES
      1. High Susceptibility Area %
      2. Medium Susceptibility Area
      3. Medium Susceptibility Area %
      4. Low Susceptibility Area
      5. Low Susceptibility Area %
      6. Total (High & Medium) Susceptibility Area
      7. Total (High & Medium) Susceptibility Area %

# OTHER RISK ASSESSMENT DATASETS

## GIS Reference Layer Data Issues for Building Inventory

1. **GIS Reference Layer Data Issues for Building Inventory**
   1. File Name: << CL\_Reference\_Layer\_Data\_Issues.xls >>
   2. Description: Issues with GIS reference layers – Parcel geometry / assessment records, E-911 addresses, and aerial imagery – that affect the accurateness and completeness of the building inventory and risk assessments.
   3. Data Fields
      1. Community: Community: CID, Community Name, County, Incorporated/Unincorporated, Region
      2. TOTAL DATA ISSUES
         1. Count Total
         2. Count Total Data Issues
         3. % Total Data Issues
      3. ASSESSMENT RECORDS
         1. Count Different Assessment Record
         2. % Different Assessment Record
         3. Count No Assessment Record
         4. % No Assessment Record
         5. Count Building Value Source <> Assessment
         6. % Building Value Source <> Assessment
         7. Count Building Value Source = Single/Double Wide Mobile Home
         8. % Building Value Source = Single/Double Wide Mobile Home
         9. Count X and No Assessment Record
         10. % X and No Assessment Record
      4. PARCEL GEOMETRY
         1. Count Parcel Geometry Misalignment
         2. % Parcel Geometry Misalignment
         3. Count No GIS Parcel Geometry
         4. % No GIS Parcel Geometry
      5. E-911 ADDRESSES
         1. Count Wrong E-911 Address
         2. % Wrong E-911 Address
         3. Count Address: None or Missing
         4. % Address: None or Missing
         5. Count Address Incomplete
         6. % Address Incomplete
         7. Count Site Address Outside of Parcel
         8. % Site Address Outside of Parcel
      6. AERIAL IMAGERY
         1. Count Building Not Visible
         2. % Building Not Visible

## Community-Wide Building Counts for Addressable Structures

1. **Community-Wide Building Counts for Addressable Structures**
   1. File Name: << Building\_Count\_CommunityWide\_bSFHA.xls >
   2. Description: Community-wide (incorporated and unincorporated areas) building counts from the Statewide Addressing and Mapping System. This information is needed for the flood and landslide risk assessments which includes all buildings in all jurisdictions. Includes information about addressable structures by the Special Flood Hazard Area, Occupancy Classes (Residential, Commercial, Other Non-Residential), High Risk Flood Zones (Effective, Advisory, Total), and the Floodplain Building Ratio of Addressable Structures to Total Community-Wide Structures.
   3. Processing Notes: To limit the counting to primary buildings, Site Address points with a Status value of Current and Pending are included for the community-wide building count. Site Address Points with a field Status values of Non-addressable, Retired, Temporary and Other are filtered out. Counties (e.g., Hardy and Monongalia) with NULL Status values were converted to Pending status. Where possible, secondary structures (detached garages, barns, outbuildings, etc.) with addresses are removed using the additional field for Point Type.
   4. DATA FIELDS
      1. Community: CID, Community Name, County, Incorporated/Unincorporated, Region
      2. SFHA BUILDING COUNTS
         1. Address Count - SFHA
         2. Building Footprint Count - SFHA
         3. Average Count (bSF) - SFHA
         4. UDF Building Inventory (Enhanced Flood Risk Building Inventory)
      3. COMMUNITY-WIDE BUILDINGS
         1. Address Count - Total
         2. Building Footprint Count - Total
         3. Average Count (bSF) - Total
      4. OCCPANCY CLASS BREAKDOWN
         1. Residential
         2. % Residential
         3. Commercial
         4. % Commercial
         5. Other
         6. % Other
         7. Unknown
         8. % Unknown
      5. HIGH-RISK FLOOD ZONES
         1. Effective Address Count
         2. Advisory Address Count
         3. Total Address Count
      6. FLOODPLAIN BUILDING RATIO (Addressable Structures)
         1. Floodplain Structure Ratio (Community Addressable Structures / Floodplain Addressable Structures)

## Community-Wide Building Exposure for Addressable Structures

1. **Community-Wide Building Exposure for Addressable Structures**
   1. File Name: << Building\_Exposure\_CommunityWide.xls >
   2. Description: Source data from the WV Property Assessment Records (Tax Year 2021). Community-wide (incorporated and unincorporated areas) building count and replacement values. Categorized into residential, commercial, and other non-residential occupancy classes by the Land Use and Property Tax Class data fields of the WV Property Tax Assessment Database.
   3. DATA FIELDS
      1. Community: CID, Community Name, County, Incorporated/Unincorporated, Region
      2. COUNTYWIDE LAND USE CLASSIFICATION
         1. Residential Count
         2. Residential Value
         3. Residential - Single Family Count
         4. Residential - Single Family Value
         5. Residential - Mobile Home Count
         6. Residential - Mobile Home Value
         7. Commercial Count
         8. Commercial Value
         9. Other Count
         10. Other Value
         11. Unknown Count
         12. Unknown Value
      3. UNKNOWN BREAKDOWN
         1. Residential - R Count
         2. Residential - R Value
         3. Residential - A Count
         4. Residential - A Value
         5. Residential - F Count
         6. Residential - F Value
         7. Commercial - C Count
         8. Commercial - C Value
         9. Commercial - I Count
         10. Commercial - I Value
         11. Other - U Count
         12. Other - U Value
         13. Other - X Count
         14. Other - X Value
         15. Unknown - Count
         16. Unknown - Value
      4. TOTALS
         1. Residential Total
         2. Residential Percent
         3. Commercial Total
         4. Commercial Percent
         5. Other Total
         6. Other Percent
         7. Residential Value Total
         8. Residential Value Percent
         9. Commercial Value Total
         10. Commercial Value Percent
         11. Other Value Total
         12. Other Value Percent
         13. Total Count
         14. Total Value
         15. Percentage of Unknown Count

## WV Demographic Data for Population Displacement and Short-Term Shelter Need Models

1. **WV Demographic Data for Population Displacement and Short-Term Shelter Need Models**
   1. File Name: << WV\_Demographic\_Data.xls >>
   2. Description: U.S. Census demographic data that supports Population Displacement (e.g., Average Household Size) and Short-Term Sheltering (Household Income, Age) estimation models for a1% annual chance flood event.
   3. Data Source: Census Bureau’s data of American Community Survey (ACS) 5-year estimate of 2017 downloaded from "American Fact Finder" https://factfinder.census.gov/faces/nav/jsf/pages/index.xhtml
   4. Data Fields
      1. COMMUNITY IDENTIFIERS AND AREA
         1. Name\_Census: The name of the community as in census data
         2. COMMUNITY\_NAME\_1: Community name; Unincorporated areas are displayed as the county name followed by an asterisk (e.g. BARBOUR COUNTY\*)
         3. CID\_InitIncorpUnicrop\_county:
         4. COUNTY: County where the community is located
         5. CO\_FIPS: County's code
         6. ST\_FIPS: State's code
         7. COMM\_NO: Community number
         8. CID: Community code (from the GIS data)
         9. Census\_ID: Census ID
         10. GEO\_ID: Detailed Geographic ID (Census ID2)
         11. Area\_Sqmi: Area in square miles (from the GIS data)
      2. POPULATION TOTALS and AVERAGE HOUSEHOLD SIZE
         1. Population\_Total: Total population according to 2017 American Community Survey (ACS)
         2. Population\_Density: Population density (person per square mile)
         3. Households\_Total: Total number of households
         4. Average\_Household\_Size: The average household size
         5. Population\_in\_Households: Population residing in households (housing units)
      3. INCOME
         1. Income\_less\_10000: Number of households with less than $10000 income in the past 12 months (in 2017 inflation-adjusted dollars) according to 2017 American Community Survey (ACS)
         2. Income\_10000\_14999: Number of households with income between $10,000 and $14,999 in the past 12 months (in 2017 inflation-adjusted dollars) according to the above source
         3. Income\_15000\_19999: Number of households with income between $15,000 and $19,999 in the past 12 months (in 2017 inflation-adjusted dollars) according to the above source
         4. Income\_20000\_24999: Number of households with income between $20,000 and $24,999 in the past 12 months (in 2017 inflation-adjusted dollars) according to the above source
         5. Income\_25000\_29999: Number of households with income between $25,000 and $29,999 in the past 12 months (in 2017 inflation-adjusted dollars) according to the above source
         6. Income\_30000\_34999: Number of households with income between $30,000 and $34,999 in the past 12 months (in 2017 inflation-adjusted dollars) according to the above source
         7. Income\_35000\_39999: Number of households with income between $35,000 and $39,999 in the past 12 months (in 2017 inflation-adjusted dollars) according to the above source
         8. Income\_40000\_44999: Number of households with income between $40,000 and $44,999 in the past 12 months (in 2017 inflation-adjusted dollars) according to the above source
         9. Income\_45000\_49999: Number of households with income between $45,000 and $49,999 in the past 12 months (in 2017 inflation-adjusted dollars) according to the above source
         10. Income\_50000\_59999: Number of households with income between $50,000 and $59,999 in the past 12 months (in 2017 inflation-adjusted dollars) according to the above source
         11. Income\_75000\_99999: Number of households with income between $75,000 and $99,999 in the past 12 months (in 2017 inflation-adjusted dollars) according to the above source
         12. Income\_100000\_124999: Number of households with income between $100,000 and $124,999 in the past 12 months (in 2017 inflation-adjusted dollars) according to the above source
         13. Income\_125000\_149999: Number of households with income between $125,000 and $149,999 in the past 12 months (in 2017 inflation-adjusted dollars) according to the above source
         14. Income\_150000\_199999: Number of households with income between $150,000 and $199,999 in the past 12 months (in 2017 inflation-adjusted dollars) according to the above source
         15. Income\_200000\_more: Number of households with income of more than $200,000 in the past 12 months (in 2017 inflation-adjusted dollars) according to the above source
         16. PerCapita\_Income: Estimated per capita income in the past 12 months (in 2017 inflation-adjusted dollars) according to the above source
         17. Median\_Household\_Income: Estimated median household income in the past 12 months (in 2017 inflation-adjusted dollars) according to the above source
         18. Percent\_below\_State\_Median\_Income: Percentage of households with income less than $45,000 that is close to the median household income in West Virginia for 2017 ($44,061)
      4. OWNER OCCUPIED
         1. Occupied\_Res\_Units: Total number of occupied housing (residential) units (equals to total number of the households)
         2. Vacant\_Res\_Units: Total number of vacant housing (residential) units
         3. Owner\_Occupied\_Res: Number of owner-occupied housing (residential) units
         4. Renter\_Occupied\_Res: Number of renter-occupied housing (residential) units
      5. HOUSING COST
         1. Housing\_Cost\_ Less20pct\_Less20000: Number of the households with income of less than $20,000 spending less than 20% of income in the past 12 months on housing costs according to 2017 ACS
         2. Housing\_Cost\_20\_29pct\_Less20000: Number of the households with income of less than $20,000 spending 20% to 29% of income in the past 12 months on housing costs according to 2017 ACS
         3. Housing\_Cost\_30pct\_more\_Less20000: Number of the households with income of less than $20,000 spending 30% or more of income in the past 12 months on housing costs according to 2017 ACS
         4. Housing\_Cost\_Less20pct\_20000\_34999: Number of the households with income between $20,000 and $34,999 spending less than 20% of income in the past 12 months on housing costs according to 2017 ACS
         5. Housing\_Cost\_20\_29pct\_20000\_34999: Number of the households with income between $20,000 and $34,999 spending 20% to 29% of income in the past 12 months on housing costs according to 2017 ACS
         6. Housing\_Cost\_30pct\_more\_20000\_34999: Number of the households with income between $20,000 and $34,999 spending 30% or more of income in the past 12 months on housing costs according to 2017 ACS
         7. Housing\_Cost\_Less20pct\_35000\_49999: Number of the households with income between $35,000 and $49,999 spending less than 20% of income in the past 12 months on housing costs according to 2017 ACS
         8. Housing\_Cost\_20\_29pct\_35000\_49999: Number of the households with income between $35,000 and $49,999 spending 20% to 29% of income in the past 12 months on housing costs according to 2017 ACS
         9. Housing\_Cost\_30pct\_more\_35000\_49999: Number of the households with income between $35,000 and $49,999 spending 30% or more of income in the past 12 months on housing costs according to 2017 ACS
         10. Housing\_Cost\_Less20pct\_50000\_74999: Number of the households with income between $50,000 and $74,999 spending less than 20% of income in the past 12 months on housing costs according to 2017 ACS
         11. Housing\_Cost\_20\_29pct\_50000\_74999: Number of the households with income between $50,000 and $74,999 spending 20% to 29% of income in the past 12 months on housing costs according to 2017 ACS
         12. Housing\_Cost\_30pct\_more\_50000\_74999: Number of the households with income between $50,000 and $74,999 spending 30% or more of income in the past 12 months on housing costs according to 2017 ACS
         13. Housing\_Cost\_Less20pct\_75000\_more: Number of the households with income of $75,000 or more spending less than 20% of income in the past 12 months on housing costs according to 2017 ACS
         14. Housing\_Cost\_20\_29pct\_75000\_more: Number of the households with income of $75,000 or more spending 20% to 29% of income in the past 12 months on housing costs according to 2017 ACS
         15. Housing\_Cost\_30pct\_more\_75000\_more: Number of the households with income of $75,000 or more spending 30% or more of income in the past 12 months on housing costs according to 2017 ACS
         16. Percent\_Spending\_atleast\_30pct\_on\_Housing: Percentage of the population spending 30% or more of income in the past 12 months on housing costs according to 2017 ACS
      6. AGE
         1. Age\_pct\_under\_5: Percentage of the population with ages under 5
         2. Age\_pct\_5\_9: Percentage of the population with ages between 5 and 9
         3. Age\_pct\_10\_14: Percentage of the population with ages between 10 and 14
         4. Age\_pct\_15\_19: Percentage of the population with ages between 15 and 19
         5. Age\_pct\_20\_24: Percentage of the population with ages between 20 and 24
         6. Age\_pct\_25\_29: Percentage of the population with ages between 25 and 29
         7. Age\_pct\_30\_34: Percentage of the population with ages between 30 and 34
         8. Age\_pct\_35\_39: Percentage of the population with ages between 35 and 39
         9. Age\_pct\_40\_44: Percentage of the population with ages between 40 and 44
         10. Age\_pct\_45\_49: Percentage of the population with ages between 45 and 49
         11. Age\_pct\_50\_54: Percentage of the population with ages between 50 and 54
         12. Age\_pct\_55\_59: Percentage of the population with ages between 55 and 59
         13. Age\_pct\_60\_64: Percentage of the population with ages between 60 and 64
         14. Age\_pct\_65\_69: Percentage of the population with ages between 65 and 69
         15. Age\_pct\_70\_74: Percentage of the population with ages between 70 and 74
         16. Age\_pct\_75\_79: Percentage of the population with ages between 75 and 79
         17. Age\_pct\_80\_84: Percentage of the population with ages between 80 and 84
         18. Age\_pct\_85\_over: Percentage of the population with 85 or more years of age
         19. Age\_pct\_Under\_15: Percentage of the population with ages under 15
         20. Age\_pct\_15\_64: Percentage of the population with ages between 15 and 64
         21. Age\_pct\_65\_over: Percentage of the population with 65 or more years of age

## Buildings Close to Flood Source < future development >

1. **Buildings Close to Flood Source**
   1. File Name: << *under development* >>
   2. Description: Usually homes and other buildings at greatest risk from riverine flooding are those near the stream channel, where the depths and speed of the floodwaters are often the greatest.
      1. Flood Hazard Risk: Sites in a floodway or closest to a river or stream will be subject to the greatest flood depths, highest velocities, and greatest debris potential. Sites outside the floodway and far from a river or stream and closer to the landward limit of the floodplain will be subject to reduced flood hazards (e.g., shallow flood depths, lower velocities, low erosion potential, and only small debris).
      2. For riverine areas outside the floodway:
         1. Distance approach: If a home site lies within a few hundred feet of a river or stream or in floodway, it should be considered “close,” and foundations should be appropriate to sites with greater flood hazards.
         2. Floodplain width approach: If a home site lies within the third of the floodplain closest to the river or stream or floodway, it should be considered “close,” and foundations should be appropriate to sites with greater flood hazards.
      3. Criteria: Structure in floodway or within 200 feet of flood source
   3. Community: CID, Name, County, Unincorporated/Incorporated, RPDC
   4. TOTAL buildings in floodplain
   5. STRUCTURES CLOSE TO FLOOD SOURCE
      1. Structures <= 200 feet
      2. Structures in Floodway
      3. Near Structures (# Structures within 200 feet OR Floodway)
      4. % of Structures within 200 feet
      5. Near Structures (# Structures within 200 feet OR Floodway) AND Flood Depth >= 5 feet
      6. % of Near Structures >= 5 feet Flood Depth
   6. Distance categories from flood source
      1. 1-10 ft.
      2. 10-50 ft.
      3. 50-100 ft.
      4. 100-200 ft. (close is within 200 ft.)
      5. 200-300 ft.
      6. 300-500 ft.
      7. 500-1000 ft.
      8. > 1000 ft