

# Manville Acquisition Action Plan



July 11, 2018

## 2015 FEMA Flood Mitigation Assistance Planning Grant

- The Borough of Manville applied for an FMA Planning Grant in 2015 and received funding totaling \$33,000.
- FMA Grant purpose – to implement cost-effective measures that reduce or eliminate the long-term risk of flood damage to buildings and other structures insured under the National Flood Insurance Program (NFIP).
- Purpose of the Borough's FMA Planning Grant – to provide a third party unbiased evaluation of structures in the floodprone areas of the Borough suitable for acquisition & develop a prioritized mitigation strategy.

## Working Committee Formed

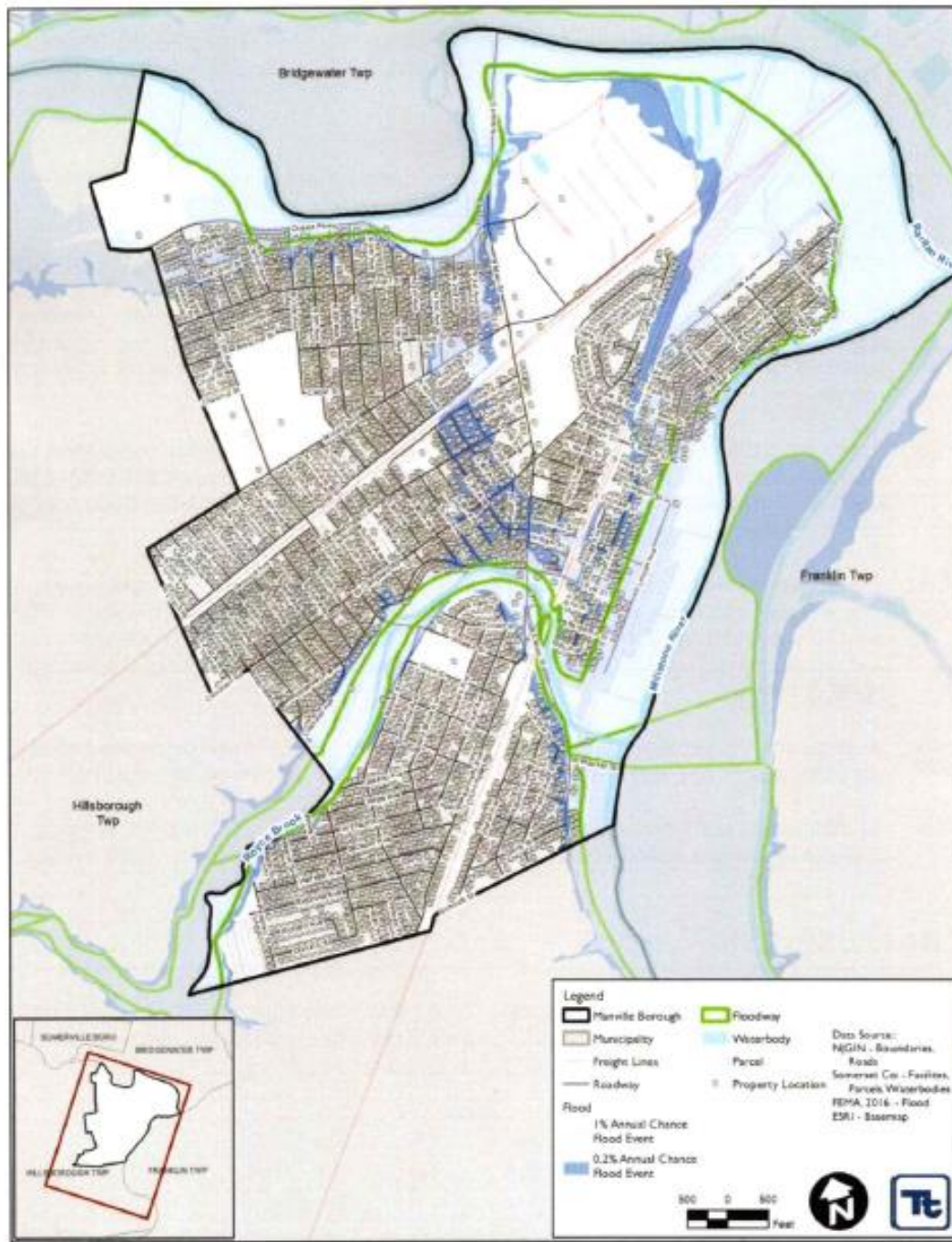
- A committee of municipal officials was formed to work with the selected consultant, Tetra Tech Inc., to assist with the prioritization process.
- The committee members identified ranking criteria to provide a systematic approach to select properties for acquisition when funding becomes available.



# Detailed Spatial Inventory

- Step One – determine the area of focus and a detailed inventory of structures.
- Tetra Tech mapped all structures in the 2016 effective 1-percent annual chance floodplain.

Figure 2. Borough of Manville Properties



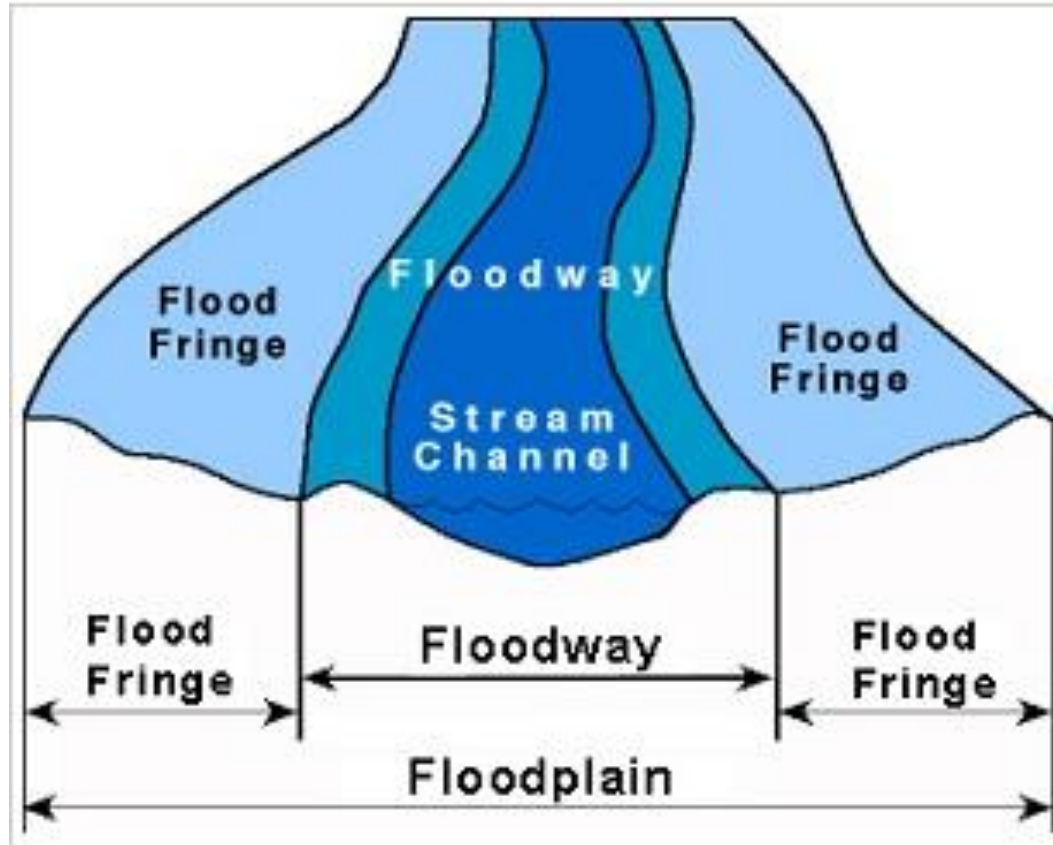
# Criteria Identified and Scoring

- Committee members met several times to identify prioritization criteria.
- The criteria that were identified were selected to help with the identification of the highest at-risk flood-prone properties.
- Bank – owned and abandoned properties were excluded from the analysis.
- Numeric scores were assigned to each ranking criteria.

# Key Definitions

- **Flood Insurance Rate Map (FIRM)** - An official map of a community, on which the FEMA has delineated both the Special Flood Hazard Areas and the risk premium zones applicable to the community.
- **Repetitive Loss Structure (RL)** - An NFIP-insured structure that has had at least 2 paid flood losses of more than \$1,000 each in any 10-year period since 1978.
- **Severe Repetitive Loss Property (SRL)** - Has incurred flood damage for which:
  - a. 4 or more separate claim payments have been made under a Standard Flood Insurance Policy issued pursuant to this title, with the amount of each such claim exceeding \$5,000, and with the cumulative amount of such claims payments exceeding \$20,000; or
  - b. At least 2 separate claims payments have been made under a Standard Flood Insurance Policy, with the cumulative amount of such claim payments exceed the fair market value of the insured building on the day before each loss.

# Floodway/Floodplain





# Definitions continued

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**Flood fringe:** The portion of the floodplain lying outside of the floodway



**Floodplain:** Any land area susceptible to being inundated by flood waters from any source.



**Floodway:** The channel of a river or other watercourse and that portion of the adjacent floodplain that must remain open to permit passage of the base flood without cumulatively increasing the water surface elevation more than a designated height (usually one foot).

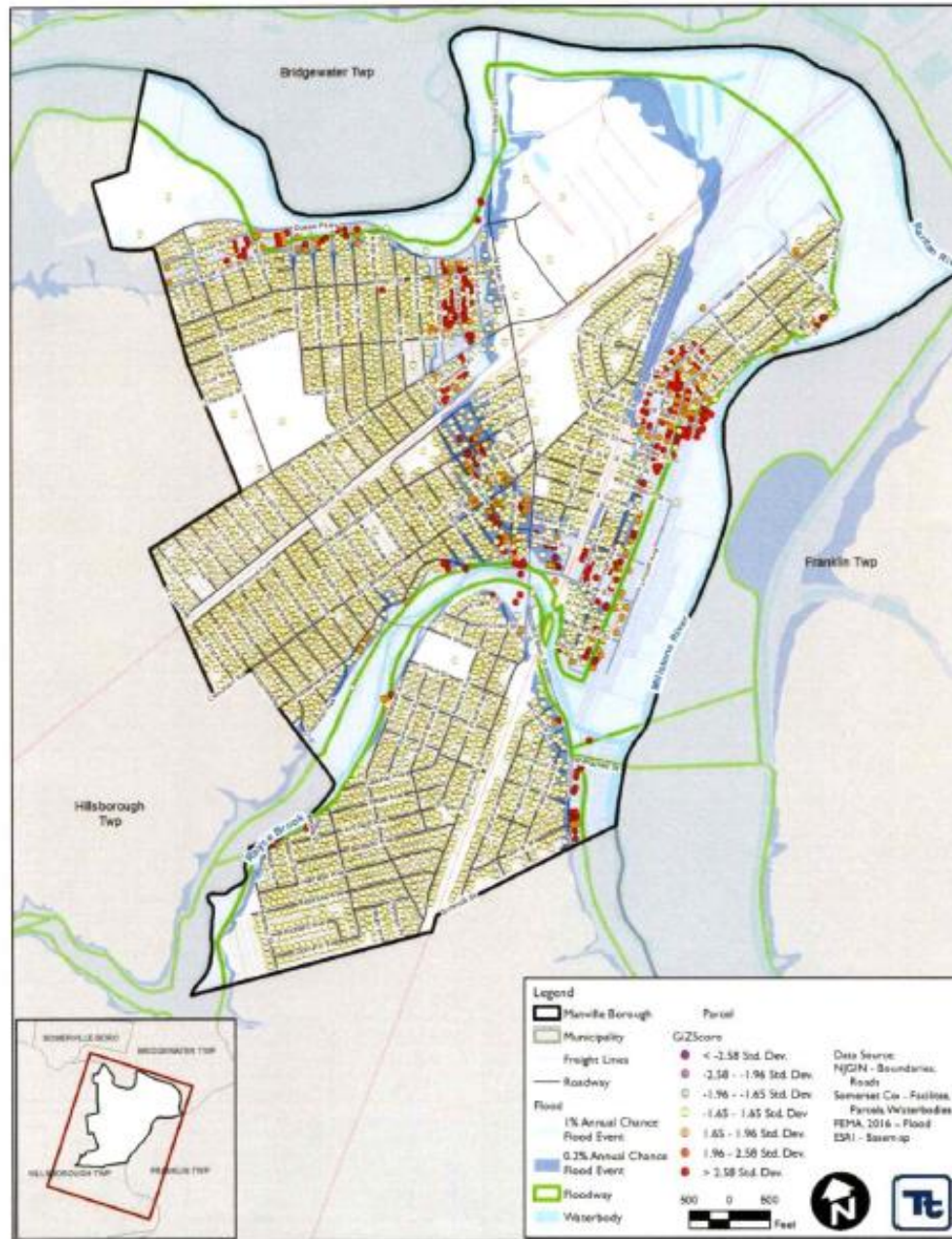
# Ranking & Criteria Scores

*Table 1. Ranking Criteria and Scores*

Ranking Criteria	Score
Is the property located in the 2016 FEMA Flood Insurance Rate Map-defined floodway?	Yes - 1 No - 0
Is the property located in the 2016 FEMA Flood Insurance Rate Map-defined floodplain?	In 100 year zone - 2 In 500 year zone - 1 Out of floodplain - 0
Most current National Flood Insurance Program Status	Severe Repetitive Loss property - 3 Repetitive Loss property - 2 Claims on policy - 1 Policy holder with no claims - 0
Contiguous to Open Space	Contiguous to Open Space - 1
Adjacent to Abandoned Structure	Adjacent to Abandoned Structure - 1
Flood Insurance (based on 2015 NFIP policy data)	Insured property - 1 Non-insured property - 0
Length of Ownership	Home purchased before September 2011 - 1 Home purchased after September 2011 - 0
Cumulative NFIP Claim Totals	Cumulative NFIP claim total is greater than 200% of market value - 3 Cumulative NFIP claim total is between 100%-199% of market value - 2 Cumulative NFIP claim total is between 50%-99% of market value - 1

## Hot Spot Analysis

- The total score of each property was used to conduct a spatial analysis.
- Statistically significant clusters or “hot spots” were identified.
- The hot spot analysis map was created by Tetra Tech utilizing this spatial analysis data.



# Priority Clusters Identified

*Exhibit A. Borough of Manville Prioritized Action Plan*

Acquisition Opportunity	Cluster Name	Number of Properties	Number of Properties with NFIP Policies	Number of RL Properties	Number of SRL Properties	Total Rank
1	Lost Valley Floodway	45	15	33	4	271
2	North Second	38	15	26	5	192
3	Pope, Kyle, View	49	30	31	3	257
4	Dukes Floodway, First, Third	52	29	24	1	235
5	Lost Valley, Huff, Bridge, North	36	12	28	5	195
6	Lost Valley, Boesel Floodway	47	12	34	2	223
7	Lost Valley, Boesel, View, Bridge	41	25	22	3	189
8	St. John, Gress	58	37	6	0	168

# Conclusion

- Use of Acquisition Plan going forward:
  - The Borough will continue to apply for FEMA Hazard Mitigation Assistance funding.
  - Prioritize & provide flood-prone property owners in the Borough with an option to have their home acquired in order to eliminate future flood risk.

# Voluntary Interest Forms

- Complete Voluntary Interest form attached if interested in a future acquisition opportunity.



Wabeeja  
Medawage  
Mersi  
unalchéesh  
Tingki  
Komapsumnida  
Shukuria  
Paldies  
Hatir  
Tashakkur  
Maketai  
hul  
Sanco  
bolzin  
Maake  
Denkauja  
Agyeje  
Spasibo  
gozaimashita  
Fakaau  
Spasibo  
Ekhmet  
Mehrbani  
Nemachalhya  
Baika Yuspagarátam  
Minmonchar Atto  
Gaejtho  
Yaqhanyelay  
Efcharisto  
Dankscheen  
YOU  
Merci  
Maitoka  
ekoja  
Tavtapuch  
suksama  
Sikomo  
Gracias  
Shukria  
lah  
Merastawhy  
Dhanyabaad  
Chalita  
Biyangrazie  
nahun  
Snachallhaya  
Juspaxar