

Town of Shandaken - Flood Mitigation Plan ESTIMATED POPULATION VULNERABLE TO THE 1% AND 0.2% FLOOD EVENTS

Zip Code	Total Population (U.S. Census 2010)	Population in 1% Hazard Area	Percent Population	Population in 0.2% Hazard Area	Percent Population
Big Indian	457	69	15.1	69	15.1
Chichester	345	8	2.3	8	2.3
Mt Tremper	478	41	8.6	98	20.5
Phoenicia	1,021	140	13.7	163	16.0
Pine Hill	242	4	1.7	4	1.7
Shandaken	542	62	11.4	73	13.5
Town of Shandaken	3,085	324	10.5	415	13.5

T

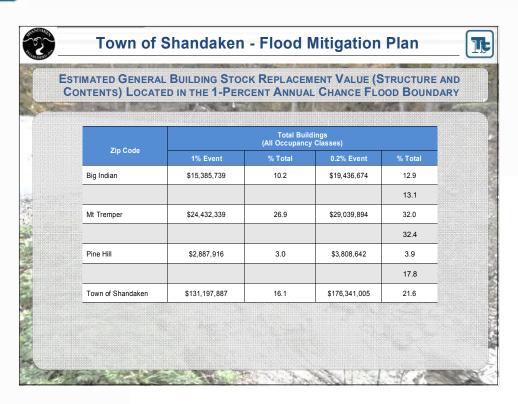
Source: Census, 2010

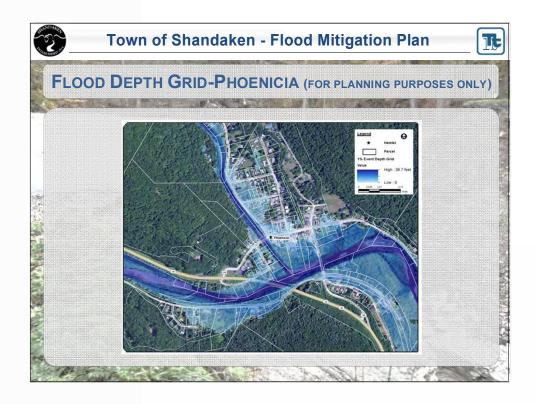
Note: Census Block 361119553001065, located entirely in the Town of Shandaken, has two zip codes: Phoenicia and Boiceville. For the purposes of this analysis, the entire block is considered within the Phoenicia zip code.

Town of Shandaken - Flood Mitigation Plan T AREA LOCATED IN THE 1-PERCENT AND 0.2-PERCENT ANNUAL CHANCE FLOOD **BOUNDARIES** Area Exposed Big Indian 42.7 0.72 1.7 0.84 2.0 Chichester 4.9 0.18 3.7 0.23 4.7 Mt Tremper 4.2 22.4 1.02 24.3 Phoenicia 1.41 2.7 1.64 Pine Hill 0.03 0.04 1.5 Shandaken 13.8 0.48 3.5 0.58 4.2 Town of Shandaken 3.2 4.35 118.9 3.76 3.7

Source: Tetra Tech, 2012 Note: sq.mi. = Square miles; % = Percent











Town of Shandaken - Flood Mitigation Plan



CAPABILITY ASSESSMENTS

 What resources do we have at our disposal to Mitigate Risk?

"Proposed mitigation actions will be evaluated against the backdrop of what is feasible in terms of your government's legal, administrative, fiscal and technical capacities" (FEMA 386-3)

 Serve to identify legal authority and administrative, technical and fiscal capabilities in the state, county and jurisdictions that will facilitate or hinder hazard mitigation goals and objectives.



Town of Shandaken - Flood Mitigation Plan



IDENTIFICATION AND ANALYSIS OF MITIGATION ACTIONS

- Mitigation actions need to be realistic, achievable and action-oriented.
- Will include both regional actions, as well as jurisdictionspecific.
- Will address both public and private property.
- For each proposed mitigation strategy, the following will be identified:
 - Implementation timeline
 - Estimated cost
 - Estimated benefits (avoided losses)
 - Potential funding sources
 - Lead agency or department
 - Supporting agencies



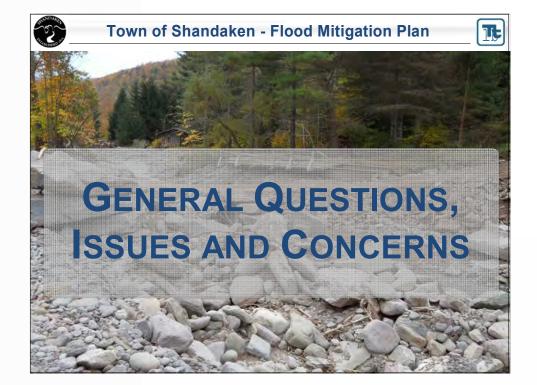


Town of Shandaken - Flood Mitigation Plan



MITIGATION ACTIONS? LIKE WHAT?

- Prevention. Measures such as planning and zoning, open space preservation, land development regulations, building codes, storm water management.
- Property Protection. Measures such as acquisition, relocation, storm shutters, rebuilding, barriers, floodproofing, insurance, and structural retrofits for high winds.
- Public Education and Awareness. Measures such as outreach projects, real
 estate disclosure, hazard information centers, technical assistance.
- Natural Resource Protection. Measures such as erosion and sediment control, stream corridor protection, vegetative management, and wetlands preservation.
- Emergency Services. Measures such as hazard threat recognition, hazard warning systems, emergency response, protection of critical facilities, and health and safety maintenance.
- Structural Projects. Measures such as dams, levees, seawalls, bulkheads, retaining walls, channel modifications, storm sewers, and retrofitted buildings and elevated roadways.





How Does CRS Work? Has Application Pre-Requisites Must be in NFIP Compliance Elevation Certificates Address Repetitive Loss Properties Community activities are scored Performance of activities is verified Classification assigned (1 - 10) Sw reduction of insurance per class







Town of Shandaken - Flood Mitigation Plan



OTHER PLANNING TASKS

- Public Participation
 - Notices on planning effort
 - FMP Webpage detailing effort, providing downloadable drafts of the plan, and providing a way for public input (local contact information and email link)
 - Public presentations and meetings
 - Public access to draft and final plan documents (incl. libraries, town halls)
 - Questionnaire (on-line and/or hard copy)
- Documentation of the Planning Process
- Plan implementation and maintenance procedures
- Adoption by local government



Town of Shandaken - Flood Mitigation Plan



PLAN IMPLEMENTATION

- Your mitigation strategy section provides a "blueprint" to follow for progressively reducing your community's natural hazard risk.
- It will includes two type of initiatives/projects those that your community can "self fund", and those that will require outside (e.g. grant) funding.
- Mitigation grant opportunities open regularly:
 - The annual HMA grant window opens in June of each year.
 - HMGP funding comes in the wake of Declared Disasters in the State.
 - EWP grants
 - Watershed grants