

Name: _____

Municipality: _____

FLOOD SOLUTIONS WORKSHEET

As you listen to and participate in discussions of alternative techniques for reducing flood damages, record your ideas and thoughts on this worksheet. Check those ideas that might work in your community. Specify the geographic areas for applying these solutions.

Alternative Flood Damage Reduction Techniques

PUBLIC INFORMATION

Information About Flood Insurance Rate Maps

- _____ Post floodplain maps in municipal buildings
- _____ Map determinations (flood zone for a particular property or structure)
- _____ Provide information about additional locations with known flood problems (riverine flooding, shallow water table, bank erosion, etc.)
- _____ Other: _____

Flood Information Outreach Projects

- _____ Newsletter article in _____
- _____ Enclosure in utility bills _____
- _____ Direct mailing to _____
- _____ Special outreach project _____
- _____ Other: _____

Real Estate Disclosure

- _____ Education of potential property buyers
- _____ Education of real estate agents
- _____ Mandatory disclosure of flood history by real estate agents
- _____ Other: _____

Provide References to Public Library

- _____ Current Flood Insurance Rate Maps
- _____ Flood insurance information
- _____ Information about protecting buildings from flooding
- _____ Documents on community floodplain management and flood hazard mitigation
- _____ Information about the natural and beneficial functions of floodplains
- _____ Local accounts of past flood events
- _____ Directory of sources for additional information on these topics
- _____ Other: _____

Provide Technical Assistance

- _____ Site-specific information about historic flood events
- _____ Names of contractors and consultants knowledgeable or experienced in retrofitting techniques and construction
- _____ Material on how to select a qualified contractor and what recourse people have if they are dissatisfied with a contractor’s performance
- _____ Site visits to review flooding, drainage, and sewer problems or provide advice on contemplated development
- _____ Advice and assistance on retrofitting techniques
- _____ Other: _____

Environmental Education

- _____ Education programs for children
- _____ Education programs for adults
- _____ Other: _____

PREVENTIVE ACTIVITIES

Floodplain Regulations

- _____ Training for local officials (Code Enforcement Officer, Planning Board, etc.)
- _____ Adopt updated NYS Model Law
- _____ Revise law to require building elevation 2 feet above base flood elevation
- _____ Revise law to include additional flood-prone areas
- _____ Update Flood Insurance Rate Maps (restudy, amend, or revise)
- _____ Require that all new buildings in and out of the designated floodplain be elevated above historic high water levels
- _____ Other: _____

Conventional Zoning

- _____ Low-density zoning
- _____ Depth restrictions for basements at _____
- _____ Standards for private bridges
- _____ Standards for driveways and driveway culverts
- _____ Maximum lot coverage for impervious surfaces
- _____ Other: _____

Subdivision Regulations

- _____ Require that each lot include a safe building site at an elevation above selected flood heights (either by a lot layout that enables out-of-the-floodplain construction or by filling a portion of each lot)
- _____ Require placement of streets above selected flood protection elevations
- _____ Require placement of public utilities above selected flood protection elevations
- _____ Prohibit encroachment of floodway
- _____ Require that flood hazard areas be shown on plat
- _____ Require adequate drainage facilities
- _____ Other: _____

Cluster Development

- Cluster development provisions
 - in zoning ordinance
 - in subdivision ordinance
 - as a separate ordinance
- Other: _____

Open Space Preservation

- Stream setback requirement
- Lake shore setback requirement
- Vegetated buffer strips along _____
- Conservation District or other restrictive development regulations _____
- Agricultural districts
- Parks, preserves, or recreation areas _____
- Transferable development rights
- Land use easements _____
- Apply floodway development standards to wider area along _____
- Other: _____

Stormwater Management

- Stormwater management plan for _____ watershed(s)
- Stormwater management regulations
 - in zoning ordinance
 - in subdivision ordinance
 - as a separate ordinance
- Stormwater management regulations for timber harvesting
- Education and technical assistance
- Design and construction of regional stormwater management facilities
 - to address existing problems at _____
 - in anticipation of future development at _____
- Inspection and maintenance of stormwater management facilities
- Other: _____

Drainage System Maintenance

- Line item in budget for drainage system maintenance
- Debris removal when problems occur
- Routine inspection and removal of debris _____ times per year
- Written drainage system maintenance plan (specifying maintenance needs and responsibilities)
- Establish a drainage district
- Channel/bank stabilization on _____
- Debris basin(s) on _____
- Other: _____

NATURAL RESOURCE PROTECTION

Wetlands

- _____ Protect existing wetlands at _____
- _____ Enlarge existing wetlands at _____
- _____ Create new wetlands at _____
- _____ Other: _____

Erosion and Sediment Control

- _____ Channel/bank stabilization of _____
- _____ Erosion and sediment control at new development
 - _____ through regulation
 - _____ through education and technical assistance
- _____ Other: _____

Best Management Practices

- _____ Agriculture
 - _____ education and technical assistance
 - _____ financial incentives
- _____ Timber harvesting
 - _____ regulations
 - _____ education and technical assistance
- _____ Other: _____

PROPERTY PROTECTION

Relocation

- _____ Relocation of building(s) from _____
- _____ Other: _____

Acquisition

- _____ Acquisition of undeveloped flood-prone property at _____
- _____ Acquisition and demolition of buildings at _____
- _____ Acquisition of development rights or easements at _____
- _____ Other: _____

Building Elevation

- _____ Elevate existing building(s) at _____
- _____ Other: _____

Floodproofing of Buildings and Sewer Backup Protection

- _____ Distribute information about floodproofing techniques
- _____ Technical assistance
- _____ Financial assistance _____
- _____ Other: _____

Infrastructure Protection

- _____ Design standards for new or replaced bridges and culverts
- _____ Mitigation of existing problems at _____
- _____ Debris removal when problems occur
- _____ Routine inspection and maintenance
- _____ Other: _____

Insurance

- _____ Education of property owners
- _____ Education of insurance agents, mortgage lenders, and real estate agents
- _____ Community Rating System (to reduce insurance premiums)
- _____ Other: _____

STRUCTURAL PROJECTS

Reservoirs

- _____ New water retention structures in _____ watershed
- _____ Identify and maintain existing ponds and retention structures
- _____ Other: _____

Levees and Floodwalls

- _____ New levee along _____
- _____ Increased protection of existing levee along _____
- _____ Maintain existing dike system
- _____ Other: _____

Diversions

- _____ High flow diversion channel at _____
- _____ Other: _____

Channel Modifications

- _____ Removal of sand bars or islands from _____
- _____ Straightening, widening, or deepening of _____
- _____ Channel paving of _____
- _____ Other: _____

Storm Sewers

- _____ Storm sewer installation at _____
- _____ Increased storm sewer capacity at _____
- _____ Inspection and maintenance of existing storm sewer at _____
- _____ Other: _____

EMERGENCY SERVICES

Flood Warning

- _____ Rain gauges
 - _____ Automated gauges at _____
 - _____ Volunteer reporting _____
- _____ Stream/river/lake level gauges
 - _____ Automated gauges at _____
 - _____ Staff gauges at _____
 - _____ Historic information for _____
 - _____ Stage relation information for _____
- _____ Local flood forecast center (operated by Environmental Emergency Services)
- _____ Other: _____

Flood Response

- _____ Flood stage forecast maps for _____
- _____ Emergency plan for municipality (command structure, communication procedures, emergency flood proofing measures, evacuation procedures, etc.)
- _____ Other: _____

Critical Facilities Protection

- _____ Protection or relocation of critical facilities (sites with toxic materials, medical facilities, emergency operation centers, utilities) _____
- _____ Emergency plan for critical facilities _____
- _____ Other: _____