

Goal: To make Chemung County more resistant to flood damage.																						
Actions	Action Narrative	Lead	Support	Ashland / Wellsburg	Baldwin	Big Flats	Catlin	Chemung	Elmira	Erin	Horseheads	Southport	Van Etten / V/Van Etten	Veteran/Millport	V/Elmira Heights	V/Horseheads	C/Elmira	Chemung County	Time Frame	Funding	Cost Estimate	
Flood-1	Continue mitigation efforts in area streams. Projects include streambank stabilization, detention basin creation, gravel/debris removal after TS Lee and April storms. SEE ATTACHED SPREADSHEET FROM SOIL AND WATER FLOOD ASSESSMENT REPORT FOR IDENTIFIED PROJECTS ON PRIVATE PROPERTIES, MANY RESULTING FROM TS LEE. THE MUNICIPALITY FOR THE PROJECT LOCATIONS ARE MARKED WITH AN X. ADDITIONAL MUNICIPAL PROJECTS ARE LISTED ON CHART.	Municipalities	Soil and Water, EMO, State and Federal Agencies	1. Removal of gravel in Bentley Creek deposited by 2011 storms. If PL-566 is approved, will incorporate debris removal and maintenance. But must remove gravel now before next high water, estimated cost, \$500K-\$1 Mill 2. Ashland Town line to first bridge on Maple Ave. 3. Maple Ave bridge to Chemung River	X	Stabilization Projects 1. Upson Rd 2. Owen Hollow 3. Monastery Rd 4. Sing Sing Rd 5. Upper Hoffman Brk Also, detention basin project at Jackson Farm	1. Post Creek from Schuyler line to Steuben line 2. Backer Rd Rt 414 upstream 2000'	1. Mallory Rd, Wymcoop Crk Rd to first bridge 2. Mallory Rd, first bridge to second bridge.	1. Upper Larchmont Detention Basin reclassification to high haz, new spillway project 2. Stabilization on Goldsmith and Baldwin Crks 3. Goldsmith Crk Draht Hill bridge to Jerusalem Hill Rd	1. Diversion swale to protect Fire Dept. 2. T/Erin line to Rt 223 bridge in Erin Hamlet 3. Erin Hamlet upstream to first bridge	1. Bannister Rd culvert project 2. Vargo Rd creek stabilization 3. Bowman Hill Terrace stream stabilization 4. Crane Rd stabilization project 5. Rt 13 upstream to East Franklin St 6. East Franklin St to Orminston Rd 7. Orminston Rd to T/Erin line	1. Wetland creation projects, at least 2 projects on private properties 2. Pa border to first bridge at Rt 328 3. Rt 328 bridge to Penn Ave bridge 4. Penn Ave bridge to Rt 14 bridge 5. Rt 14 bridge to T/Ashland line	X	X					X	18 mo	PRIVATE, FEMA, DEC, SOIL-WAT DIST, MUNI, CTY	\$2 MILL
Flood-2	Towns will identify residents in special hazard areas, residents near streams and creeks, and residents who will themselves, or will hire out, logging of property, and will deliver / make available educational materials listing BMPs for the particular issue. Several educational brochures exist, created by STC, Soil and Water, EES, as well as State and Federal publications.	Municipalities	STC Regional Planning, Soil and Water Conservation, EMO, EES, Stormwater Coalition, Cornell Coop																ON GOING	CTY MUNI SOIL-WAT DIST	\$15K	
Flood-3a	Create public education programs, in cooperation with local organizations, regarding yard waste and debris in and near streams and drainageways, including clearing storm drains to prevent urban flooding. Municipalities will help distribute and promote programs and continue spring and fall debris pick up programs.	Municipalities	STC, Storm Water Coalition, Soil and Water Conservation, EES, EMO, Cornell Coop.																ON GOING	CTY, MUNI, SOIL-WAT DIST, PRIVATE	\$10K	
Flood-3b	Create and pass prevention legislation for urban and rural residents regarding yard waste and debris in and near streams and drainageways, using Elmira and Horseheads Local Laws as guidance for other municipalities	Municipalities	Soil and Water Conservation, Storm Water Coalition, STC, EES, Cornell Coop.																18 MO	SOIL-WAT DIST, MUNI, CTY	\$3K	
Flood-4	Secure Mitigation Grant funding to buy out properties in flood plains damaged during Lee and April Storms. Homes pose repetitive loss problems. Will also consider elevating or modifying properties when cost efficient.	Soil and Water Conservation/Chemung County Legislature/Municipalities	Highway, State and Federal Agencies	X		X		X	X	X		X	X						1 YR	FEMA	\$400K	
Flood-7 Replaced by Flood 20	Create legislation that will promote "best practices" and provide an on-going funding stream for mitigation projects	County and Municipal government	Soil and Water Conservation, EMO, STC																			
Flood-8	Use GIS database and LIDAR database to further map locations of critical infrastructure to determine if protective measures may be needed.	County GIS Committee, EMO, Soil and Water Conservation	Municipalities, New York State																ON GOING	CTY, MUNI, SOIL-WAT DIST, PRIVATE	\$10K/YR	
Flood-9	Provide technical assistance through the Storm Water Coalition for more effective municipal legislation regarding land use, zoning laws, storm water management, etc.	STC County and Municipal Governments;	NYS	MS4		MS4			MS4		MS4	MS4		MS4	MS4	MS4	MS4		ON GOING	CTY, MUNI	\$300K/YR	

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Flood-10	Complete various construction and maintenance projects and create a schedule for ongoing maintenance of completed projects.	Highway Supervisors in all municipalities with guidance from Soil and Water Conserv Dist	Municipal Governments, NYS and Federal Governments	1. Robinson Rd- install larger capacity box culvert, remove current smaller metal pipe 2. Install rip-rap in several areas to armor banks, both Tyler Run and Bentley Creek					1. Storm water system upgrade on Coleman Ave, to prevent flooding, joint project with Chemung County. 2. Joint project with C/Elmira to complete flood control project, Fassett Rd and Hoffman St, study is complete.									1. Storm Drain improvements to lower Hoffman St @ Gray St to prevent flooding of Hoffman St businesses. Study has been completed. 2. Joint project with T/Elmira to complete flood control project, Fassett Rd and Hoffman St, study is complete.	5 YRS	MUNI, IF ST/FED GRANTS AVAIL	\$3MILL
Flood-11a	Upgrade all dirt roads to at least oil and stone and install proper drainage structures to prevent future flood damage.	Highway Supervisors in effected municipalities	Municipal Governments; NYS and Federal Governments		X		X	X		X									ON GOING OVER 5 YRS	MUNI IF ST/FED \$ AVAIL, POSS LOCAL RDS FUNDING	\$15K/MILE
Flood-11b (NEW)	Upgrade Dann Blvd to at least oil and stone and install proper drainage structures to prevent future flood damage and ensure Fire/Police/EMS direct route to residents during emergency response will not be blocked, causing lengthy detour.	T/Veteran	Shared Services with municipal highway depts., State and Federal.											Must secure add'l funding source, possibly mitigation grant funding. Possible some work to be done with shared services from local munic agreem					1 YR	MIT GRANT APP SUBMITTED	\$257,500
Flood-12	Assist the Wellsburg Volunteer Fire Department in finding a new location.	Wellsburg Volunteer Fire Dept., Village of Wellsburg, T/Ashland	County Fire Coordinator	Town and Village working cooperatively to secure grant funding and purchase land. Have land identified and plan for fill to ensure facility has 2 ft freeboard.															1 YR	FEMA P-A MUNI	\$3MILL
Flood-13	Investigate funding sources to complete proposed drainage control projects in the Village of Elmira Heights, and investigate possible alternatives or improvements to current system, such as installing an automated system for existing manual pumps	V/Elmira Hts.	County or State by request												X				5YR	GRANT WHEN AVAIL	\$1MILL+
Flood-14 (NEW)	Promote the use of floodproofing techniques for retrofitting existing flood-prone development by distributing educational materials. Code Enf/Fldpln Admins have taken a continuing education course, and have educational packets created by Chemung County and STC with Mitigation Grant funds.	All municipalities	Town of Horseheads, Town of Southport, STC, EMO, NYS	Floodproofing info packets were distributed to residents after TS Lee, and presentation made at Village mtg for residents							Code Enf Officer attended week long course at EMI and was a creator/instructor of the local course.	Code Enf Officer attended week long course at EMI and was a creator/instructor of the local course.							5YR	STC, MUNI, GRANT IF AVAIL	\$5K/YR
Flood-15 (NEW)	Municipalities will work with STC, EMO and other agencies to improve CRS credits and increase CRS ratings to provide residents with better rates for NFIP.	STC, County and Municipal Governments	Chemung County EMO and Planning, EES, NYS								Code Enf Officer took E-278- NFIP/CRS course at NYS Fire Academy							Code Enf Officer took E-278- NFIP/CRS course at NYS Fire Academy	ON GOING	CTY, STC, MUNI	\$5K/YR
Flood-16 (NEW)	Produce a public education campaign focusing on Green Infrastructure options for new and redevelopment projects and IDDE BMPs for businesses through a grant from the Water Quality Improvement Program.	Municipalities through their Stormwater Coalition members	Stormwater Team, CC Soil and Water, CC PIO																3YR	STORM WATER COL, CTY, MUNI	\$5K/YR
Flood-17 (NEW)	Implement Flood / Emergency Evacuation Routes (Haz Mat, RR included). All but City of Elmira need study and planning.	Chemung County Transport. Council w/ Municipalities	State															Study is complete and plan is on paper, but need funding to implement.	5YR	CTY, MUNI, GRANT THRU ETCT	City \$10K CTY \$50K
Flood 18 (new)	Reline storm water sewer in Village of Horseheads, running from HHDS FD to New Town Creek	Village of HHDS	Soil and Water													X			5YR	ST/FED, VILL	\$750K
Flood 19 (new)	Continue maintenance agreement with money being allocated by the municipalities for the old Chemung Canal project.	Chemung County, T/HHDS, T & C/Elmira, V/Elm Hts							X		X				X		X		5YR	CTY, T-HHDS, T-ELM, C-ELM, V-ELM HTS	\$12.5K/YR
Flood 20 (new)	All municipalities and Chemung County investigating possibility of an intermunicipal agreement to allocate funds totaling \$300,000/yr for MS4 and Storm Water program	All Municipalities	Soil and Water and Storm Water Coalition																COMPLETE	CTY, MUNI	\$300K/YR
Flood 21 (new)	Purchase equipment for streambank stabilization projects, used by Soil-Wat Dist.	SOIL AND WATER	CTY AND MUNICIPALITIES																COMPLETE	CTY, MUNI	\$407K CTY INITIAL PURCH, \$60.3K MUNI EACH YR FOR NX 5 YRS
GOAL: To prevent injury and loss of lives and reduce damage to infrastructure as a result of Severe Summer and Winter Storms.																					

