

VOLUME I

	<u>Page</u>
SECTION 1 INTRODUCTION	1-1
Background.....	1-1
DMA 2000 Origins -The Robert T Stafford Disaster Relief and Emergency Assistance Act.....	1-1
Organizations Involved in the Mitigation Planning Effort.....	1-2
Multiple Agency Support for Hazard Mitigation	1-2
Implementation of the Planning Process.....	1-6
Benefits of Mitigation Planning	1-7
Organization of this Mitigation Plan	1-7
SECTION 2 PLAN ADOPTION	2-1
Overview.....	2-1
Plan Adoption by Local Governing Bodies.....	2-1
SECTION 3 PLANNING PROCESS.....	3-1
Introduction.....	3-1
Planning Committee and Other Stakeholder Support	3-3
Steering Committee and Planning Committee Involvement and Efforts	3-3
Participation Matrix.....	3-9
Stakeholders Involved in Mitigation Planning.....	3-12
Coordination with Existing Planning Efforts and Programs.....	3-15
Hazard Mitigation Grant Program.....	3-15
National Flood Insurance Program.....	3-15
Community Rating System (CRS)	3-16
Integration of Existing Data and Plans Into Mitigation Plan	3-17
Local Data	3-17
Federal and State Data.....	3-17
Review of Existing Reports and Plans.....	3-18
Continued Public Involvement	3-20
SECTION 4 COUNTY PROFILE	4-1
General Information.....	4-1
Physical Setting.....	4-1
Population and Demographics	4-8
General Building Stock.....	4-25
Land Use and Population Trends.....	4-42
Land Use Trends	4-42
Economy	4-43
Population Trends	4-46
Future Growth and Development.....	4-47
Critical Facilities.....	4-49
Essential Facilities.....	4-49
Transportation Systems	4-55
Lifeline Utility Systems.....	4-58
High-Potential Loss Facilities	4-61
Other Facilities	4-56

SECTION 5	RISK ASSESSMENT	5-1
5.1	Methodology and Tools.....	5.1-1
	Methodology	5.1-2
	Tools.....	5.1-3
5.2	Identification of Natural Hazards of Concern	5.2-1
5.3	Hazard Ranking.....	5.3-1
	Hazard Ranking Methodology	5.3-2
	Probability of Occurrence	5.3-3
	Impact	5.3-4
	Risk Ranking Value	5.3-5
	Hazard Ranking Results.....	5.3-6
5.4	Hazards Profiles and Vulnerability Assessment.....	5.4-1
	5.4.1 Flood.....	5.4.1-1
	5.4.2 Severe Storm	5.4.2-1
	5.4.3 Severe Winter Storm	5.4.3-1
	5.4.4 Ground Failure.....	5.4.4-1
	5.4.5 Earthquake.....	5.4.5-1
SECTION 6	MITIGATION STRATEGIES	6-1
	Background and Past Accomplishments.....	6-1
	General Mitigation Planning Approach.....	6-4
	Guiding Principle, Mitigation Goals and Objectives	6-4
	Capability Assessment	6-7
	Identification, Prioritization, Analysis and Implementation of Mitigation Actions..	6-7
SECTION 7	PLAN MAINTENANCE PROCEDURES	7-1
	Monitoring, Evaluating and Updating the Plan	7-1
	Monitoring.....	7-3
	Evaluating.....	7-3
	Updating.....	7-5
	Implementation of Mitigation Plan Through Existing Programs.....	7-7
	Continued Public Involvement	7-9
	ACRONYMS AND ABBREVIATIONS.....	A-1
	GLOSSARY.....	G-1
	REFERENCES.....	R-1

VOLUME II

	<u>Page</u>
SECTION 8 PLANNING PARTNERSHIP.....	8-1
Background.....	8-1
The Planning Partnership.....	8-1
Initial Solicitation and Letters of Intent.....	8-1
Planning Partner Expectations.....	8-2
Jurisdiction Annex Templates	8-2
Workshop	8-2
Benefit/Cost Review.....	8-3
Completion of the Planning Process	8-3
 SECTION 9 JURISDICTIONAL ANNEXES.....	 9-1
9.1 Greene County	9.1-1
9.2 Town of Ashland	9.2-1
9.3 Town of Athens	9.3-1
9.4 Village of Athens	9.4-1
9.5 Town of Cairo.....	9.5-1
9.6 Town of Catskill	9.6-1
9.7 Village of Catskill.....	9.7-1
9.8 Town of Coxsackie	9.8-1
9.9 Village of Coxsackie.....	9.9-1
9.10 Town of Durham.....	9.10-1
9.11 Town of Greenville.....	9.11-1
9.12 Town of Halcott.....	9.12-1
9.13 Town of Hunter.....	9.13-1
9.14 Village of Hunter	9.14-1
9.15 Town of Jewett.....	9.15-1
9.16 Town of Lexington	9.16-1
9.17 Town of New Baltimore	9.17-1
9.18 Town of Prattsville.....	9.18-1
9.19 Village of Tannersville	9.19-1
9.20 Town of Windham.....	9.20-1
9.21 Sleepy Hollow Lake.....	9.21-1

APPENDICES

- A Applicable Federal and State Regulations
- B Plan Adoption
- C Public and Stakeholder Outreach
- D Mitigation Catalog
- E Federal and State Mitigation Resources
- F Jurisdictional Annex Instructions and Template
- G FEMA Worksheets
- H Linkage Procedures
- I Minutes of Meetings
- J Greene County HAZNY Results
- K Batavia Kill Water District Proxy Letter

TABLES

Table

1-1	Participating Jurisdictions in Greene County.....	1-2
1-2	FEMA Local Mitigation Plan Review Crosswalk	1-5
3-1	Participating Green County Jurisdictions	3-1
3-2	Steering Committee Members	3-4
3-3	Planning Committee Members	3-5
3-4	Summary of Planning Committee Efforts.....	3-7
3-5	Greene County Participation Matrix.....	3-10
3-6	Greene County Stakeholders.....	3-12
3-7	Greene County Floodplain Administrators.....	3-16
3-8	Record Review (Municipalities) - Record of the review of existing programs, policies, and technical documents for participating municipalities	3-18
4-1	Land Use in Greene County.....	4-9
4-2	Greene County Population Statistics (2000 U.S. Census)	4-11
4-3	Building Stock Count and Replacement Value by Occupancy Class.....	4-17
4-4	Existing Acreage by Land Use in the River Towns.....	4-22
4-5	Existing Acreage by Land Use in Valley Towns.....	4-23
4-6	Existing Acreage by Land Use in Mountaintop Towns.....	4-23
4-7	2002 Economic Census for Greene County, New York	4-24
4-8	2005 Greene County Business Patterns	4-25
4-9	Farms in Greene County, New York	4-26
4-10	Greene County Population Trends, 1800 to 2000.....	4-29
4-11	Police Stations in Greene County	4-33
4-12	Fire/EMS in Greene County	4-34
4-13	Shelter Facilities in Greene County	4-37
4-14	Senior Facilities in Greene County.....	4-38
4-15	Schools in Greene County	4-41
4-16	Airport Runways/Heliports in Greene County	4-43
4-17	Greene County Potable Water Facilities.....	4-46
4-18	Greene County Wastewater Treatment Facilities	4-47
4-19	Greene County Wastewater Pump Stations	4-47
4-20	Dam Hazard Potential Classifications	4-50
4-21	Dams in Greene County.....	4-51
4-22	HAZMAT Facilities in Greene County	4-54
4-23	Other Facilities in Greene County	4-56
5.2-1	Identification of Natural Hazards of Concern for Greene County.....	5.2-2
5.3-1	Probability of Occurrence Ranking Factors.....	5.3-1
5.3-2	Numerical Values and Definitions for Impacts on Population, Property and Economy	5.3-2
5.3-3	Probability of Occurrence Ranking for Hazards of Concern for Greene County	5.3-3
5.3-4	Impact Ranking for Hazards of Concern for Greene County	5.3-4
5.3-5	Total Risk Ranking Value for Hazards of Concern for Greene County	5.3-5

5.3-6	Hazard Ranking Results for Hazards of Concern for Montgomery County	5.3-5
5.4.1-1	Mohawk River Basin – Tributaries in Greene County Impacted by Flooding	5.4.1-7
5.4.1-2	Regional Stream Management Plan Projects	5.4.1-9
5.4.1-3	Presidential Disaster Declarations for Flooding Events in Green County (9 Declarations).....	5.4.1-21
5.4.1-4	USGS Peak Stream Flows for Greene County	5.4.1-25
5.4.1-5	Flooding Events between 1839 and 2007	5.4.1-26
5.4.1-6	Ice Jam Events in Greene County between 1936 and 2007.....	5.4.1-34
5.4.1-7	Estimated Population Exposed to the Flood Hazard.....	5.4.1-56
5.4.1-8	Estimated Greene County Population Displaced or Seeking Short-Term Shelter from the 100-Year and 500-Year MRP Events	5.4.1-58
5.4.1-9	Estimated Number of Residential Buildings (Single-Family Dwellings and Manufactured Housing) Located in the 100- and 500-year Floodplains	5.4.1-61
5.4.1-10	Estimated General Building Stock Replacement Value (Structure and Contents) Located in the 100- and 500-Year Floodplains.....	5.4.1-62
5.4.1-11	Estimated General Building Stock Loss (Structure and Contents) Damaged by the 100-Year and 500-Year MRP Flood Events	5.4.1-64
5.4.1-12	NFIP Policies, Claims and Repetitive Loss Statistics.....	5.4.1-67
5.4.1-13	Estimated Damage to Critical Facilities in Greene County from the 100-Year MRP Event.....	5.4.1-69
5.4.1-14	Estimated Damage to Critical Facilities in Greene County from the 500-Year MRP Event.....	5.4.1-70
5.4.1-15	Estimated Damage to Utilities in Greene County from the 100-Year MRP Event.....	5.4.1-71
5.4.1-16	Estimated Damage to Utilities in Greene County from the 500-Year MRP Event.....	5.4.1-72
5.4.1-17	Acreage, Yield and Production of Crops in Greene County for 2003	5.4.1-73
5.4.1-18	Estimated Losses to Crops in Greene County.....	5.4.1-73
5.4.2-1	Fujita Damage Scale	5.4.2-4
5.4.2-2	Enhanced Fujita Damage Scale	5.4.2-4
5.4.2-3	Enhanced F-Scale Damage Indicators	5.4.2-5
5.4.2-4	The Saffir-Simpson Scale	5.4.2-6
5.4.2-5	Presidential Disaster Declarations for Severe Storm Events in Greene County	5.4.2-19
5.4.2-6	Severe Storm Events between 1878 and 2007	5.4.2-22
5.4.2-7	Vulnerable Population Exposed to Severe Storm Events in Greene County.....	5.4.2-39
5.4.2-8	Debris Production for 500-Year MRP Event Winds	5.4.4-40
5.4.2-9	Building Stock Replacement Value (Structure Only) by Occupancy Class	5.4.4-42
5.4.2-10	Description of Damage Categories	5.4.4-43
5.4.2-11	Estimated Building Damage by Occupancy Class for 100- and 500-Year Hurricane-Related Wind Events for Greene County	5.4.4-44
5.4.2-12	Estimated Greene County Building Replacement Value (Structure Only) Damaged by the 100-Year and 500-Year MRP Winds.....	5.4.4-44
5.4.2-13	Estimated Building Value (Structure Only) Damaged by the 100-Year and 500-Year MRP Winds	5.4.4-45
5.4.3-1	NESIS Ranking Categories 1 - 5	5.4.3-4
5.4.3-2	The Dolan-Davis Nor'Easter Intensity Scale.....	5.4.3-5
5.4.3-3	Average High and Low Temperature Range for Winter Months in	

	Greene County	5.4.3-9
5.4.3-4	74 Snowstorm Cases That Affected the Northeastern U.S (1888 – 2007) (Arranged by Rank/Category).....	5.4.3-10
5.4.3-5	Presidential Disaster / Emergency Declarations for Severe Winter Storm Events in Greene County	5.4.3-12
5.4.3-6	Severe Winter Events between 1888 and 2007.....	5.4.3-15
5.4.3-7	Vulnerable Population Exposed to Severe Winter Storm/Extreme Cold Events in Greene County	5.4.3-42
5.4.3-8	General Building Stock Exposure and Estimated Losses from Severe Winter Storm/Extreme Cold Events in Greene County	5.4.3-42
5.4.4-1	Past and Current Landslide Areas in Greene County	5.4.4-9
5.4.4-2	Ground Failure Events in Greene County.....	5.4.4-4
5.4.4-3	Population Exposed and Vulnerable to Landslides in Greene County	5.4.4-18
5.4.4.4	General Building Stock Exposed and Vulnerable to Landslides in Hudson County	5.4.4-18
5.4.4.5	Emergency Critical Facilities Susceptible to Landslides in Hudson County.....	5.4.4-19
5.4.5-1	Richter Scale.....	5.4.5-2
5.4.5-2	Modified Mercalli Intensity Scale	5.4.5-2
5.4.5-3	Modified Mercalli Intensity (MMI) and PGA Equivalents	5.4.5-3
5.4.5-4	NEHRP Soil Classifications	5.4.5-7
5.4.5-5	The Lamont-Doherty Earth Observatory of Columbia University – Largest Earthquakes in the New York City Area (1627 – 2001).....	5.4.5-15
5.4.5-6	Earthquake History in New York State, 1737-2008	5.4.5-17
5.4.5-7	Vulnerable Population to Earthquake Events in Greene County.....	5.4.5-26
5.4.5-8	Estimated Sheltering Needs for the 500- and 2,500-year MRP Earthquake Events for Greene County.....	5.4.5-27
5.4.5-9	Estimated Number of Injuries and Casualties from the 2,500-Year MRP Earthquake Event.....	5.4.5-27
5.4.5-10	Example of Structural Damage State Definitions for a Light Wood-Framed Building	5.4.5-28
5.4.5-11	Estimated Number of Buildings Damaged by General Occupancy for 100-year, 500-year and 2,500-year MRP Earthquake Events.....	5.4.5-30
5.4.5-12	Estimated Number of Buildings Damaged by Building Type for 100-year, 500-year and 2,500-year MRP Earthquake Events.....	5.4.5-30
5.4.5-13	Estimated Building Value (Building and Contents) Damaged by Jurisdiction for the 500- and 2,500-Year MRP Earthquake Events	5.4.5-31
5.4.5-14	Estimated Damage and Loss of Functionality for Critical Facilities in Greene County for the 500-Year MRP Earthquake Event.....	5.4.5-33
5.4.5-15	Estimated Damage and Loss of Functionality for Critical Facilities in Greene County for the 2,500-Year MRP Earthquake Event.....	5.4.5-38
5.4.5-16	Estimated Utility Impacts in Greene County from the 500-year MRP Earthquake Event.....	5.4.5-43
5.4.5-17	Estimated Utility Impacts in Greene County from the 2,500-year MRP Earthquake Event.....	5.4.5-46
5.4.5-18	Estimated Impacts to Transportation Features in Greene County from the 500-year MRP Earthquake Event	5.4.5-49
5.4.5-19	Estimated Impacts to Transportation Features in Greene County from the 2,500-year MRP Earthquake Event	5.4.5-50
5.4.5-20	Estimated Debris Generated by the 500- and 2,500-year MRP	

	Earthquake Events	5.4.5-51
6-1	Greene County Hazard Mitigation Plan Objectives.....	6-6
6-2	Cost and Benefit Definitions.....	6-10
7-1	Mitigation Planning Committee.....	7-1
7-2	Existing Processes and Programs for Mitigation Plan Implementation.....	7-7
8-1	Participating Jurisdictions in Greene County.....	8-1
8-2	Benefit Cost Review	8-3

FIGURES

Figure

1-1 Greene County Mitigation Plan Area 1-4

1-2 Greene County Multi-Jurisdictional Hazard Mitigation Planning Process..... 1-8

3-1 Screenshot of the Hazard Mitigation Plan Link on the Greene County
Government Website 3-12

3-2 Screenshot of the Greene County Hazard Mitigation Plan Public Website..... 3-12

4-1 Greene County, New York 4-2

4-2 Watersheds of Greene County, New York..... 4-3

4-3 County Boundaries in the Hudson River Basin in New York and Adjacent States 4-4

4-4 Sub-Basins within New York State 4-5

4-5 Tributaries Draining Into the Schoharie Creek 4-6

4-6 Land Use in Greene County..... 4-9

4-7 Distribution of Land Use in Greene County 4-10

4-8 Distribution of General Population for Greene County, New York 4-13

4-9 Distribution of Persons over the Age of 65 in Greene County, New York 4-14

4-10 Distribution of Low-Income Population in Greene County, New York..... 4-15

4-11 Distribution of Residential Building Stock and Value Density in Greene County 4-19

4-12 Distribution of Commercial Building Stock and Exposure Density in Greene County. 4-20

4-13 Distribution of Industrial Building Stock and Value Density in Greene County 4-21

4-14 Distribution of Business by Industry in Greene County, New York 4-24

4-15 Greene County Population Trends, 1800 to 2006..... 4-30

4-16 Emergency Facilities in Greene County 4-36

4-17 Shelters and Senior Living/Senior Care Facilities in Greene County..... 4-39

4-18 Schools within Greene County 4-42

4-19 Transportation Facilities within Greene County 4-45

4-20 Lifeline Utility Facilities within Greene County 4-49

4-21 Dams and HAZMAT Facilities in Greene County 4-55

5.4.1-1 Floodplain 5.4.1-2

5.4.1-2 Annual peak flows for the period 1904 through 2006 (Prattsville, NY)..... 5.4.1-10

5.4.1-3 Batavia Kill Watershed Flood Control Structures 5.4.1-12

5.4.1-4 Planning Basins and Stream Restoration Project Sites of West of Hudson
Watershed (as of December 2007)..... 5.4.1-16

5.4.1-5 FEMA DFIRM 100- and 500-Year Regulatory Floodplains within
Greene County 5.4.1-18

5.4.1-6 Frequency of Ice Jam Incidents on Eastern New York State Rivers
(1875 – 2007)..... 5.4.1-20

5.4.1-7 Greene County Ice Jam Events 5.4.1-33

5.4.1-8 Hurricane Donna Track in Northeastern U.S. - Rainfall Totals..... 5.4.1-36

5.4.1-9 Precipitation during January 18-19, 1996. 5.4.1-38

5.4.1-10 Streambank Failure near Melodywood Condominiums 5.4.1-39

5.4.1-11 Hurricane/Tropical Storm Floyd Total Precipitation 5.4.1-40

5.4.1-12 Rainfall Totals for April 2-4, 2005 5.4.1-42

5.4.1-13 Floodwaters in East Jewett..... 5.4.1-43

5.4.1-14 Flooding in the Village of Catskill..... 5.4.1-43

5.4.1-15	Flooding near the Town of Jewett	5.4.1-43
5.4.1-16	Flooding in the Village of Catskill.....	5.4.1-43
5.4.1-17	Flooding in the Village of Athens.....	5.4.1-43
5.4.1-18	Flood Damage in Village of Tannersville.....	5.4.1-43
5.4.1-19	Water Street in the Village of Athens	5.4.1-44
5.4.1-20	West Main Street in the Village of Catskills	5.4.1-44
5.4.1-21	2-Day Rainfall Totals during June 27-28, 2006 Flood	5.4.1-45
5.4.1-22	Total Rainfall from June 25, through July 1, 2006 in Eastern New York State	5.4.1-46
5.4.1-23	Precipitation Totals for April 16, 2007	5.4.1-47
5.4.1-24	Severe Repetitive Loss and Repetitive Loss Properties, Policies and Claims in Greene County	5.4.1-50
5.4.1-25	FEMA 2006 DFIRM 100- and 500-Year Flood Boundaries for Greene County	5.4.1-54
5.4.1-26	100- and 500-Year Flood Boundary Generated in HAZUS-MH MR3 for Greene County	5.4.1-55
5.4.1-27	Distribution of Population Density Relative to the HAZUS-MH Generated 500-Year MRP Flood in Greene County	5.4.1-59
5.4.1-28	Distribution of Residential General Building Stock Density Relative to the HAZUS-MH Generated 500-Year MRP Flood in Greene County.....	5.4.1-60
5.4.2-1	Peak Wind Speeds for the 100-Year MRP Wind Event in Greene County	5.4.2-8
5.4.2-2	Peak Wind Speeds for the 500-Year MRP Wind Event in Greene County	5.4.2-9
5.4.2-3	Annual Frequency of Hailstorms in the U.S.	5.4.2-10
5.4.2-4	Wind Zones in the U.S.	5.4.2-11
5.4.2-5	Average Number of Thunderstorms between 1948 and 1977 in the U.S.	5.4.2-12
5.4.2-6	Annual Days Suitable for Thunderstorms/Damaging Winds	5.4.2-13
5.4.2-7	Tornado Activity in the U.S.	5.4.2-14
5.4.2-8	Tornado Activity in New York State, 1950-2005.....	5.4.2-15
5.4.2-9	Tornado Risk in the U.S.	5.4.2-16
5.4.2-10	Historic North Atlantic Tropical Cyclone Tracks, 1851-2	5.4.2-17
5.4.2-11	Historical North Atlantic Tropical Cyclone Tracks (1851-2006)	5.4.2-18
5.4.2-12	Severe Weather Reports for the Albany Area, May 31, 1998	5.4.2-28
5.4.2-13	The Ontario-Adirondack Derecho	5.4.2-29
5.4.2-14	Hurricane/Tropical Storm Floyd Storm Track.....	5.4.2-31
5.4.2-15	July 21, 2003 Tornado Track	5.4.2-33
5.4.2-16	Precipitation Estimates for June 25-28, 2006	5.4.2-35
5.4.2-17	Density of Losses for Residential Structures (Structure Only) for the 100-Year MRP Wind Event.....	5.4.2-47
5.4.2-18	Density of Losses for Residential Structures (Structure Only) for the 500-Year MRP Wind Event.....	5.4.2-48
5.4.3-1	NWS Wind Chill Index.....	5.4.3-6
5.4.3-2	Annual Mean Snowfall within the Eastern U.S. and New York State.....	5.4.3-7
5.4.3-3	Average Statewide January Temperatures.....	5.4.3-8
5.4.3-4	Climate Divisions of New York.	5.4.3-9
5.4.3-5	Blizzard of '88 - NESIS Category 4 Ranking.....	5.4.3-26
5.4.3-6	February 1961 Snowfall Totals.....	5.4.3-27
5.4.3-7	“Storm of the Century” NESIS Category 5 Storm.....	5.4.3-28
5.4.3-8	“Blizzard of ‘96” NESIS Category 5 Storm	5.4.3-29
5.4.3-9	Storm Totals (in inches) for the April Fool’s Nor’Easter	5.4.3-30
5.4.3-10	“April Fool’s Nor’Easter” NESIS Category 1 Storm.	5.4.3-31

5.4.3-11	March 4-7, 2001 NESIS Category 2 Storm	5.4.3-32
5.4.3-12	Total Snowfall (Inches) in the Northeast – March 4-7, 2001	5.4.3-32
5.4.3-13	December 24-25, 2002 NESIS Category 3 Storm	5.4.3-33
5.4.3-14	January 2-3, 2003 NESIS Category 2 Storm	5.4.3-33
5.4.3-15	January 2003 Snowfall Totals.....	5.4.3-34
5.4.3-16	“President’s Day Storm” NESIS Category 4 Storm	5.4.3-35
5.4.3-17	“President’s Day Storm” Snowfall Totals – Northeast U.S.....	5.4.3-35
5.4.3-18	“President’s Day Storm” Snowfall Totals – Albany, NY Area	5.4.3-36
5.4.3-19	Valentines Day Storm of February 2007	5.4.3-37
5.4.3-20	“Valentine’s Storm” NESIS Category 3 Storm	5.4.3-37
5.4.3-21	February 13-14, 2007 Snowfall Accumulations	5.4.3-38
5.4.4-1	Landslide Overview Map of the Northeast U.S.....	5.4.4-6
5.4.4-2	Landslide Potential of the Conterminous U.S. United States	5.4.4-7
5.4.4-3	Landslide Susceptibility in New York State.....	5.4.4-8
5.4.4-4	Past and Current Landslide Areas in Greene County	5.4.4-10
5.4.4-5	Distribution of land subsidence in the U.S	5.4.4-12
5.4.4-6	Rock Types Associated with Land Subsidence Collapse throughout the U.S.....	5.4.4-13
5.4.4-7	Mineral Resources in Southeastern New York State	5.4.4-14
5.4.5.1	Peak Acceleration(%g) with 10% Probability of Exceedance in 50 Years (1996)...	5.4.5-4
5.4.5.2	Peak Acceleration(%g) with 10% Probability of Exceedance in 50 Years (2002)..	5.4.5-5
5.4.5.3	Peak Acceleration(%g) with 10% Probability of Exceedance in 50 Years (2008).	5.4.5-5
5.4.5.4	NEHRP Soils in New York.....	5.4.5-6
5.4.5.5	NEHRP Soils in Greene County	5.4.5-7
5.4.5-6	Special Acceleration with 2% Probability of Exceedance in 50 Years (2002) for New York State.....	5.4.5-8
5.4.5-7	Special Acceleration with 2% Probability of Exceedance in 50 Years (2002) for Green County	5.4.5-9
5.4.5.8	Peak Ground Acceleration in Green County for a 100 Year MRP Earthquake Event by Census Tract	5.4.5-10
5.4.5.9	Peak Ground Acceleration in Green County for a 500 Year MRP Earthquake Event by Census Tract	5.4.5-11
5.4.5.10	Peak Ground Acceleration in Green County for a 2500 Year MRP Earthquake Event by Census Tract	5.4.5-12
5.4.5.11	Earthquake Epicenter in the Northeast U.S., 1737-1986	5.4.5-13
5.4.5.12	Significant Seismic Events in the Northeast U.S., 1730-1986.....	5.4.5-14
5.4.5-13	The Lamont-Doherty Earth Observatory of Columbia University- Largest Earthquake in the New York City Area (1627-2001)	5.4.5-16
6-1	Status of New York City Department of Environmental Protection Stream Management Program Projects	6-2