

**REQUEST FOR PRESIDENTIAL DISASTER DECLARATION
GOVERNOR'S REQUEST COVER LETTER
MAJOR DISASTER OR EMERGENCY**

July 24, 2017

The Honorable Donald Trump
President of the United States
The White House
Washington, D.C. 20500

Through: Mr. Paul Ford
Acting Regional Administrator
FEMA Region I
99 High Street
Boston, Massachusetts 02110

Dear Mr. President:

Under the provisions of Section 401 of the Robert T. Stafford Disaster Relief and Emergency Assistance Act, 42 U.S.C. §§ 5121-5207 (Stafford Act), and implemented by 44 CFR § 206.36, I request that you declare a Major Disaster for the State of Vermont for Public Assistance in Addison, Bennington, Caledonia, Orange, Rutland, Washington, and Windsor Counties and Hazard Mitigation statewide as a result of Severe Storms and Flooding which occurred across Vermont between June 29, 2017 and July 1, 2017. Continued FEMA and State assessments of infrastructure damages are occurring in Washington County.

Beginning on June 29, 2017, the National Weather Service in Burlington, Vermont, issued numerous Severe Thunderstorm, Flood, and Flash Flood Watches and Warnings for the entire state of Vermont. Series of thunderstorms throughout the 3 days caused rainfall amounts of 2 to 5 inches to be observed in various locations throughout the state, with isolated pockets receiving more. Antecedent conditions were saturated because locations around the state had already received from 6 to 10 inches of rain over the month of June and were trending 3 to 5 inches above normal rainfall amounts. Many locations had received almost double their usual rainfall for the month. Torrential rains on steep, mountainous slopes resulted in localized severe flash flooding and flooding on larger rivers and streams.

The National Weather Service provided timely and relevant warnings and information before, during, and after this incident. The meteorological factors and precursors for this incident are described in Enclosure E ("For the Record" Weather Summary Memo from July 10, 2017) from Greg Hanson, Service Hydrologist for the National Weather Service based in Burlington, Vermont.

The State Emergency Operations Plan (SEOP) was implemented during this event. The State Emergency Operations Center (SEOC) was activated at 1300 on July 1, 2017 and remained in partial activation until 1700 on July 2, 2017, and again from 0800 until 1600 on July 3, 2017. In addition to Vermont Emergency Management (VEM), the following State Support Functions (SSF) staffed the SEOC during the course of the incident: 1 (Transportation), 4 (Firefighting), 6 (Human Services), 9 (Search and Rescue), 12 (Public Service), 13 (Vermont State Police), and Military Support.

By the conclusion of the incident, 14 communities had reported Major Impacts to homes and public infrastructure; 64 communities had reported Minor Impacts to public infrastructure. All impacted communities followed their Local Emergency Operations Plans (LEOPs) and reported public and private property damages through Regional Planning Commissions (RPCs) to VEM. Fortunately, there were no deaths or major injuries reported. One shelter was opened by SSF 6 in Thetford. Approximately 800 feet of New England Central Railroad track in West Hartford was damaged in the incident, resulting in suspension of Amtrak service while repairs were undertaken. The City of Barre, in conjunction with the SEOC, issued a VT Alert message to its residents to warn of impending flooding on July 1, 2017. All Urban Search and Rescue (USAR) Memorandum of Understanding (MOU) teams were notified of potential deployments due to the incident and were placed on standby. In addition, the Division of Fire Safety deployed Fire Marshals and Fire Inspectors to perform building inspections across impacted counties as a result of the flooding.

In Thetford (population 2,601), in Orange County, upwards of 75 percent of local roads sustained some level of damage, with over \$589,000 of damage reported (in excess of \$227 per capita). Forty-two homeowners reported flooding damage to their homes or damage to their driveways, causing access issues to their property. The Lyndon swiftwater rescue team was deployed to Thetford to provide rescue support and, although no tactical operations were undertaken, conducted on-scene assessments. Vermont State Police assisted Thetford Police and conducted door-to-door evacuation notices to residents. Damage to the Union Water Company and Village South Water Coop infrastructure caused loss of water to 29 homes. VEM, in coordination with the American Red Cross (ARC), provided two pallets of water to the homeowners while repairs were made to those systems.

In Norwich (population 3,376), in Windsor County, ten roads were reported to have sustained some level of damage, with an initial damage estimate of approximately \$1.5 million (approximately \$450 per capita). Ten homeowners reported flood damages to their homes.

In Brandon (population 3,828), in Rutland County, the Neshobe River overtopped its banks and damaged Newton Road to the extent of approximately \$554,000 (approximately \$140 per capita). Sixteen homes on this road sustained some level of damage or access issues.

Across the state, numerous agricultural fields were flooded and underwater due to the severe storms. Across Rutland County, farmers in Tinmouth, Clarendon, and Wells reported damages to their farm and/or crops. Crop damages at one farm in Clarendon were estimated to be over \$80,000. Vermont Agency of Agriculture, Food, and Markets is working with impacted farmers to determine any potential sources of assistance.

Pursuant to the Recovery Plan of the SEOP, the Individual and Family Needs Task Force (IFNTF) was activated during the incident to manage the increasing number of homeowner-reported damages. The Agency of Human Services, ARC, Vermont 211, Southern Baptists, Vermont Disaster Relief Fund (VDRF), and Community Organizations Active in Disaster (COAD) have coordinated to determine potential state assistance programs for which homeowners may be eligible. Many homeowners sustained damage to their homes, however many others have continued to have access issues which make it

difficult, if not impossible, to reach their properties. To date, the IFNTF has reached out to 60 homeowners to provide advice, assistance, or information on funding resources in order to facilitate private property recovery.

On July 6, 2017, after collecting damage reports from local communities via Regional Planning Commissions and the Vermont Agency of Transportation, Vermont's Director of Emergency Management, Erica Bornemann, wrote to FEMA Region 1 Acting Administrator Paul Ford requesting a Preliminary Damage Assessment (PDA) for Addison, Caledonia, Orange, Rutland, and Windsor Counties. Additional counties continued assessing damages and resulted in two PDA Add-on Requests: Bennington County was requested on July 11, 2017, Washington and Lamoille Counties were requested on July 13, 2017. PDA teams comprised of local, state, and federal representatives convened at Vermont Emergency Management on July 12, 2017 and site visits were conducted between July 12, 2017 and July 18, 2017. Final validated PDA totals were provided by FEMA to my staff on July 18, 2017.

As a result of the FEMA PDA, \$4,773,636 in public infrastructure damages were validated. 99.25% of the total assessed damages (\$4,737,636) during the PDA were Category C – Roads and Bridges. Due to this fact, none of this infrastructure has commercially available insurance coverage, and therefore the costs must be absorbed by the state and local governments.

Each county requested in this declaration request has exceeded the per capita threshold of \$3.61 by at least 10%. Three of the counties assessed – Orange, Rutland, and Windsor – each experienced damages of over \$20 per capita, with Orange County's damages being \$29.06 per capita. Damages of this magnitude have taxed the local ability to effectively recover and maintain appropriate levels of service for residents.

Since 2013, Vermont has experienced six federally-declared and numerous non-declared disasters. DR 4120 (May 2013 flooding), DR 4140 (June-July 2013 flooding), DR 4163 (December 2013 ice storm), DR 4178 (April 2014 flooding), DR 4207 (December 2014 severe winter storm), and DR 4232 (June 9, 2015 flooding) all stressed the state's capacity to respond and recover. This series of disasters, in addition to the ongoing recovery efforts associated with DR 4022 (Tropical Storm Irene in August 2011), continue to stress and deplete state and local recovery resources. It should also be noted that each county impacted by the June 29, 2017 to July 1, 2017 storms, with the exception of Bennington County, has been included in at least two of the above six declarations – additionally taxing their resources required to recover.

Not only are the infrastructure costs of the June 29, 2017 to July 1, 2017 events beyond the financial capabilities of the impacted communities, they also exceed the currently available financial resources of the State of Vermont. The State Town Highway Emergency Fund budget only has approximately \$100,000 remaining for the new State Fiscal Year which began July 1, 2017, and the State relies on this fund to also cover winter maintenance costs and FHWA damages. All the money for the regular Municipal Town Highway and Bridge grant program has already been allocated for this fiscal year. It is unclear how the State will have the capacity to assist the impacted communities in this disaster without federal assistance.

Furthermore, the events which have been federally declared as disasters have not been the only ones which have impacted Vermont over the past two years. In 2017 alone, two events have resulted in localized damages across Rutland and Addison Counties. In early May 2017, a severe windstorm caused over 16,000 power outages and a large amount of debris across the City of Rutland. In mid-May 2017, a severe storm caused a home to be destroyed in West Addison. Neither of these 2017 events had state-wide significance but help to underscore the antecedent conditions present through the first half of the year. In February 2016, the SEOC was activated due to flooding on the Passumpsic, Missisquoi, Lamoille, and Winooski Rivers which resulted in numerous road and private property impacts in Caledonia, Franklin, Lamoille, and Washington Counties which were absorbed by the state and local communities. In October 2015, although not for a storm event and with minimal public and private impacts, the SEOC was activated due to a train derailment in Northfield, which required coordination of multiple SSFs.

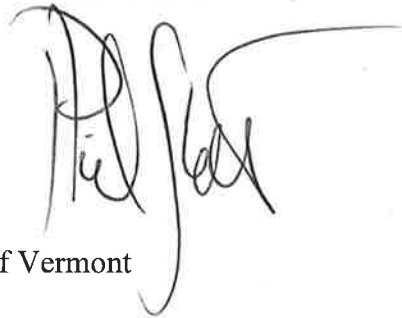
Please note that the impacts from this disaster could have been much worse if not for the hazard mitigation work that has taken place in recent years. For example, the town of Strafford had over \$240,000 in flood damage as a result of this disaster, but the repairs made after Tropical Storm Irene, including Section 406 Hazard Mitigation upgrades to many culverts, stood up very well and prevented repetitive damage to previously repaired sites.

By far, the greatest remaining unmet recovery need is for financial assistance to the impacted communities to complete road repairs without the shock of severe economic disruption to businesses and families. Without this assistance, there would be double-digit increases in local property taxes to cover repairs. The total statewide sum of infrastructure impacts from this event exceeds \$6.6 million. For a state of only 626,000 people, that is more than \$10 of damage for each individual in the state, over 7 times the \$1.43 statewide per capita indicator, a magnitude amply sufficient to support federal assistance under the Stafford Act.

Thank you for your continuing support of the State of Vermont and our citizens.

Sincerely,

Philip B. Scott
Governor, State of Vermont



Enclosures

OMB No. 1660-0009/FEMA Form 010-0-13

A: Individual Assistance (Not requested for this event)

B: Public Assistance

C: Requirements for Other Federal Agency Programs

D: Historic and Current Snowfall Data (Not applicable for this request)

E: "For the Record" Weather Summary Memo from July 10, 2017

**REQUEST FOR PRESIDENTIAL DISASTER DECLARATION
MAJOR DISASTER OR EMERGENCY**

1. Request Date Jul 24, 2017

Burden Disclosure Notice

Public reporting burden for this form is estimated to average 9 hours per response. The burden estimate includes the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and submitting the form. This collection of information is required to obtain a benefit. You are not required to respond to this collection of information unless it displays a valid OMB control number. Send comments regarding the accuracy of the burden estimate and any suggestions for reducing the burden to: Information Collections Management, Department of Homeland Security, Federal Emergency Management Agency, 500 C Street SW, Washington, DC 20472, Paperwork Reduction Project (1660-0009). **NOTE: Do not send your completed form to this address.**

Completion of this form including applicable attachments satisfies legal requirements for emergency and major disaster declaration requests under 42 U.S.C. §§ 5170 and 5191, respectively, as implemented at 44 C.F.R. §§ 206.35 and 206.36. Failure to use this form may result in a failure to meet these requirements and/or a delay in processing the request.

2a. Name of State (as defined in Stafford Act 102, 42 U.S.C. § 5122) or Indian tribal government requesting declaration. Vermont	2b. Population (as reported by 2010 Census) or estimated population of Indian tribal government's damaged area(s). 625,741
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3. Governor's or Tribal Chief Executive's Name Philip Scott	4. Designation of State or Tribal Coordinating Officer upon declaration (if available) and phone number Erica Bornemann, 802-241-5487
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5. Designation of Governor's Authorized Representative or Tribal Chief Executive Representative upon declaration (if available) and phone number
Susanne R. Young

6. Declaration Request For: Major Disaster (Stafford Act Sec. 401) Emergency (Stafford Act Sec. 501(a))

7. Incident Period: Beginning Date June 29, 2017 End Date July 1, 2017 or Continuing *If requesting a "continuing" incident period, enclose an official statement from a qualified Federal Government agency acknowledged as a national authority in a specific incident field (e.g., United States Geological Survey for seismic incidents, the National Weather Service for flooding).*

7b. Type of Incident (Check all that apply)

Drought Earthquake Explosion Fire Flood Hurricane Landslide Mudslide

Severe Storm (rain, high water, wind-driven rain, hail, lightning) Snowstorm (Must include Enclosure D: Historic and Current Snowfall Data) Straight-Line Winds

Tidal Wave Tornado Tropical Depression Tropical Storm Tsunami Volcanic Eruption Winter Storm

Other (please specify) _____

8. Description of damages (Short description of impacts of disaster on affected area and population). Include additional details in enclosed Governor's or Tribal Chief Executive's cover letter.
Beginning on June 29, 2017 through July 1, 2017, numerous Severe Thunderstorm, Flood, and Flash Flood Watches and Warnings were issued across the entire state of Vermont. Series of thunderstorms throughout the 3 days caused rainfall amounts of 2 to 5 inches to be observed, with local higher amounts. Damages occurred across Addison, Bennington, Caledonia, Orange, Rutland, Washington, and Windsor Counties with severe impacts to road, bridge, culvert, and drainage infrastructure occurring, in addition to access being cut off to hundreds of private residences. High impact towns include: Granville (pop. 298 - Addison County) with damages in excess of \$447 per capita; Thetford (Orange County), with a population of 2,601, observed per capita damages in excess of \$227; Norwich (pop. 3,376 - Windsor County) with damages in excess of \$458 per capita; Brandon (pop. 3,828 - Rutland County) in excess of \$139 per capita.

9. Description of the nature and amount of State and local or Indian tribal government resources which have been or will be committed. Include additional details in enclosed Governor's or Tribal Chief Executive's cover letter.

The impacted communities adhered to their Local Emergency Operations Plans and took immediate action to restore emergency access for their residents, with assistance Vermont Agency of Transportation District personnel. Communities reported damages to Vermont Emergency Management via their respective Regional Planning Commissions, pursuant to the State Emergency Operations Plan (SEOP). Emergency Relief and Assistance Fund (ERAF) is provided from the State of Vermont general fund to assist impacted municipalities with a percentage of non-federal cost share (ranging from 30% of nonfederal share to 70% of nonfederal share), depending on impacted communities' status with respect to five criteria articulated in Vermont's ERAF Rule (attached). Communities are responsible for raising their portion of non-federal cost share through local property taxes.

10. Joint Preliminary Damage Assessment*

Individual Assistance Dates Performed _____ Requested _____ Start _____ End _____

Individual Assistance Accessibility Problems (Areas that could not be accessed, and why)

Individual Assistance is not requested at this time.

Public Assistance Dates Performed _____ Requested Jul 6, 2017 Start Jul 12, 2017 End Jul 18, 2017

Public Assistance Accessibility Problems (Areas that could not be accessed, and why)

Despite significant damages to some roadways, Preliminary Damage Assessment teams were able to drive to within viewing distance of all damaged locations.

11. Programs and Areas Requested

Individual Assistance N/A Individuals and Households Program Crisis Counseling Program Disaster Unemployment Assistance
 All Disaster Case Management Disaster Legal Services

For the following jurisdictions, specify programs and areas (counties, parishes, independent cities; for Indian tribal government, list tribe(s) and/or tribal area(s)) If additional space is needed, please enclose additional documentation.

For States, identify Federally-recognized Tribes in the requested counties (if applicable).

Please see **Enclosure A: Supplemental Information for Individual Assistance** for additional information in support of this request*.

*Not Required for Emergency Declaration Request

11. Programs and Areas Requested (Continued)

Public Assistance N/A Debris Removal (Category A) Emergency Protective Measures (Category B) Permanent Work (Categories C-G)*
(not available for Emergency Declaration Requests)

For the following jurisdictions, specify programs and areas (counties, parishes, independent cities; for Indian tribal government, list tribe(s) and/or tribal area(s)). If additional space is needed or your request includes different categories of work for different jurisdictions; please enclose additional documentation.

Requested counties: Addison (\$145,784 in PDA validated damages, \$132,924 per capita threshold); Bennington (\$284,527 in PDA validated damages, \$134,021 per capita threshold); Caledonia (\$381,467 in PDA validated damages, \$112,729 per capita threshold); Orange (\$840,972 in PDA validated damages, \$104,459 per capita threshold); Rutland (\$1,386,752 in PDA validated damages, \$222,528 per capita threshold); Washington (Currently at \$168,145 in PDA validated damages with PDAs continuing, \$214,918 per capita threshold); Windsor (\$1,565,988 in PDA validated damages, \$204,579 per capita threshold). Current total of PDA validated damages (with Washington ongoing): \$4,773,636. See Enclosure B, Public Assistance, for additional detail on PDA validated costs.

For States, identify Federally-recognized Tribes included in the requested counties (if applicable).

Please see **Enclosure B: Supplemental Information for Public Assistance** for additional information in support of this request*.

Indemnification for Debris Removal Activity

I do not anticipate the need for debris removal.

I anticipate the need for debris removal, which poses an immediate threat to lives, public health and safety. Pursuant to Sections 403 and 407 of the Stafford Act, 42 U.S.C. §§ 5170b & 5173, the State or Indian tribal government agrees to indemnify and hold harmless the United

States of America for any claims arising from the removal of debris or wreckage for this disaster. The State or Indian tribal government agrees that debris removal from public and private property will not occur until the landowner signs an unconditional authorization for the removal of debris.

Request for Direct Federal Assistance

I do not request direct Federal assistance at this time.

I request direct Federal assistance for work and services to save lives and protect property, and:

a. I request the following type(s) of assistance:

b. List of reasons why State and local or Indian tribal government cannot perform, or contract for, required work and services.

c. In accordance with 44 C.F.R. § 206.208, the State or Indian tribal government agrees that it will, with respect to direct Federal assistance: (1) Provide without cost to the United States all lands, easements, and rights-of-ways necessary to accomplish the approved work; (2) Hold and save the United States free from damages due to the requested work, and shall indemnify the Federal Government against any claims arising from such work; (3) Provide reimbursement to FEMA for the non-Federal share of the cost of such work in accordance with the provisions of the FEMA-State or FEMA-Tribe Agreement; and (4) Assist the performing Federal agency in all support and local jurisdictional matters.

Request for Snow Assistance

N/A I request snow assistance.

Snow assistance for the following jurisdictions (Specify counties, independent cities or tribes and/or tribal areas).

Please see **Enclosure D: Historic and Current Snowfall Data** for additional information in support of this request*.

*Not Required for Emergency Declaration Request

11. Programs and Areas Requested (Continued)

Hazard Mitigation* Statewide **OR**

For the following specific counties, parishes, independent cities or tribes and/or tribal areas.

12. Mitigation Plan Information*

a. Mitigation Plan Expiration Date November 18, 2018 b. Type of Plan Enhanced Standard

13. Other Federal Agency Programs

I do not anticipate requirements from Other Federal Agencies I do anticipate requirements from Other Federal Agencies

Please see **Enclosure C**: Requirements for Other Federal Agency Programs for additional information in support of this request*.

14. Findings and Certifications

I certify the following:

a. I have determined that this incident is of such severity and magnitude that effective response is beyond the capabilities of the State and the affected local government or Indian tribal government and that supplementary federal assistance is necessary.

b. In response to this incident, I have taken appropriate action under State or tribal law and have directed the execution of the State or Tribal Emergency Plan on Jun 29, 2017 in accordance with the Stafford Act.

c. The State and local governments, or Indian tribal government will assume all applicable non-Federal share of costs required by the Stafford Act.

15. List of Enclosures and Supporting Documentation

- Cover Letter Enclosure A (Individual Assistance)* Enclosure B (Public Assistance)*
- Enclosure C (Requirements for Other Federal Agency Programs) Enclosure D (Historic and Current Snowfall Data)
- Additional Supporting Documentation Enclosure E: "For the Record" Weather Summary Memo from July 10, 2017



 Governor's or Tribal Chief Executive's Signature

7/27/17

 Date

If anyone except the Governor or Tribal Chief Executive signs this document, please provide the documentation that establishes that this individual has the legal authority to act on behalf of the Governor or Tribal Chief Executive.

*Not Required for Emergency Declaration Request

ENCLOSURE A TO MAJOR DISASTER REQUEST

Estimated Requirements for Individual Assistance under the Stafford Act

The State of Vermont is not requesting Individual Assistance for this event.

DAMAGE ASSESSMENT WORKSHEET

Date:	PUBLIC DAMAGE							TOTAL	POP. '10	\$/CAP.
Report #:	A	B	C	D	E	F	G			
7/20/2017										
Addison County										
Addison	\$	\$	\$	\$	\$	\$	\$	\$0	1,371	\$0.00
Bridport	\$	\$	\$	\$	\$	\$	\$	\$0	1,218	\$0.00
Bristol	\$	\$	\$	\$	\$	\$	\$	\$0	3,894	\$0.00
Cortwall	\$	\$	\$	\$	\$	\$	\$	\$0	1,185	\$0.00
Ferrisburg	\$	\$	\$	\$	\$	\$	\$	\$0	2,775	\$0.00
Goshen	\$	\$	\$	\$	\$	\$	\$	\$0	164	\$0.00
Granville	\$	\$	\$133,237	\$	\$	\$	\$	\$133,237	298	\$447.10
Hancock	\$	\$	\$12,547	\$	\$	\$	\$	\$12,547	323	\$38.85
Leicester	\$	\$	\$	\$	\$	\$	\$	\$0	1,100	\$0.00
Lincoln	\$	\$	\$	\$	\$	\$	\$	\$0	1,271	\$0.00
Middlebury	\$	\$	\$	\$	\$	\$	\$	\$0	8,496	\$0.00
Monkton	\$	\$	\$	\$	\$	\$	\$	\$0	1,980	\$0.00
New Haven	\$	\$	\$	\$	\$	\$	\$	\$0	1,727	\$0.00
Orwell	\$	\$	\$	\$	\$	\$	\$	\$0	1,250	\$0.00
Panton	\$	\$	\$	\$	\$	\$	\$	\$0	677	\$0.00
Ripton	\$	\$	\$	\$	\$	\$	\$	\$0	588	\$0.00
Salisbury	\$	\$	\$	\$	\$	\$	\$	\$0	1,136	\$0.00
Shoreham	\$	\$	\$	\$	\$	\$	\$	\$0	1,265	\$0.00
Starksboro	\$	\$	\$	\$	\$	\$	\$	\$0	1,777	\$0.00
Vergennes	\$	\$	\$	\$	\$	\$	\$	\$0	2,588	\$0.00
Waltham	\$	\$	\$	\$	\$	\$	\$	\$0	486	\$0.00
Weybridge	\$	\$	\$	\$	\$	\$	\$	\$0	833	\$0.00
Writing	\$	\$	\$	\$	\$	\$	\$	\$0	419	\$0.00
DOT	\$	\$	\$	\$	\$	\$	\$	\$0		
ANR	\$	\$	\$	\$	\$	\$	\$	\$0		
Forest & Parks	\$	\$	\$	\$	\$	\$	\$	\$0		
VEM	\$	\$	\$	\$	\$	\$	\$	\$0		
VAST	\$	\$	\$	\$	\$	\$	\$	\$0		
Rails to Trails	\$	\$	\$	\$	\$	\$	\$	\$0		
County Totals	\$0	\$0	\$145,784	\$0	\$0	\$0	\$0	\$145,784	36,821	\$3.96
NOTES:	PDA							\$132,924		\$0

DAMAGE ASSESSMENT WORKSHEET

Date: 7/20/2017		PUBLIC DAMAGE							TOTAL	POP '10	\$/CAP	
Report #:		A	B	C	D	E	F	G				
Bennington County												
Arlington	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$0	37,125	\$0.00
Bennington	\$	\$	\$	\$277,073	\$	\$	\$	\$	\$	\$277,073	15,764	\$17.58
Dorset	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$0	2,031	\$0.00
Glastonbury	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$0	8	\$0.00
Langrove	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$0	158	\$0.00
Manchester	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$0	4,391	\$0.00
Peru	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$0	375	\$0.00
Pownal	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$0	3,527	\$0.00
Readsboro	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$0	763	\$0.00
Rupert	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$0	714	\$0.00
Sandgate	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$0	405	\$0.00
Searsburg	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$0	109	\$0.00
Staffsbury	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$0	3,590	\$0.00
Stamford	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$0	824	\$0.00
Sunderland	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$0	956	\$0.00
Winhall	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$0	769	\$0.00
Woodford	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$0	424	\$0.00
DOT	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$0		
ANR	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$0		
Forest & Parks	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$0		
VEM	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$0		
VAST	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$0		
Rails to Trails	\$	\$	\$	\$7,454	\$	\$	\$	\$	\$	\$7,454		
County Totals	\$	\$0	\$0	\$284,527	\$0	\$0	\$0	\$0	\$0	\$284,527	37,125	\$7.66

NOTES:

PDA

Goal

\$134,021

\$0

Short

DAMAGE ASSESSMENT WORKSHEET

Date: 7/20/2017	PUBLIC DAMAGE									
Report #:	A	B	C	D	E	F	G	TOTAL	POP. '10	\$/CAP.
Caledonia County									31,227	
Barret	\$	\$	\$355,766	\$	\$	\$	\$	\$355,766	1,708	\$208.29
Burke	\$	\$	\$	\$	\$	\$	\$	\$0	1,753	\$0.00
Danville	\$	\$	\$	\$	\$	\$	\$	\$0	2,196	\$0.00
Groton	\$	\$	\$	\$	\$	\$	\$	\$0	1,022	\$0.00
Hardwick	\$	\$	\$	\$	\$	\$	\$	\$0	3,010	\$0.00
Kirby	\$	\$	\$	\$	\$	\$	\$	\$0	493	\$0.00
Lyndon	\$	\$	\$	\$	\$	\$	\$	\$0	5,981	\$0.00
Newark	\$	\$	\$	\$	\$	\$	\$	\$0	581	\$0.00
Peacham	\$	\$	\$	\$	\$	\$	\$	\$0	732	\$0.00
Ryegate	\$	\$	\$25,701	\$	\$	\$	\$	\$25,701	1,174	\$21.89
Saint Johnsbury	\$	\$	\$	\$	\$	\$	\$	\$0	7,603	\$0.00
Sheffield	\$	\$	\$	\$	\$	\$	\$	\$0	703	\$0.00
Stannard	\$	\$	\$	\$	\$	\$	\$	\$0	216	\$0.00
Sutton	\$	\$	\$	\$	\$	\$	\$	\$0	1,029	\$0.00
Walden	\$	\$	\$	\$	\$	\$	\$	\$0	935	\$0.00
Waterford	\$	\$	\$	\$	\$	\$	\$	\$0	1,280	\$0.00
Wheeler	\$	\$	\$	\$	\$	\$	\$	\$0	811	\$0.00
DOT	\$	\$	\$	\$	\$	\$	\$	\$0		
ANR	\$	\$	\$	\$	\$	\$	\$	\$0		
Forest & Parks	\$	\$	\$	\$	\$	\$	\$	\$0		
VEM	\$	\$	\$	\$	\$	\$	\$	\$0		
VEC	\$	\$	\$	\$	\$	\$	\$	\$0		
Washington County	\$	\$	\$	\$	\$	\$	\$	\$0		
Elec Coop	\$	\$	\$	\$	\$	\$	\$	\$0		
Rails to Trails	\$	\$	\$	\$	\$	\$	\$	\$0		
County Totals	\$0	\$0	\$381,467	\$0	\$0	\$0	\$0	\$381,467	31,227	\$12.22

NOTES:

PDA

Goal

\$112,729 Short

DAMAGE ASSESSMENT WORKSHEET

Date: 7/20/2017	PUBLIC DAMAGE									
Report #:	A	B	C	D	E	F	G	TOTAL	POP. '10	\$/CAP.
Orange County										
Bradford	\$	\$	\$	\$	\$	\$	\$	\$0	2,797	\$0.00
Braintree	\$	\$	\$	\$	\$	\$	\$	\$0	1,246	\$0.00
Brookfield	\$	\$	\$	\$	\$	\$	\$	\$0	1,292	\$0.00
Chelsea	\$	\$	\$	\$	\$	\$	\$	\$0	1,238	\$0.00
Corinth	\$	\$	\$	\$	\$	\$	\$	\$0	1,367	\$0.00
Fairlee	\$	\$	\$	\$	\$	\$	\$	\$0	977	\$0.00
Newbury	\$	\$	\$	\$	\$	\$	\$	\$0	2,216	\$0.00
Orange	\$	\$	\$	\$	\$	\$	\$	\$0	1,072	\$0.00
Randolph	\$	\$	\$	\$	\$	\$	\$	\$0	4,778	\$0.00
Stafford	\$	\$	\$251,070	\$	\$	\$	\$	\$251,070	1,098	\$228.66
Theftord	\$	\$	\$589,902	\$	\$	\$	\$	\$589,902	2,588	\$227.94
Topsham	\$	\$	\$	\$	\$	\$	\$	\$0	1,173	\$0.00
Tunbridge	\$	\$	\$	\$	\$	\$	\$	\$0	1,284	\$0.00
Vershire	\$	\$	\$	\$	\$	\$	\$	\$0	730	\$0.00
Washington	\$	\$	\$	\$	\$	\$	\$	\$0	1,039	\$0.00
West Fairlee	\$	\$	\$	\$	\$	\$	\$	\$0	652	\$0.00
Williamstown	\$	\$	\$	\$	\$	\$	\$	\$0	3,389	\$0.00
DOT	\$	\$	\$	\$	\$	\$	\$	\$0		
ANR	\$	\$	\$	\$	\$	\$	\$	\$0		
Forest & Parks	\$	\$	\$	\$	\$	\$	\$	\$0		
VEM	\$	\$	\$	\$	\$	\$	\$	\$0		
Thumman Dix Reservoir	\$	\$	\$	\$	\$	\$	\$	\$0		
Washington County	\$	\$	\$	\$	\$	\$	\$	\$0		
Elec Coop	\$	\$	\$	\$	\$	\$	\$	\$0		
Rails to Trails	\$	\$	\$	\$	\$	\$	\$	\$0		
County Totals	\$	\$	\$840,972	\$	\$	\$	\$	\$840,972	28,936	\$29.06

NOTES:

PDA

Goal

\$104,459

Short

DAMAGE ASSESSMENT WORKSHEET

Date: 7/20/2017 Report #:	PUBLIC DAMAGE							TOTAL	POP '10	\$/CAP.
	A	B	C	D	E	F	G			
Rutland County									61,642	
Benson	\$	\$	\$	\$	\$	\$	\$	\$0	1,056	\$0.00
Brandon	\$36,000	\$	\$518,879	\$	\$	\$	\$	\$554,879	3,966	\$139.91
Castleton	\$	\$	\$	\$	\$	\$	\$	\$0	4,717	\$0.00
Chittenden	\$	\$	\$	\$	\$	\$	\$	\$0	1,258	\$0.00
Clarendon	\$	\$	\$	\$	\$	\$	\$	\$0	2,571	\$0.00
Danby	\$	\$	\$323,483	\$	\$	\$	\$	\$323,483	1,311	\$246.75
Fair Haven	\$	\$	\$	\$	\$	\$	\$	\$0	2,734	\$0.00
Hubbardton	\$	\$	\$	\$	\$	\$	\$	\$0	706	\$0.00
Ira	\$	\$	\$	\$	\$	\$	\$	\$0	432	\$0.00
Killington	\$	\$	\$	\$	\$	\$	\$	\$0	811	\$0.00
Mendon	\$	\$	\$	\$	\$	\$	\$	\$0	1,059	\$0.00
Middletown Springs	\$	\$	\$	\$	\$	\$	\$	\$0	745	\$0.00
Mount Holly	\$	\$	\$	\$	\$	\$	\$	\$0	1,237	\$0.00
Mounbt Tabor	\$	\$	\$	\$	\$	\$	\$	\$0	255	\$0.00
Pawlet	\$	\$	\$	\$	\$	\$	\$	\$0	1,477	\$0.00
Pittsfield	\$	\$	\$	\$	\$	\$	\$	\$0	546	\$0.00
Pittsford	\$	\$	\$	\$	\$	\$	\$	\$0	2,991	\$0.00
Poultney	\$	\$	\$	\$	\$	\$	\$	\$0	3,432	\$0.00
Proctor	\$	\$	\$	\$	\$	\$	\$	\$0	1,741	\$0.00
Rutland City	\$	\$	\$	\$	\$	\$	\$	\$0	16,495	\$0.00
Rutland Town	\$	\$	\$	\$	\$	\$	\$	\$0	4,054	\$0.00
Shrewsbury	\$	\$	\$	\$	\$	\$	\$	\$0	1,056	\$0.00
Sudbury	\$	\$	\$	\$	\$	\$	\$	\$0	560	\$0.00
Timnouth	\$	\$	\$	\$	\$	\$	\$	\$0	613	\$0.00
Wallingford	\$	\$	\$508,390	\$	\$	\$	\$	\$508,390	2,079	\$244.54
Wells	\$	\$	\$	\$	\$	\$	\$	\$0	1,150	\$0.00
West Haven	\$	\$	\$	\$	\$	\$	\$	\$0	264	\$0.00
West Rutland	\$	\$	\$	\$	\$	\$	\$	\$0	2,326	\$0.00
DOT	\$	\$	\$	\$	\$	\$	\$	\$0		
ANR	\$	\$	\$	\$	\$	\$	\$	\$0		
Forest & Parks	\$	\$	\$	\$	\$	\$	\$	\$0		
VEM	\$	\$	\$	\$	\$	\$	\$	\$0		
VAST	\$	\$	\$	\$	\$	\$	\$	\$0		
Rails to Trails	\$	\$	\$	\$	\$	\$	\$	\$0		
County Totals	\$36,000	\$0	\$1,350,752	\$0	\$0	\$0	\$0	\$1,386,752	61,642	\$22.50
NOTES: PDA								Goal \$222,528	\$0	Short

DAMAGE ASSESSMENT WORKSHEET

Date: 7/20/2017	PUBLIC DAMAGE									
Report #:	A	B	C	D	E	F	G	TOTAL	POP. '10	\$/CAP.
Washington County	\$	\$	\$	\$	\$	\$	\$	\$0	59,534	\$0.00
Barre City	\$	\$	\$	\$	\$	\$	\$	\$0	9,052	\$0.00
Barre Town	\$	\$	\$	\$	\$	\$	\$	\$0	7,924	\$0.00
Berlin	\$	\$	\$	\$	\$	\$	\$	\$0	2,887	\$0.00
Cabot	\$	\$	\$	\$	\$	\$	\$	\$0	1,433	\$0.00
Calais	\$	\$	\$	\$	\$	\$	\$	\$0	1,607	\$0.00
Duxbury	\$	\$	\$61,695	\$	\$	\$	\$	\$61,695	1,337	\$46.14
East Montpelier	\$	\$	\$	\$	\$	\$	\$	\$0	2,576	\$0.00
Fayston	\$	\$	\$	\$	\$	\$	\$	\$0	1,353	\$0.00
Marshfield	\$	\$	\$	\$	\$	\$	\$	\$0	1,588	\$0.00
Middlesex	\$	\$	\$35,335	\$	\$	\$	\$	\$35,335	1,731	\$20.41
Montpelier	\$	\$	\$	\$	\$	\$	\$	\$0	7,855	\$0.00
Moretown	\$	\$	\$	\$	\$	\$	\$	\$0	1,658	\$0.00
Northfield	\$	\$	\$28,104	\$	\$	\$	\$	\$28,104	6,207	\$4.53
Plainfield	\$	\$	\$	\$	\$	\$	\$	\$0	1,243	\$0.00
Roxbury	\$	\$	\$36,044	\$	\$	\$	\$	\$36,044	691	\$52.16
Waitsfield	\$	\$	\$0	\$	\$	\$	\$	\$0	1,719	\$0.00
Warren	\$	\$	\$6,967	\$	\$	\$	\$	\$6,967	1,705	\$4.09
Waterbury	\$	\$	\$	\$	\$	\$	\$	\$0	5,064	\$0.00
Woodbury	\$	\$	\$	\$	\$	\$	\$	\$0	906	\$0.00
Worcester	\$	\$	\$	\$	\$	\$	\$	\$0	998	\$0.00
DOT	\$	\$	\$	\$	\$	\$	\$	\$0		
ANR	\$	\$	\$	\$	\$	\$	\$	\$0		
Forest & Parks	\$	\$	\$	\$	\$	\$	\$	\$0		
VEM	\$	\$	\$	\$	\$	\$	\$	\$0		
Washington County	\$	\$	\$	\$	\$	\$	\$	\$0		
Elec Coop	\$	\$	\$	\$	\$	\$	\$	\$0		
Rails to Trails	\$	\$	\$	\$	\$	\$	\$	\$0		
County Totals	\$0	\$0	\$168,145	\$0	\$0	\$0	\$0	\$168,145	59,534	\$2.82

NOTES:

PDA

Goal: \$214,918 (\$46,773) Short

DAMAGE ASSESSMENT WORKSHEET

Date: 7/20/2017	PUBLIC DAMAGE							TOTAL	POP '10	\$/CAP.
Report #:	A	B	C	D	E	F	G			
Windsor County										
Andover	\$	\$	\$	\$	\$	\$	\$	\$0	467	\$0.00
Baltimore	\$	\$	\$	\$	\$	\$	\$	\$0	244	\$0.00
Barrard	\$	\$	\$	\$	\$	\$	\$	\$0	947	\$0.00
Bethel	\$	\$	\$	\$	\$	\$	\$	\$0	2,030	\$0.00
Bridgewater	\$	\$	\$	\$	\$	\$	\$	\$0	936	\$0.00
Cavendish	\$	\$	\$	\$	\$	\$	\$	\$0	1,367	\$0.00
Chester	\$	\$	\$	\$	\$	\$	\$	\$0	3,154	\$0.00
Hartford	\$	\$	\$	\$	\$	\$	\$	\$0	9,952	\$0.00
Hartland	\$	\$	\$	\$	\$	\$	\$	\$0	3,393	\$0.00
Ludlow	\$	\$	\$	\$	\$	\$	\$	\$0	1,963	\$0.00
Norwich	\$	\$	\$1,565,988	\$	\$	\$	\$	\$1,565,988	3,414	\$458.70
Plymouth	\$	\$	\$	\$	\$	\$	\$	\$0	619	\$0.00
Pomfret	\$	\$	\$	\$	\$	\$	\$	\$0	904	\$0.00
Reading	\$	\$	\$	\$	\$	\$	\$	\$0	666	\$0.00
Rochester	\$	\$	\$	\$	\$	\$	\$	\$0	1,139	\$0.00
Royalton	\$	\$	\$	\$	\$	\$	\$	\$0	2,773	\$0.00
Sharon	\$	\$	\$	\$	\$	\$	\$	\$0	1,502	\$0.00
Springfield	\$	\$	\$	\$	\$	\$	\$	\$0	9,373	\$0.00
Stockbridge	\$	\$	\$	\$	\$	\$	\$	\$0	736	\$0.00
Weatherfield	\$	\$	\$	\$	\$	\$	\$	\$0	2,825	\$0.00
Weston	\$	\$	\$	\$	\$	\$	\$	\$0	566	\$0.00
West Windsor	\$	\$	\$	\$	\$	\$	\$	\$0	1,099	\$0.00
Windsor	\$	\$	\$	\$	\$	\$	\$	\$0	3,553	\$0.00
Woodstock	\$	\$	\$	\$	\$	\$	\$	\$0	3,048	\$0.00
DOT	\$	\$	\$	\$	\$	\$	\$	\$0		
ANR	\$	\$	\$	\$	\$	\$	\$	\$0		
Forest & Parks	\$	\$	\$	\$	\$	\$	\$	\$0		
VEM	\$	\$	\$	\$	\$	\$	\$	\$0		
VAST	\$	\$	\$	\$	\$	\$	\$	\$0		
Rails to Trails	\$	\$	\$	\$	\$	\$	\$	\$0		
County Totals	\$0	\$0	\$1,565,988	\$0	\$0	\$0	\$0	\$1,565,988	56,670	\$27.63

NOTES: PDA Goal \$204,579 Short

ENCLOSURE C TO MAJOR DISASTER REQUEST

Estimated Assistance from Other Federal Agency Programs

County	SBA Home Loans	SBA Business Loans	FSA Loans	NRCS	FHWA	USACE	OTHER
<i>All</i>	<i>TBD</i>	<i>TBD</i>	<i>TBD</i>	<i>TBD</i>	<i>TBD</i>	<i>TBD</i>	<i>TBD</i>
Totals							

Note: Provide numbers and amounts, as appropriate.

ENCLOSURE D TO MAJOR DISASTER REQUEST

Historic and Current Snowfall Data

Not applicable in support of this request.

ENCLOSURE E TO MAJOR DISASTER REQUEST



UNITED STATES DEPARTMENT OF
COMMERCE
National Oceanic and Atmospheric Administration
National Weather Service Burlington
Burlington International Airport
1200 Airport Drive
South Burlington, VT 05403-6028

July 10, 2017

MEMORANDUM FOR: The Record

FROM: Greg Hanson, Service Hydrologist
National Weather Service Burlington VT

SUBJECT: Storm Summary - Widespread Flooding
June 29 to July 1 2017

Overview

A slow moving storm system affected Vermont on June 29 2017 through July 1 2017, producing torrential rainfall and flash flooding, wind damage, and small hail. Low pressure over the Great Lakes caused southerly winds across the US eastern seaboard, and brought anomalously high moisture into the northeast United States. A slow moving cold front hovered over the region during the time period, until it pushed east of Vermont the morning of July 2. Until that time, high humidity, warm unstable air, and a low pressure system in the upper portions of the atmosphere fueled thunderstorms with heavy rainfall, strong gusty winds, and small hail. During the overnight hours of June 30, a band of moderate to heavy rain and embedded thunderstorms dropped 1.5 to 3 inches of rain and resulted in flooding from southern Chittenden County eastward. That rainfall also resulted in the Winooski River rising above flood stage during the afternoon and into the morning of July 1. Another round of thunderstorms, producing heavy rainfall occurred during the afternoon of July 1, some of which fell across areas that had seen heavy rainfall 36 hours earlier and this resulted in the widespread flash flooding observed across parts of south-central and southeast Vermont.

Antecedent Conditions

June was a wet period for Vermont. Rainfall totals in June ranged from 6 inches to over 10 inches (Figure 1), and were 3 to 5 inches above normal (Figure 2). Many locations received nearly double (200%) their usual rainfall for the month:

Location	June 2017 observed rain (inches)	June normal rain (inches)	Percent above normal
Burlington VT	7.17	3.69	194%
Montpelier	8.20	4.12	199%
East Haven	5.83	3.84	152%
Plainfield	9.49	4.02	236%
South Lincoln	8.61	4.57	188%
Rutland	4.17	3.97	105%
Springfield	4.48	3.89	115%
Woodstock	4.95	3.46	143%
Mount Mansfield	12.41	7.11	175%

These above normal rainfall amounts set the stage for the floods and flash floods of June 29 through July 1 by saturating the soils and elevating the levels of rivers and streams such that any additional rainfall would instantly become runoff rather than being absorbed into the soil.

June 29-30 2017

Flood producing rainfall developed during the evening of June 29 over northern New York in an east-west oriented band, and moved east into Vermont during the overnight and through the early morning of June 30.. Thunderstorms formed and moved repeatedly through the same areas, dumping 2 to 3 inches of rain in a few hours (Figure 3). Flash flooding developed before midnight in higher elevation headwater locations, for example an outbuilding at Smugglers Notch State Campground was washed away. By sunrise on the 30th rivers and streams were in flood, with the Browns and Huntington Rivers flooding roads, and the Winooski River in flood from Waterbury to its outlet into Lake Champlain. The Winooski River at Essex Junction remained in flood until the morning of July 1 2017.

Additional showers and thunderstorms developed during the day on the 30th. Although there was no additional flooding, the rainfall kept soils saturated and streamflows elevated.

Some of the flooding events reported to NWS Burlington included:

- Montpelier - Lower Sunnybrook Road impassable due to water over the road
- Huntington - Huntington River out of its banks and threatening one home
- Essex Center- Rte. 128 Closed between Irene and Weed Roads
- Colchester - Flooding on Mallets Bay Ave at Pine Island Road
- Hinesburg - Water over Rte. 116 near North Rd
- Stowe - Outbuilding for State Ski Dorm at Smugglers Notch State Park destroyed.



- Williston - North Williston Road closed due to water from Winooski River across the road

July 1 2017

The focus for rainfall moved further south on July 1, over central and southern Vermont. Thunderstorms with heavy rainfall developed around midday, and moved repeatedly over the same areas. Two to three inches of rain, with isolated pockets in excess of 4 inches, fell mainly south of Routes 17 and 302. Because of the wet June and heavy rainfall of June 29-30, this rainfall resulted in devastating flash flooding as rivers and streams were overwhelmed by runoff. Although the rain ended before midnight, flooding continued into the early morning hours of July 2. In addition to flash flooding, larger rivers such as the Mad, Dog, Ompompanoosuc, and Middlebury, and Neshobe Rivers flooded as well. The Winooski River rose above flood stage for the second time in 2 days at Waterbury and Essex Junction VT.

The storm system that brought the warm humid air to the region moved east on July 2 as a cold front swept through Vermont, ending the threat of additional heavy rain and flooding.

Some of the flooding events reported to NWS Burlington included:

- Orwell - Water across Rte. 22A
- Barre - Multiple streets flooded
- Thetford - Widespread damage to roads. Evacuations along Rte. 132 and Ompompanoosuc River
- West Norwich - Washout on Beaver Meadow Rd
- Bradford - Chelsea Rd flooded
- Ripton - Rte. 125 closed due to flooding
- Sharon - Water flowing across Rte. 132
- Ryegate - Flooding and culverts washed out along North Bayley-Hazen Rd
- Brandon - Road washouts along the Neshobe River

Rainfall Summary:

The total rainfall that fell within 3 days was nearly the equivalent of a month's worth of rainfall in some locations: It was this period of excessive rainfall, falling after an already wet month, that resulted in the flooding in many communities of central Vermont. Some reported rainfall totals are listed in the table below. See figure 5 for a map of the estimated 3 day rainfall.

...Addison County...			
2 E South Lincoln	4.67 in	Middlebury Airport	3.27 in
1 ESE Ripton	4.40 in	Brooksville	3.10 in
1 NW Hanksville	3.85 in	1 E Addison	2.86 in
3 N South Lincoln	3.34 in	1 E Monkton Ridge	2.16 in



...Bennington County...			
Bennington Airport	4.86 in	6 NNE Stratton	1.03 in
1 NNE Landgrove	1.26 in	Woodford	1.02 in

...Caledonia County...			
Sutton	4.65 in	1 SE East Burke	2.16 in
Saint Johnsbury	3.29 in	1 SW Sutton	2.02 in
1 SSW Passumpsic	3.03 in	1 NE Hardwick	1.92 in

...Chittenden County...			
Huntington	3.14 in	1 SE South Burlington	2.18 in
1 NE Chimney Corner	2.85 in	North Underhill	2.15 in
Essex Junction	2.47 in	2 NE Shelburne	2.06 in
1 WNW Westford	2.46 in	2 NNW Malletts Bay	2.03 in
Burlington Intl Airport	2.28 in	1 ENE Underhill Center	1.98 in

...Essex County...			
Gallup Mills	2.36 in	1 NNW Lunenburg	2.20 in
Gallup Mills NEPP	2.22 in		

...Franklin County...			
Fairfax	2.18 in	1 WSW Saint Albans	2.13 in

...Lamoille County...			
2 NNE Smugglers Notch	3.94 in	2 ESE Moscow	2.41 in
Johnson	3.45 in	Lake Elmore RAWS	2.29 in
1 N Stowe	2.98 in	2 WNW Garfield	1.79 in



...Orange County...			
Union Village NEPP	4.68 in	Randolph	3.73 in
4 E Orange	4.59 in	2 NNE Fairlee	2.69 in
East Orange	3.98 in	3 ENE Randolph	2.32 in
Union Village Dam	3.93 in		

...Rutland County...			
Forest Dale	3.89 in	2 WSW Pawlet	2.09 in
2 ESE Shrewsbury	3.58 in	Danby	1.87 in
1 NNW West Bridgewater	2.10 in	2 E Proctor	1.84 in

...Washington County...			
Moretown	3.77 in	5 S Moscow	3.40 in
1 E East Warren	3.71 in	2 N Montpelier	3.40 in
Worcester	3.70 in		

...Windsor County...			
North Hartland Dam	2.84 in	2 ENE Bridgewater	2.15 in
1 NW South Pomfret	2.68 in	1 ESE Amsden	1.81 in

...Windham County...			
2 WNW Putney	2.17 in	3 SE Wardsboro	1.57 in
West Halifax	1.99 in	4 N Townshend	1.35 in
East Dover	1.93 in	1 E Townshend	1.16 in
5 NNW Wilmington	1.85 in	1 NNE Rockingham	1.13 in
Wilmington	1.77 in		



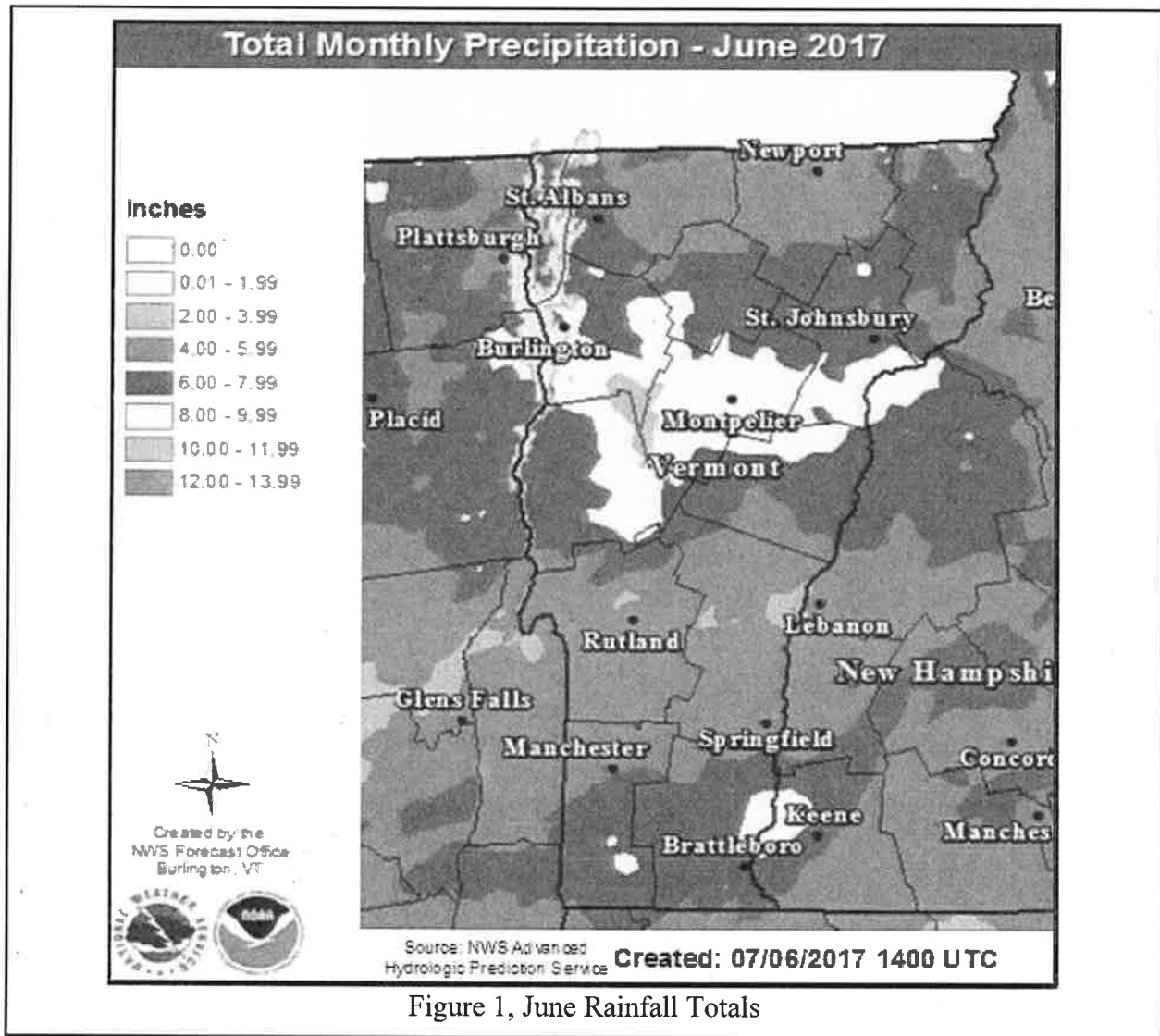


Figure 1, June Rainfall Totals



Monthly Precipitation Departure From Normal - June 2017

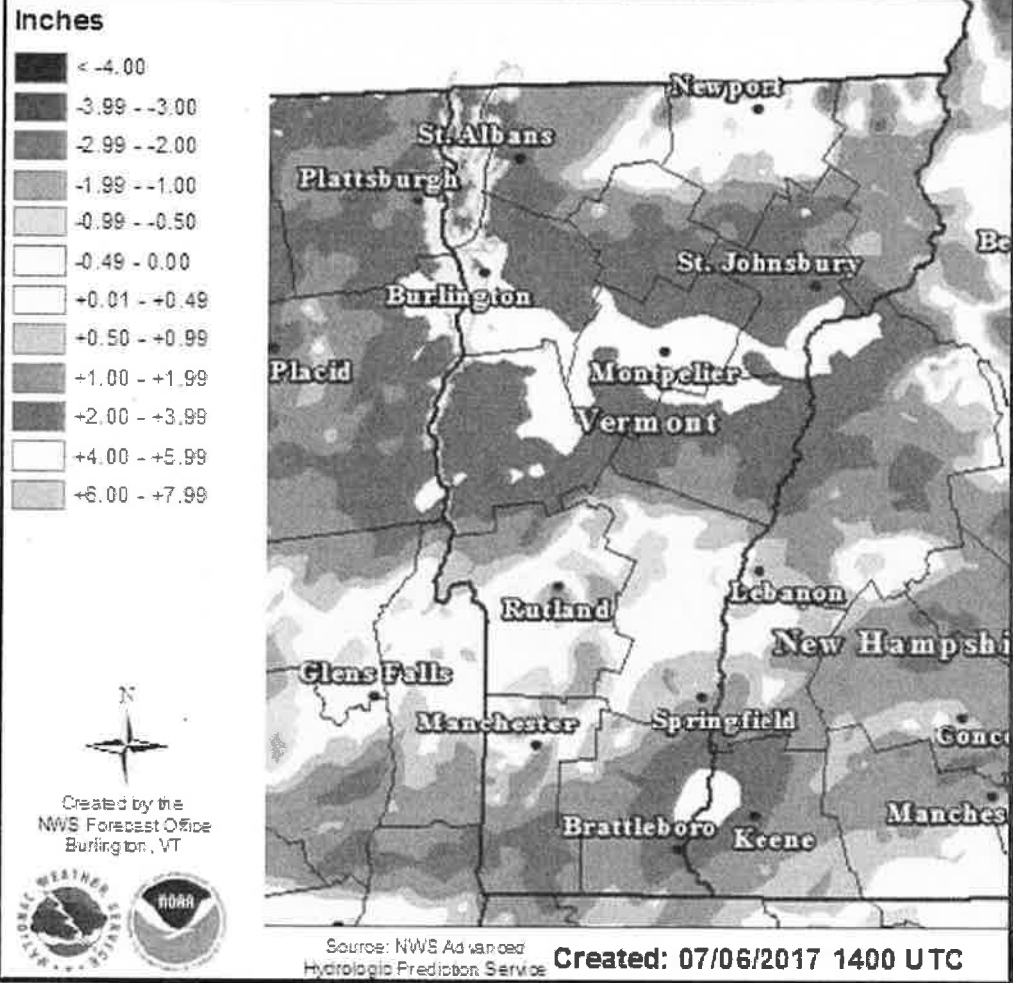
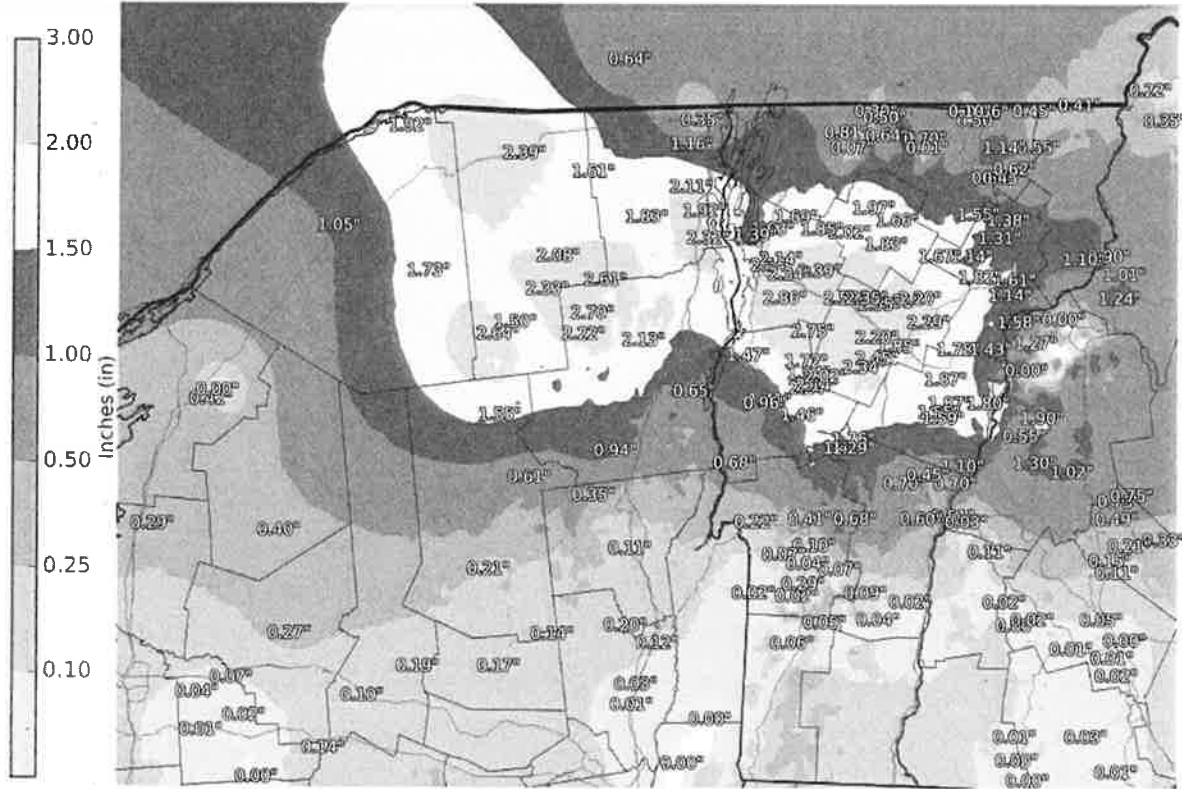


Figure 2, June rainfall departure from normal



24-hr Precipitation Totals: ending at 8 AM EDT June 30, 2017



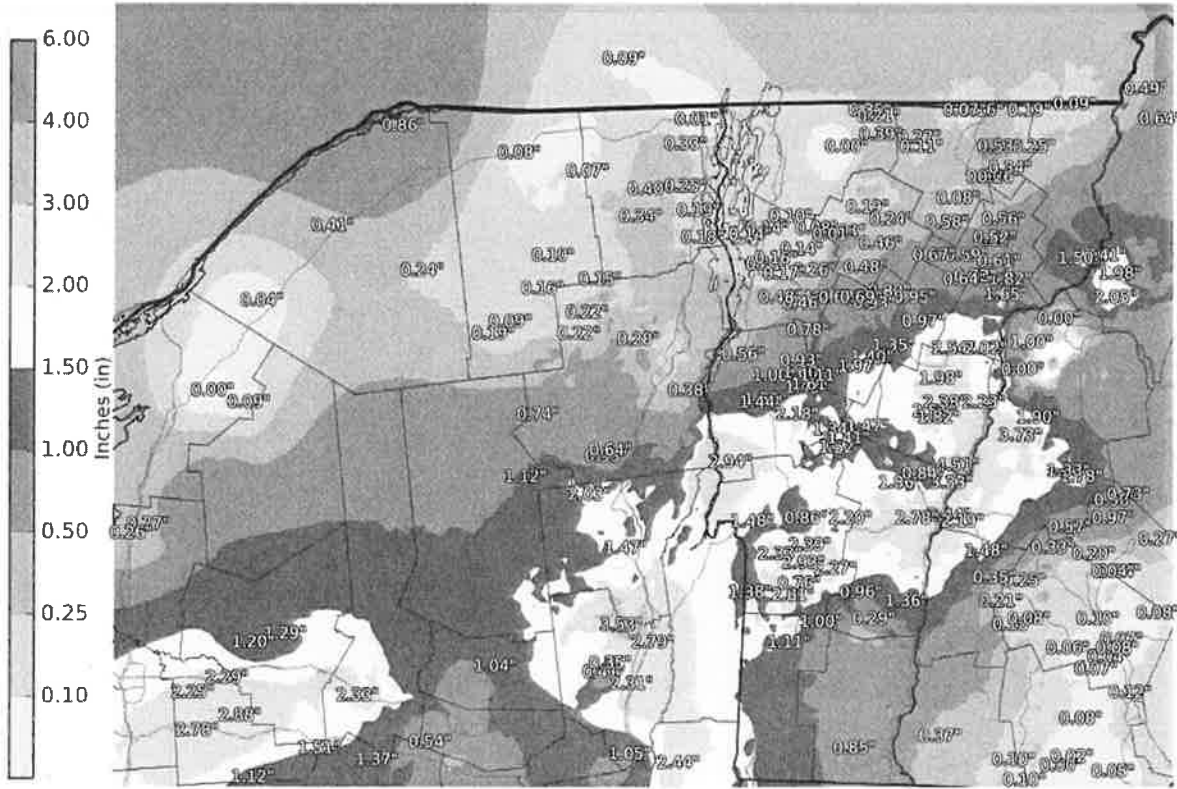
National Weather Service
Burlington, VT
06/30/2017 10:48 AM EDT

Follow Us:   
weather.gov/Burlington

Figure 3, Rainfall totals from 8 am June 29 to 8 am June 30



24-hr Precipitation Totals: ending at 8 AM EDT July 02, 2017



National Weather Service
 Burlington, VT
 07/02/2017 11:20 AM EDT

Follow Us:



weather.gov/Burlington

Figure 4, Rainfall totals 8 am 7/1/2017 to 8 am 7/2/2017

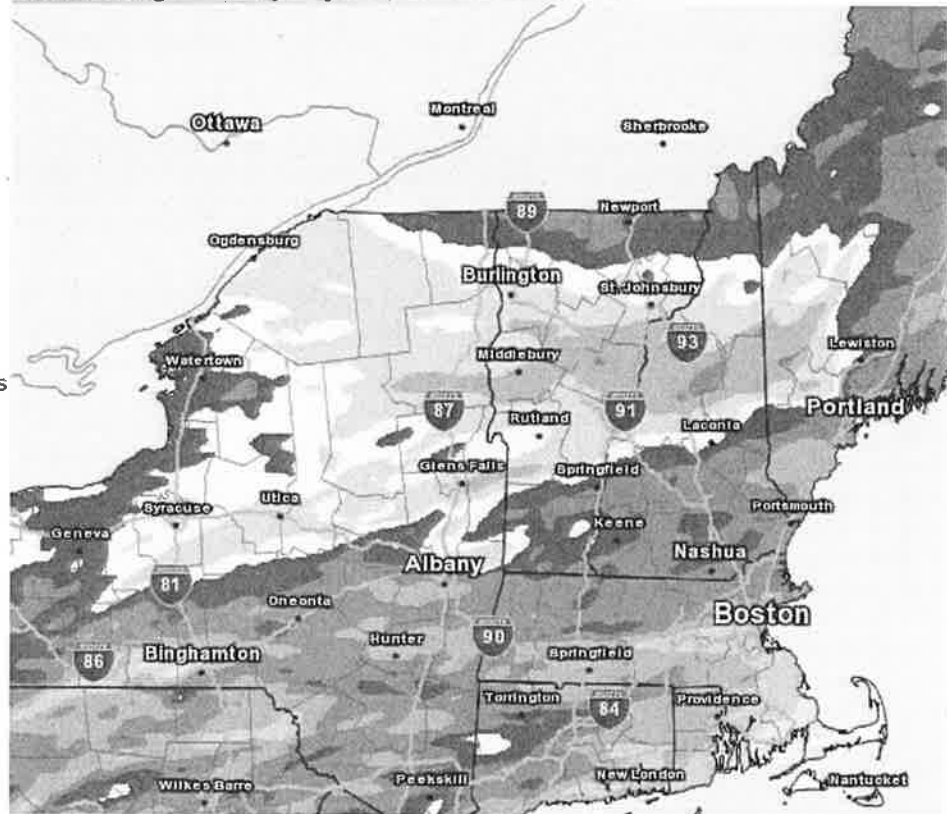


Observed Precipitation

National Weather Service

Valid Ending Saturday July 1st, 2017 at 8 PM EDT

- Up to 0.1 inch
- 0.1 to 0.25 inches
- 0.25 to 0.5 inches
- 0.5 to 1.0 inches
- 1.0 to 1.5 inches
- 1.5 to 2.0 inches
- 2.0 to 3.0 inches
- 3.0 to 4.0 inches
- 4.0 to 6.0 inches
- 6.0 to 8.0 inches
- 8.0 to 10.0 inches
- 10.0 to 15.0 inches
- Greater than 15 inches



Graphic Created
 JULY 1st 2017
 9:47 PM EDT

Figure 5. Estimated Rainfall Totals for the 3 day period from 8pm June 28 to 8pm July 1

