

## 2. RPC work at the Regional Coordination Center

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- Daily Status Reports
- Damage Assessment Collection
  - ▣ Create forms
  - ▣ Base maps to record damage
  - ▣ Compile all damage reports
- Disseminate the damage report information

# Daily Status Report

## Irene Flood Damage Town Highway Regional Status Report

### Daily Summary by Town

To be submitted BY NOON daily to [mboomhower@ccmpo.org](mailto:mboomhower@ccmpo.org)

Preliminary assessment

Date 9/9/2011

FIRST SET RPC CODE IN YELLOW PULLDOWN CELL BELOW - this will then only show towns in the RPC region in the town name column pulldown

Regional Planning Commission SWCRPC Southern Windsor County RPC

Town Name	Road Status					Bridge Status					Culvert Status				
	# Open but Damaged	# Partially Open (e.g. 1 lane)	# Emergency Only	# Closed	Total Damaged	# Open but Damaged	# Partially Open (e.g. 1 lane)	# Emergency Only	# Closed	Total Damaged	# Open but Damaged	# Partially Open (e.g. 1 lane)	# Emergency Only	# Closed	Total Damaged
Andover	28		5	3	36				1	1					0
Baltimore	1				1					0					0
Cavendish	2		67	5	74				1	1					0
Chester	123			1	124	9				9					0
Ludlow	110			14	124	1			2	3					0
Reading	25		14	1	40				1	1					0
Springfield	4				4					0					0
Weathersfield	9		4	1	14					0					0
West Windsor	38	1	2		41				1	1					0
Windsor	3			2	5	1			1	2					0

□ Example of report from September 9<sup>th</sup>.

# Daily Status Report

**DRAFT**

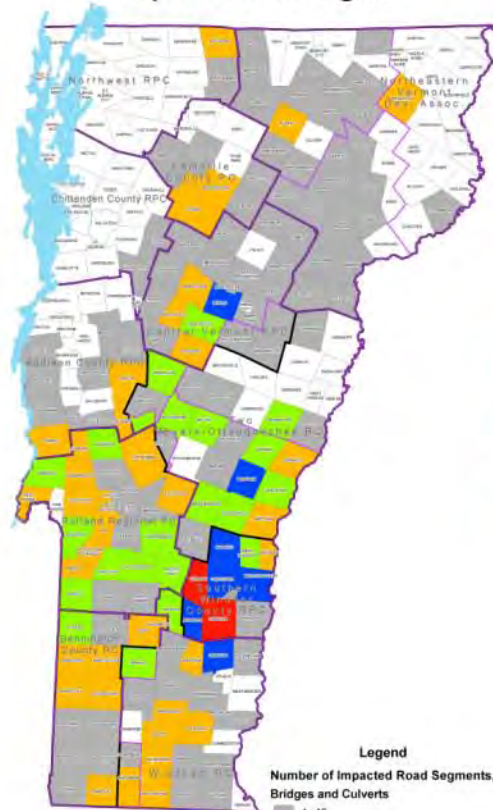
9/30/2011

Time: 10:37:20 AM

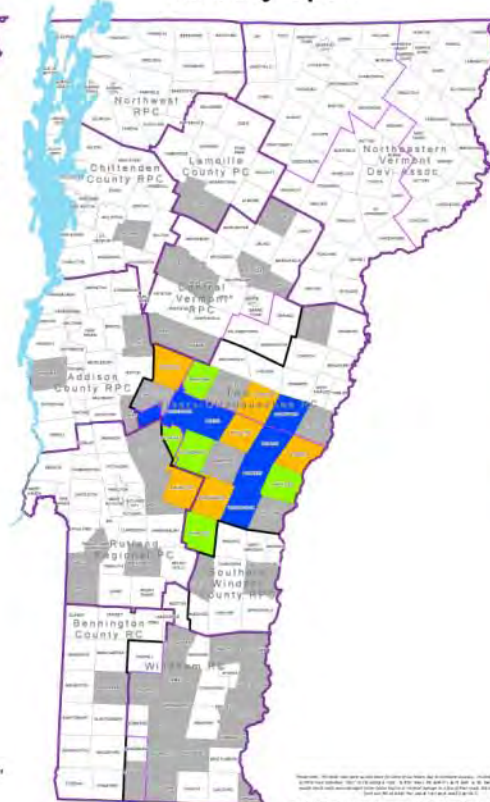
## Local Road Segments, Bridges and Culvert Impacts of Tropical Storm Irene



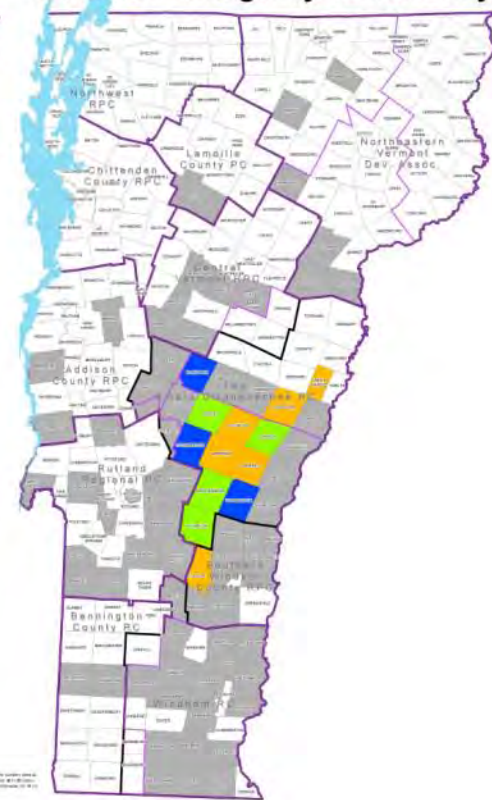
### Road Segments, Bridges, Culverts Open But Damaged



### Road Segments, Bridges, Culverts Partially Open



### Road Segments, Bridges, Culverts Closed or Emergency Vehicle Only



0 5 10 20 Miles

Local Highway Asset Damage Assessment Report  
Friday, September 30, 2011

	Today 9/30/2011	Previous Report 9/26/2011
Road Segments Damaged	2,260	1,950
Road Segments Closed	175	184
Road Segments Emergency Only	23	30
Bridges Damaged	280	268
Bridges Closed	90	84
Bridges Emergency Only	6	4
Culverts Damaged	392	817
Culverts Closed	135	601
Culverts Emergency Only	9	0

# Damage Assessment Collection

## Version 1

### Irene Flood Response - Regional Resource Coordination Initial Damage Assessment Data Form

\*\*\*Fill out One Form for Each Damage Area\*\*\*

Town: \_\_\_\_\_ Date: \_\_\_\_\_  
Road Name/ Number and Location Description (*fill out information listed below if known*): \_\_\_\_\_  
Town Contact: \_\_\_\_\_  
Title/Position: \_\_\_\_\_  
Phone/email: \_\_\_\_\_  
Recorded by: \_\_\_\_\_  
• GPS coordinates From: \_\_\_\_\_  
To: \_\_\_\_\_  
• E911 Address: \_\_\_\_\_  
• Mile Marker \_\_\_\_\_  
Municipal Repair Priority:  
□ High □ Medium □ Low  
• Bridge/Culvert Number: \_\_\_\_\_  
• Length (feet) of Segment (for roads): \_\_\_\_\_

Facility Type: (*check all that apply*): ☐ Road ☐ Bridge ☐ Culvert ☐ Other Highway

Status: ☐ Closed ☐ Emergency vehicle only ☐ Open with lane/weight restriction ☐ Open, repair needed

If facility is closed, is a detour route in place? ☐ Yes ☐ No

Damage description: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Have temporary repairs been made: ☐ Yes ☐ No Cost of Temporary Repairs \_\_\_\_\_

Describe temporary repairs: \_\_\_\_\_

Describe immediate repair needs (repairs that must be made before winter): \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Describe resources needed for immediate repairs (equipment, staff, etc.): \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Estimated immediate repair costs, if known: \_\_\_\_\_

Will additional repairs be needed? ☐ Yes ☐ No Will an engineering study be needed? ☐ Yes ☐ No  
☐ Don't know

Location is Important for (check all that apply):  
☐ Critical access point for residents ☐ Critical access point for businesses  
☐ Critical access route for school buses ☐ Other (describe) \_\_\_\_\_

Number of Homes Accessed: \_\_\_\_\_ Number of Businesses Accessed: \_\_\_\_\_

Other Highway Issues: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

## Version 4

### Irene Flood Response - Regional Resource Coordination Local Road Initial Damage Assessment Data Form *Version 4*

\*\*\*Fill out One Form for Each Damage Area\*\*\*

Town: \_\_\_\_\_ RPC: \_\_\_\_\_  
Road Name/ Number and Location Description (*provide adequate detail to locate project on a map such as road name, route number, GPS coordinates (Lat, Long in dec. deg), E911 Address, Mile Marker*): \_\_\_\_\_  
Town Contact: \_\_\_\_\_  
Title/Position: \_\_\_\_\_  
Recorded by: \_\_\_\_\_  
Date: \_\_\_\_\_  
\_\_\_\_\_  
Bridge/Culvert Number: \_\_\_\_\_  
Length (feet) of Segment (for roads): \_\_\_\_\_  
Municipal Repair Priority:  
□ High □ Medium □ Low  
Residences Stranded: ☐ Yes  
How Many: \_\_\_\_\_

Facility Type: (*check all that apply*): ☐ Road ☐ Bridge\* ☐ Culvert ☐ Other Highway

\*Will a Temporary Bridge be needed before Winter? ☐ Yes Length in feet if known: \_\_\_\_\_

Status: ☐ Closed ☐ Emergency vehicle only ☐ Open with lane/weight restriction  
☐ Open, repair needed ☐ Open, Fixed

If facility is closed, is a detour route in place? ☐ Yes ☐ No

Will the detour be in place for more than one week? ☐ Yes

Damage description: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Have temporary repairs been made: ☐ Yes ☐ No Cost of Temporary Repairs \_\_\_\_\_  
Describe temporary repairs: \_\_\_\_\_

Does Town need assistance in getting repairs started? ☐ Yes

Describe resources needed: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



# Example Base Map of Stockbridge

## Stockbridge Town Bridge and Road Damage Assessment

REPORTED 9/14/2011

### Legend

#### Damage Assessment Site

◆ Damage Spot along Road (ie slope failure)

● Bridge Damage

▲ Culvert Damage

■ Damage Database ID

— Closed

— Open/ Repair Needed

— Open with Lane/Weight Restrictions

— Status Unknown

#### Road Centerline-AOT Class

— Interstate Highway

— Federal Highway

— State Highway

— Class 1-3 Town Highway

— Class 4 Town Highway

— Federal or State Forest Road

— Private Road

— Federal Aid System

— Stream Centerline

— Water Body

— Municipal Boundary



0 1,250 2,500 5,000 Feet

0 0.25 0.5 1 Miles

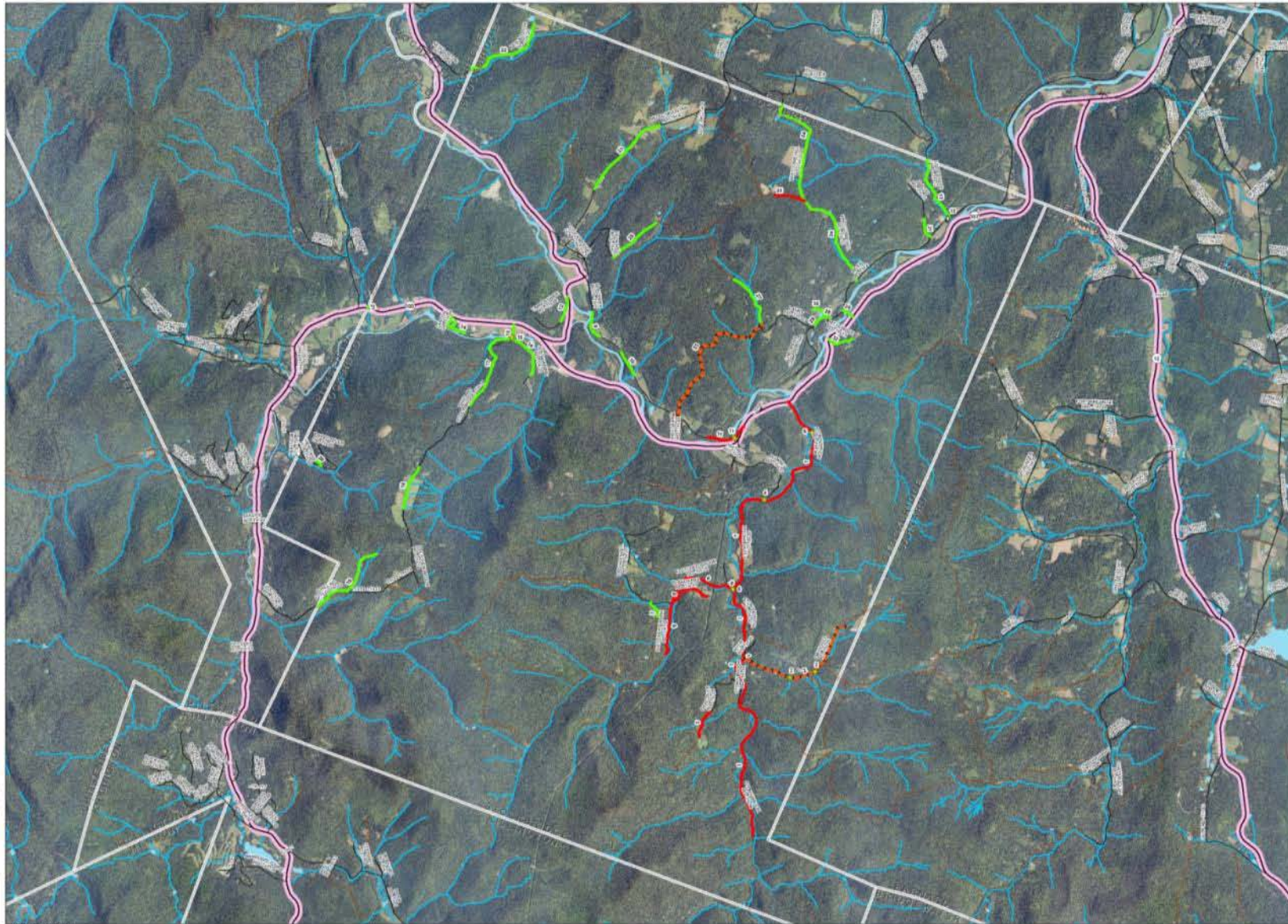
Disclaimer:  
The accuracy of information presented is determined by its sources. Errors and omissions may exist. The Chittenden County Regional Planning Commission, and any other partnering Regional Planning Commission, is not responsible for these errors. Questions of on-the-ground location can be resolved by site inspections and/or surveys. This map identifies the presence of features and may indicate relationships between features, but is not a replacement for survey or engineering studies.

This map was created to assist with town bridge and road damage data collection. THIS IS ITS SOLE PURPOSE. This map may not include all damage and cannot be used by the traveling public to determine access or safety.

Version

Date: 9/18/2011 Time: 5:16:00 PM

Path: Z:\GIS\Projects\11\Issues\Flood\BatonRPC\11TRC\Stockbridge\_FloodData\_TRC.mxd



# Compile and Report

## Local Highway Damage Assessment *As of September 30, 2011*

### Road Segments

*Total Damaged* 2,260  
*Still Closed* 175  
*Emergency Only* 33

	12/21/11	12/14/2011	12/7/2011
Closed Bridges	43	49	52
Closed Road Segments	21	85	89

### Bridges

*Total Damaged* 289  
*Still Closed* 90  
*Emergency Only* 6

### Culverts

*Total Damaged* 992  
*Still Closed* 335

### 3. RPC work at the SEOC

SEOC – State Emergency Operation Center

- Incident Command System's Planning and Logistics Sections role
- Assisted FEMA
- Incident Command System (ICS) structure was set up for the RPCS to report to VTrans with status updates to the SEOC
- Staffed multiple positions at SSF1 (State Support Function 1)



# Lessons Learned



Photograph by SWCRPC staff



# Strengths

- Pre-established relationships with municipalities
  - Transportation
  - GIS mapping and infrastructure inventories
- Pre-established working relationships and partnerships with state agencies and volunteers
- Inter-RPC mutual aid assistance – less impacted RPCs help more impacted RPCs

# Areas for improvements

- ❑ No pre-defined role for RPCs to assist VTrans in the manner requested
- ❑ Not all RPC staff had adequate knowledge and/or training for tasks
- ❑ Communications challenges
- ❑ Continuously changing expectations
- ❑ Collecting too much information

# Recommendations

From the November 2011 After Action Report

- Plan to include RPCs in emergency response
- Create funding provision for approved emergency activations
- Train RPC staff
- Facilitate clear, concise and coordinated communications
  - List of FAQs ahead of time
  - Central website/ clearinghouse
  - Distill and prioritize information needs for local officials



# Where are we now?



*Photograph by SWCRPC staff*

# Update – June 2012

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- 2011 construction season extended into December
- April 2012 – New construction season started
- May 16, 2012 – Federal Disaster Declaration amended
- May 30, 2012 - Governor Shumlin signed largest transportation budget in Vermont's history
- Ongoing discussion





*Picture from Town of Weathersfield facebook page*

## Questions?

Contact:

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