



# RPC Involvement in the Recovery of Vermont's Transportation Network after Tropical Storm Irene

NADO Webinar  
June 7, 2012

Presented by Pam Brangan (Chittenden County RPC) and Katharine Otto (Southern Windsor County RPC) on behalf of the Vermont Association of Planning and Development Agencies

# Agenda

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- What happened in Vermont?
  - ▣ Case Study of Southern Windsor County
- What was our task and why?
  - ▣ Element 1 – RPC work in the field
  - ▣ Element 2 – RPC work at the Coordination Center
  - ▣ Element 3 – RPC work at the State Emergency Operations Center
- Lessons learned
- Where are we now?

# What happened in Vermont?

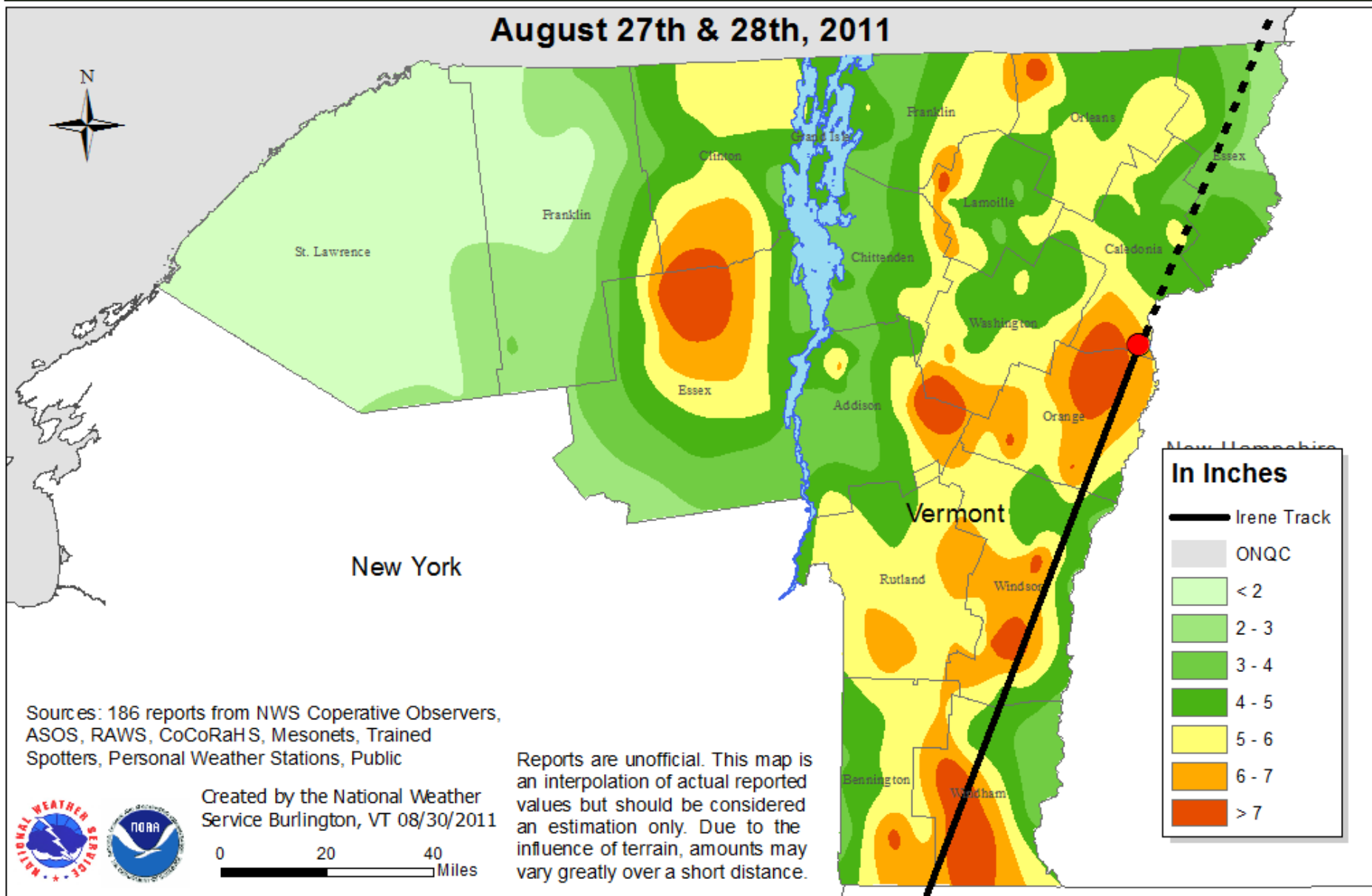
August 28, 2011



# What happened in Vermont?

## Tropical Storm Irene Total Rainfall - Northern New York & Vermont

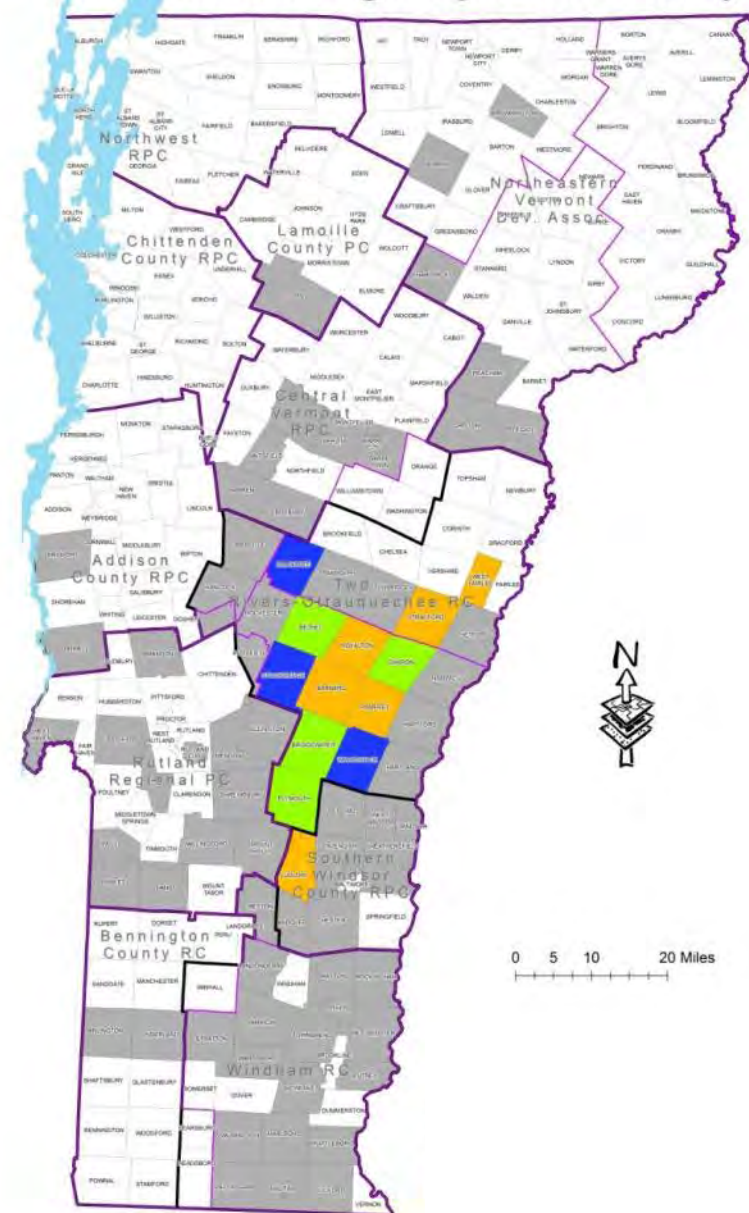
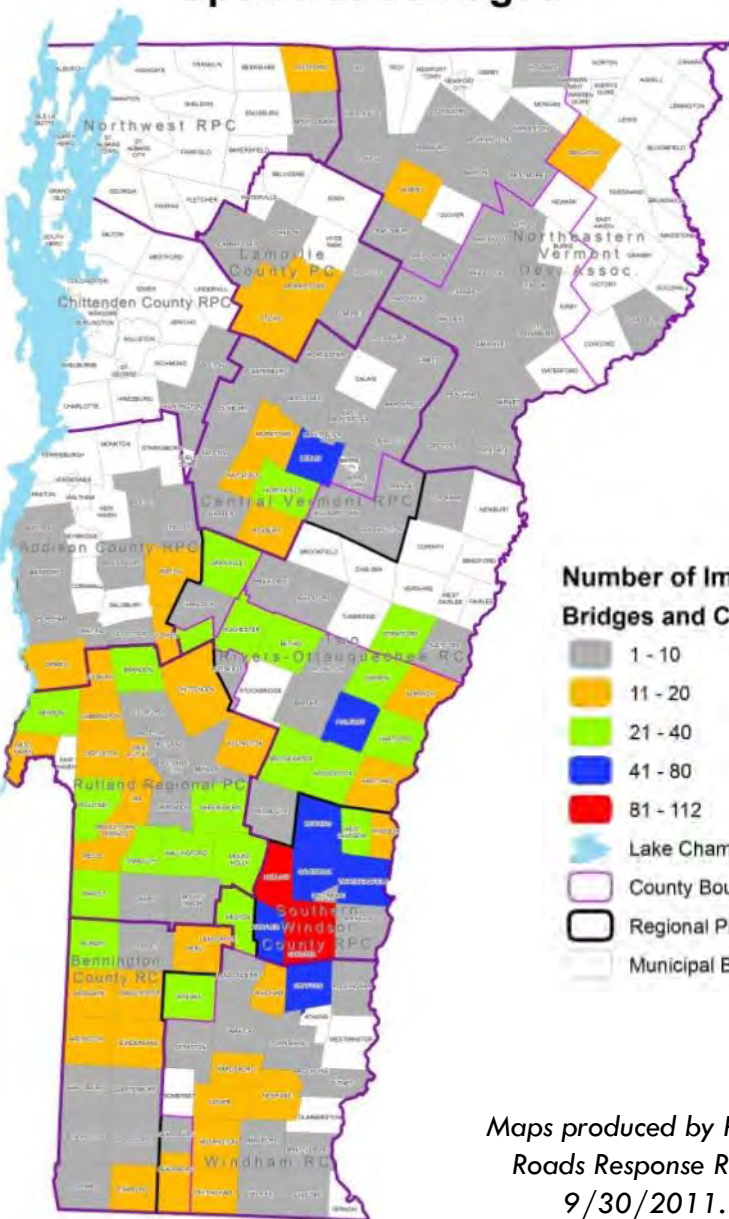
August 27th & 28th, 2011



# Damage across Vermont

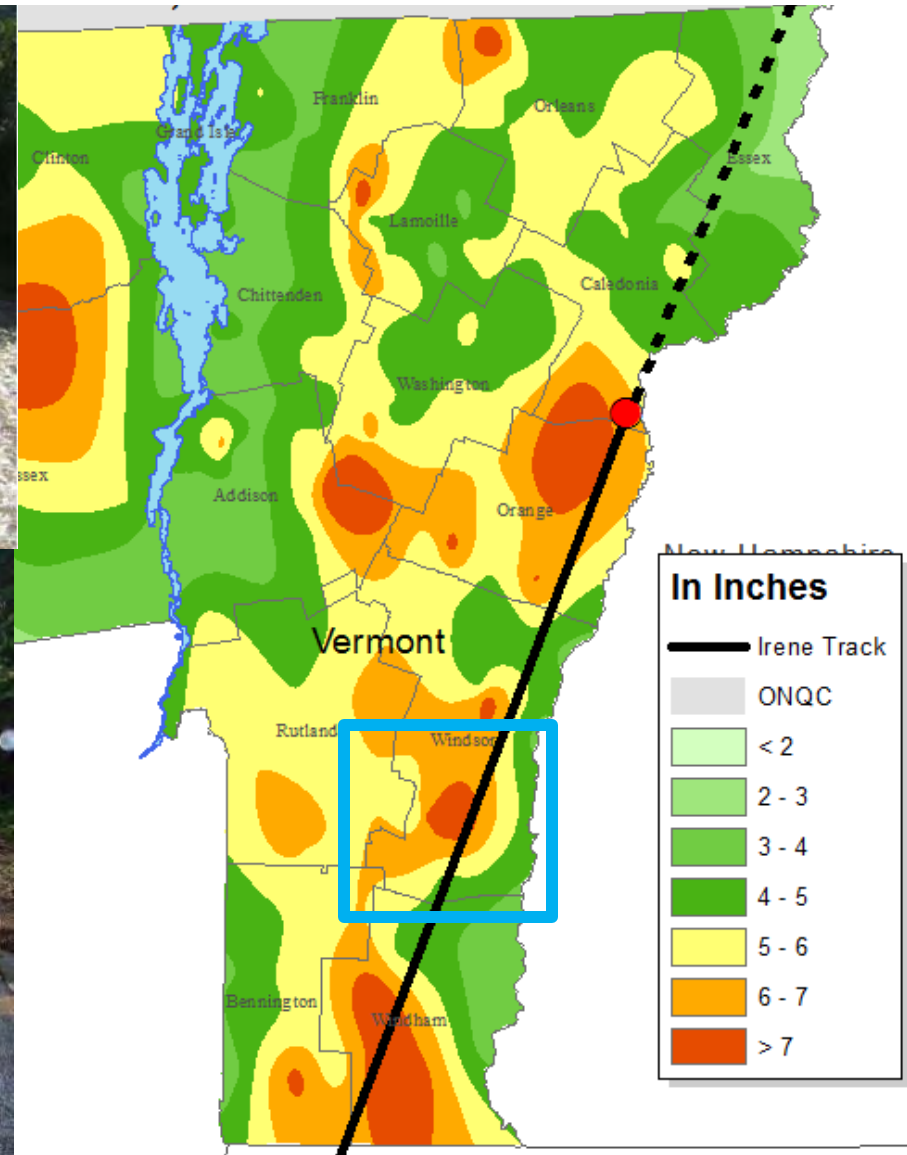
Road Segments, Bridges, Culverts  
Open But Damaged

Road Segments, Bridges, Culverts  
Closed or Emergency Vehicle Only

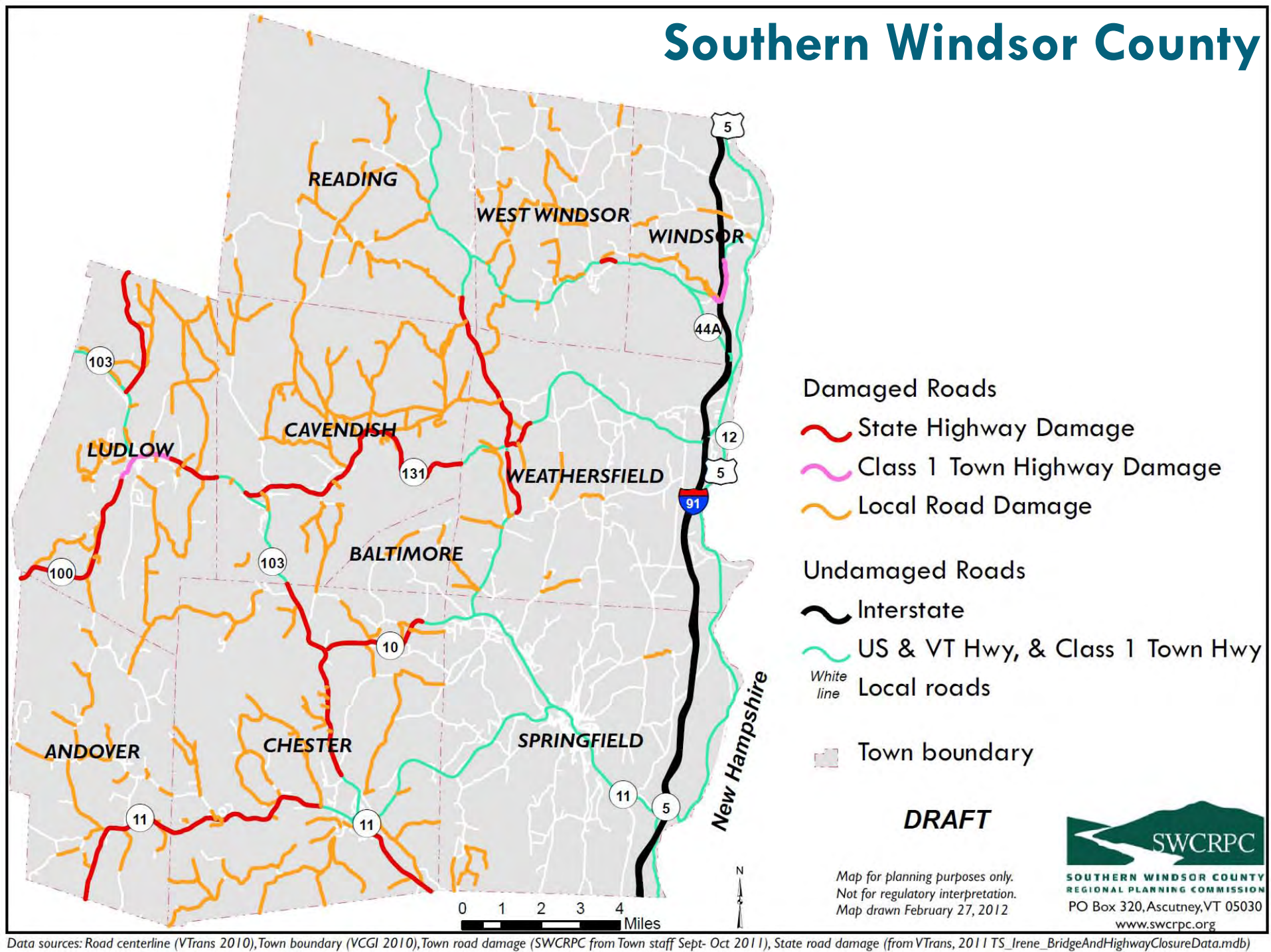


Maps produced by Pam Brangan at the Irene Local  
Roads Response Resource Coordination Center.  
9/30/2011. [pbrangan@ccrcvt.org](mailto:pbrangan@ccrcvt.org)

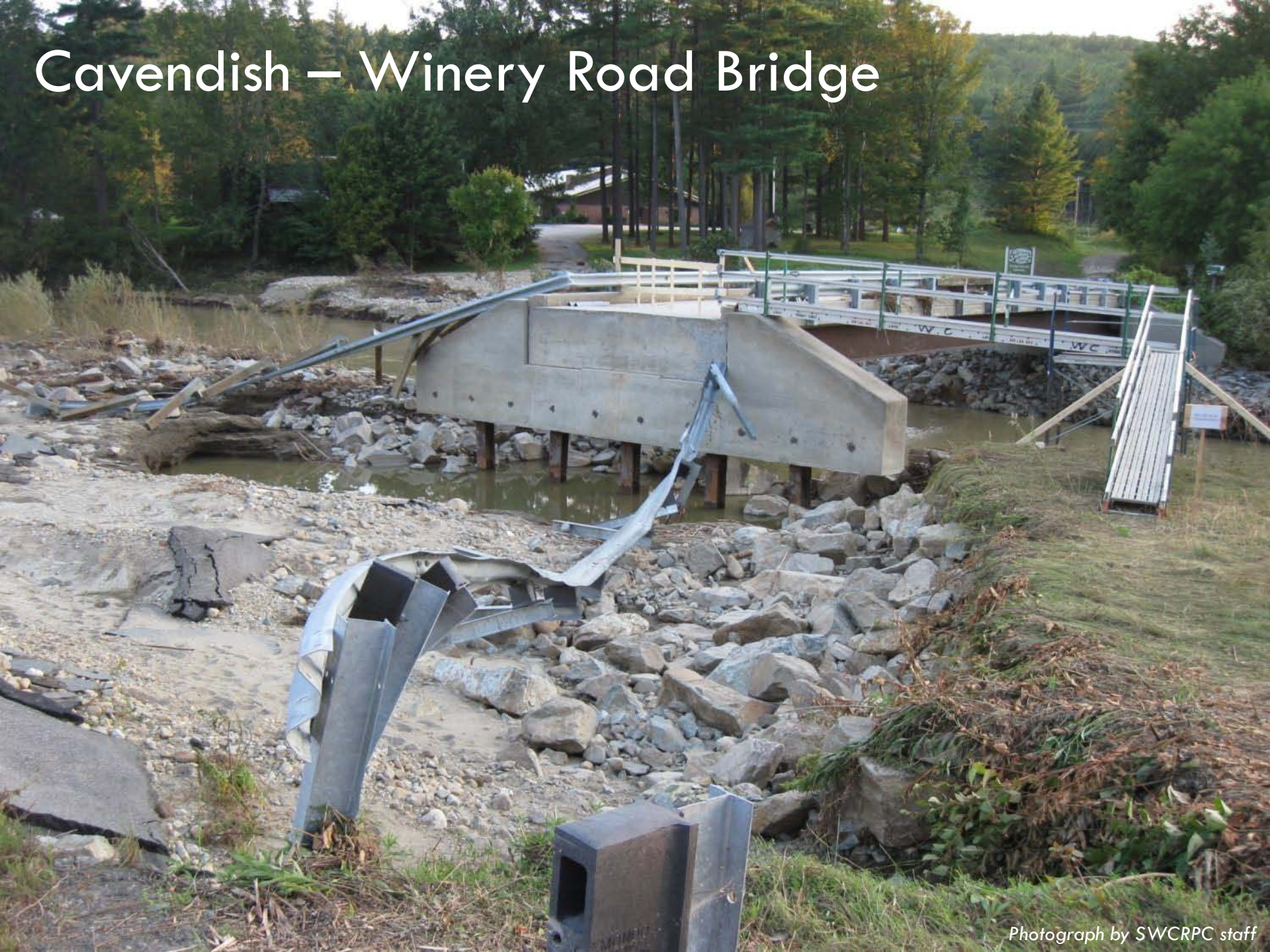
# Case Study – Southern Windsor County



# Southern Windsor County



# Cavendish – Winery Road Bridge



# Cavendish – Carlton Road





Windsor — Brook Road

*Photograph by SWCRPC staff*



# Weathersfield — Upper Falls Road

*Photograph by SWCRPC staff*

# “Cavendish Canyon” on VT-131



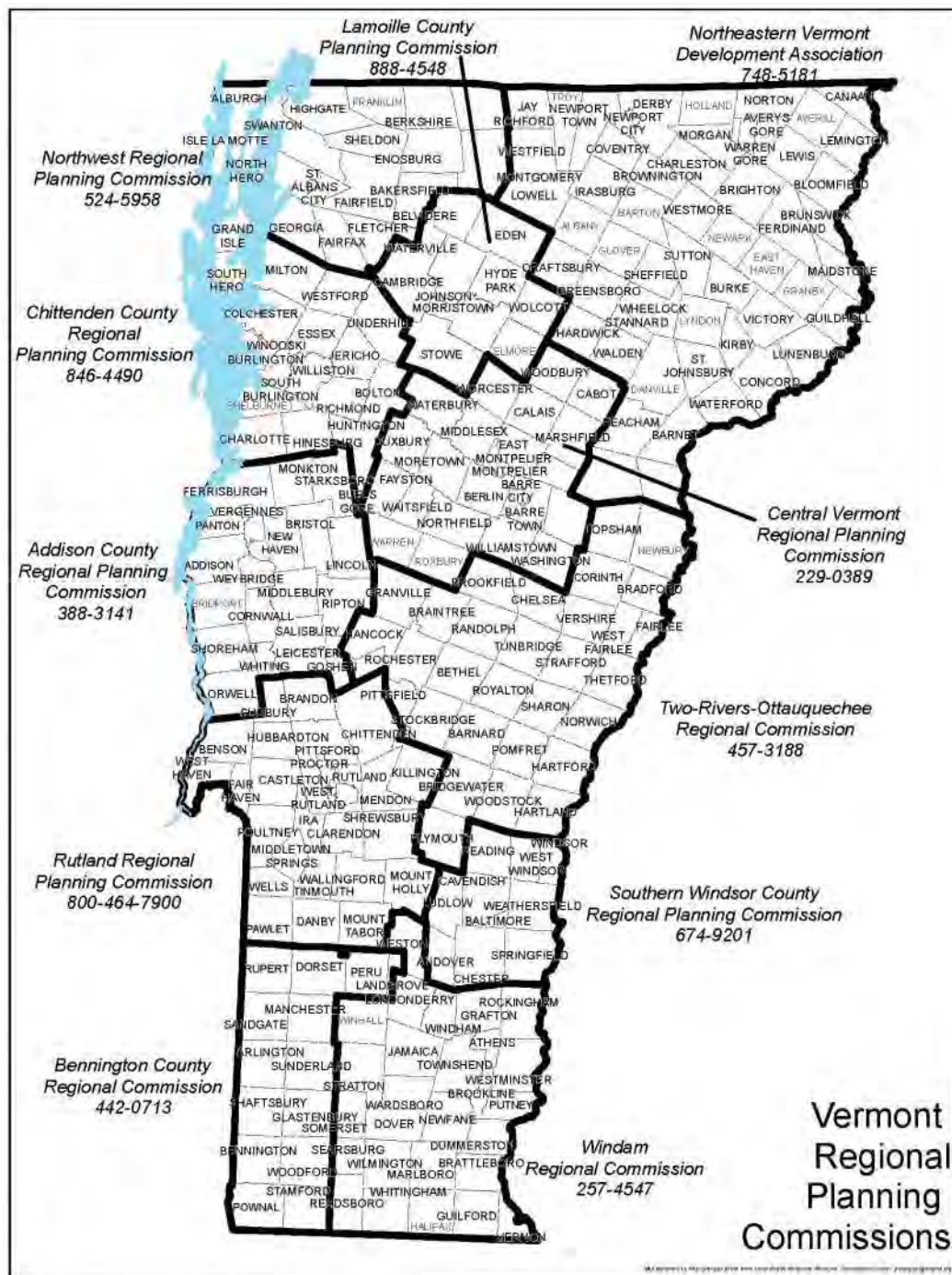
# VT-106 in Weathersfield



# The RPC's task



*Photograph from Town of Weathersfield facebook page*



# Traditional Role of Vermont's RPCs

- Coordinated regional planning
- Transportation planning
- Local land use planning & zoning
- Emergency planning & preparedness
- Natural resource planning
- GIS mapping & analysis

# Transportation role of RPCs

Primarily funded through the “Transportation Planning Initiative” (FHWA funding through VTrans)

Sample of tasks which were relevant post-Irene:

- ❑ Infrastructure inventories – bridges, culverts, roads
- ❑ Facilitating regional road foreman meetings
- ❑ Traffic counts
- ❑ Regular involvement in project development and prioritization
- ❑ Project management
- ❑ Map making and data management

# What was our task?

- VTrans requested assistance from Vermont's 11 RPCs
- Specific tasks
  - ▣ Mapping & data collection
  - ▣ Resource matching
  - ▣ Communications
  - ▣ FEMA PA assistance
  - ▣ Technical assistance



# 1. RPC work in the field

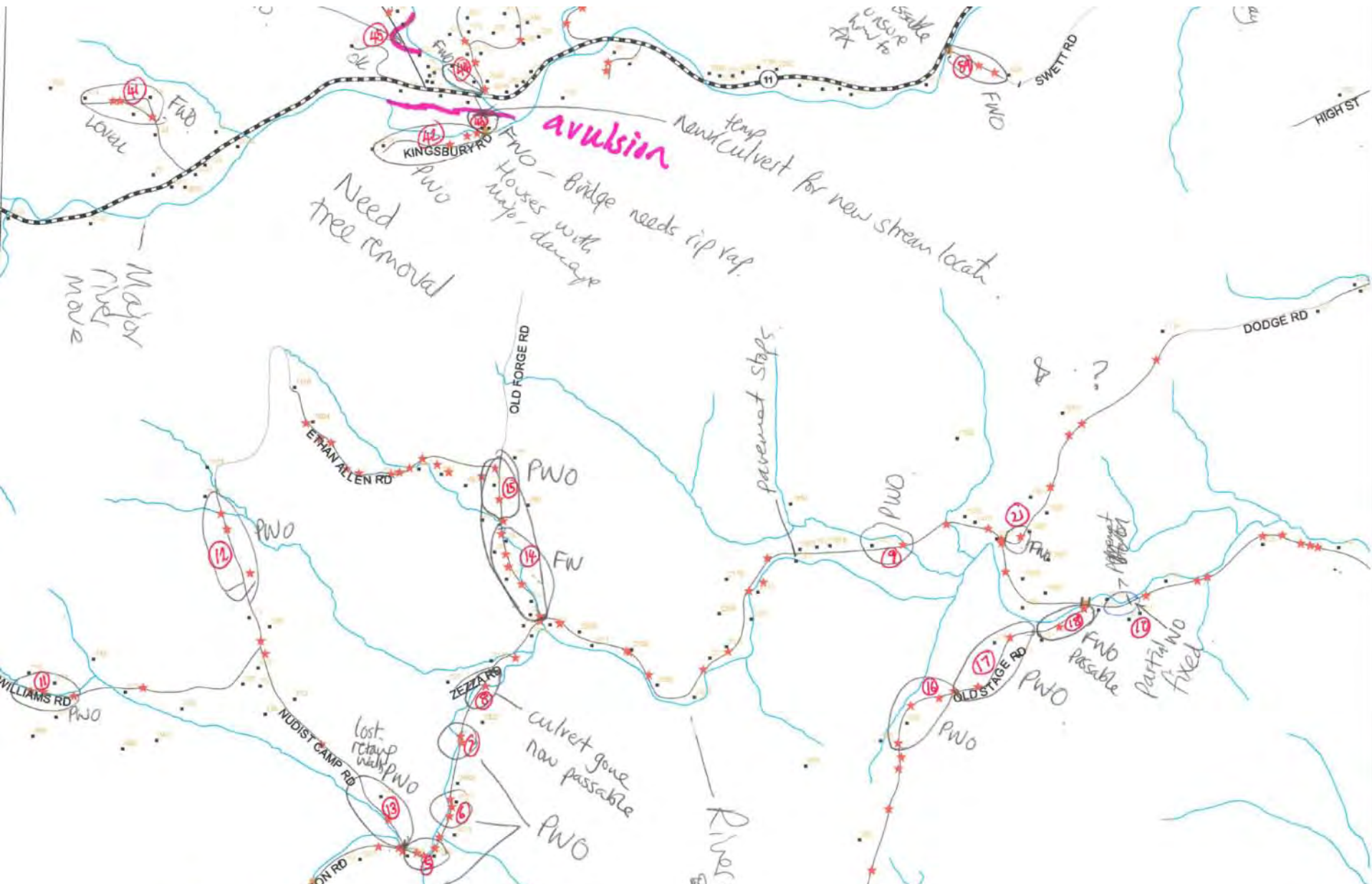
- Detailed inventory of every damaged road segment
- Inventory damaged bridges
- Inventory damaged culverts where possible

## 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 ( <i>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</i> ): _____	Town Contact: _____
_____	Title/Position: _____
_____	Recorded by: _____
_____	Date: _____
Bridge/Culvert Number: _____	Municipal Repair Priority: _____
Length (feet) of Segment (for roads): _____	<input type="checkbox"/> High <input type="checkbox"/> Medium <input type="checkbox"/> Low
	Residences Stranded: <input type="checkbox"/> Yes
	How Many: _____
Facility Type: ( <i>check all that apply</i> ): <input type="checkbox"/> Road <input type="checkbox"/> Bridge* <input type="checkbox"/> Culvert <input type="checkbox"/> Other Highway	
*Will a Temporary Bridge be needed before Winter? <input type="checkbox"/> Yes Length in feet if known: _____	
Status: <input type="checkbox"/> Closed <input type="checkbox"/> Emergency vehicle only <input type="checkbox"/> Open with lane/weight restriction	
<input type="checkbox"/> Open, repair needed <input type="checkbox"/> Open, Fixed	
If facility is closed, is a detour route in place? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Will the detour be in place for more than one week? <input type="checkbox"/> Yes	
Damage description: _____	
_____	
_____	
Have temporary repairs been made: <input type="checkbox"/> Yes <input type="checkbox"/> No Cost of Temporary Repairs _____	
Describe temporary repairs: _____	
Does Town need assistance in getting repairs started? <input type="checkbox"/> Yes	
Describe resources needed: _____	
_____	
_____	

## Example field sheet from Chester



# FEMA PA Program Roll Out

- ❑ Scheduling Applicant's Briefings & Kick Off Meetings
- ❑ Request for Public Assistance Forms Tracking
- ❑ Coordination of Local Paperwork for FEMA PA Visits
- ❑ Provision of Maps & Base Data for FEMA Teams
- ❑ Attendance at PA Site Visits as Needed