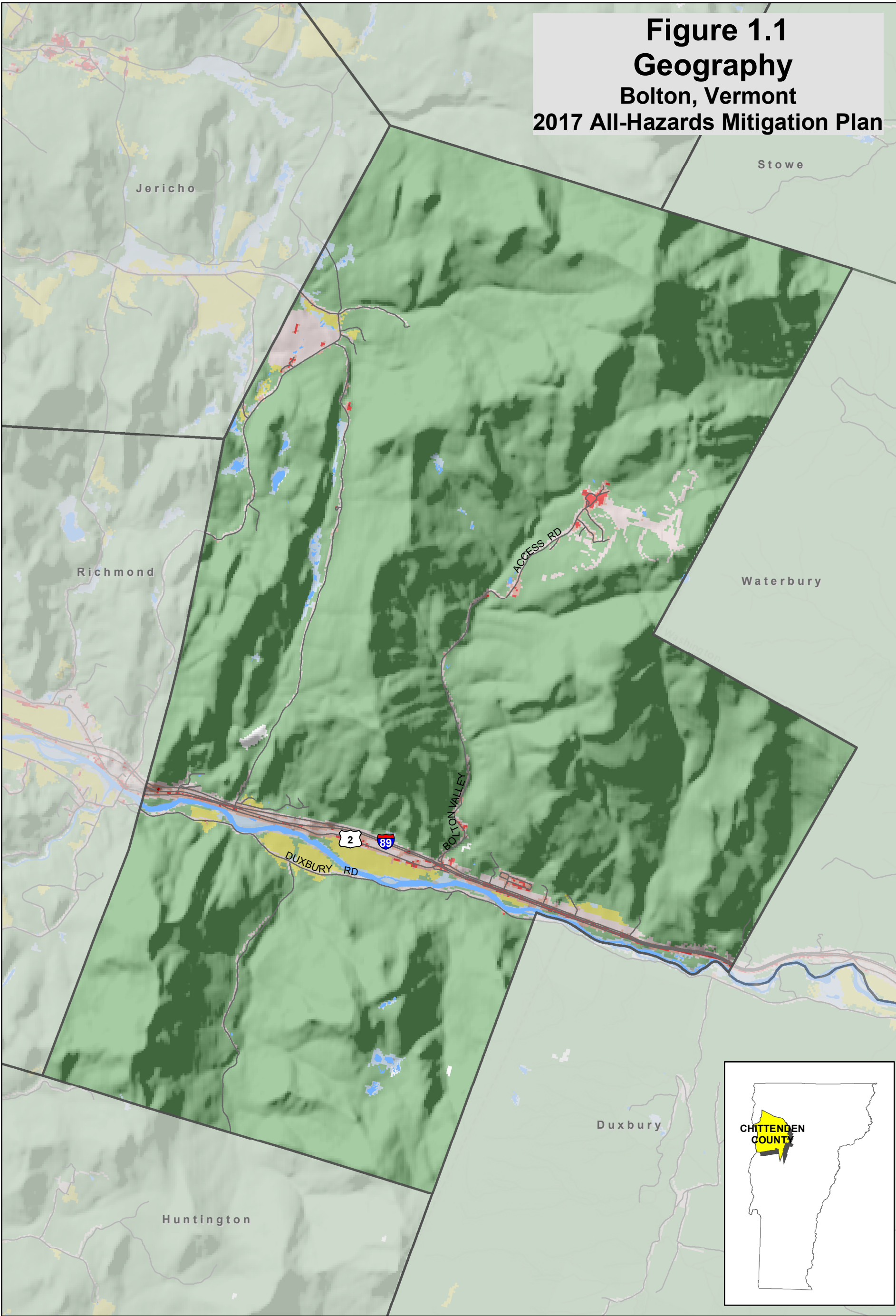






Figure 1.1
Geography
Bolton, Vermont
2017 All-Hazards Mitigation Plan



Land Cover

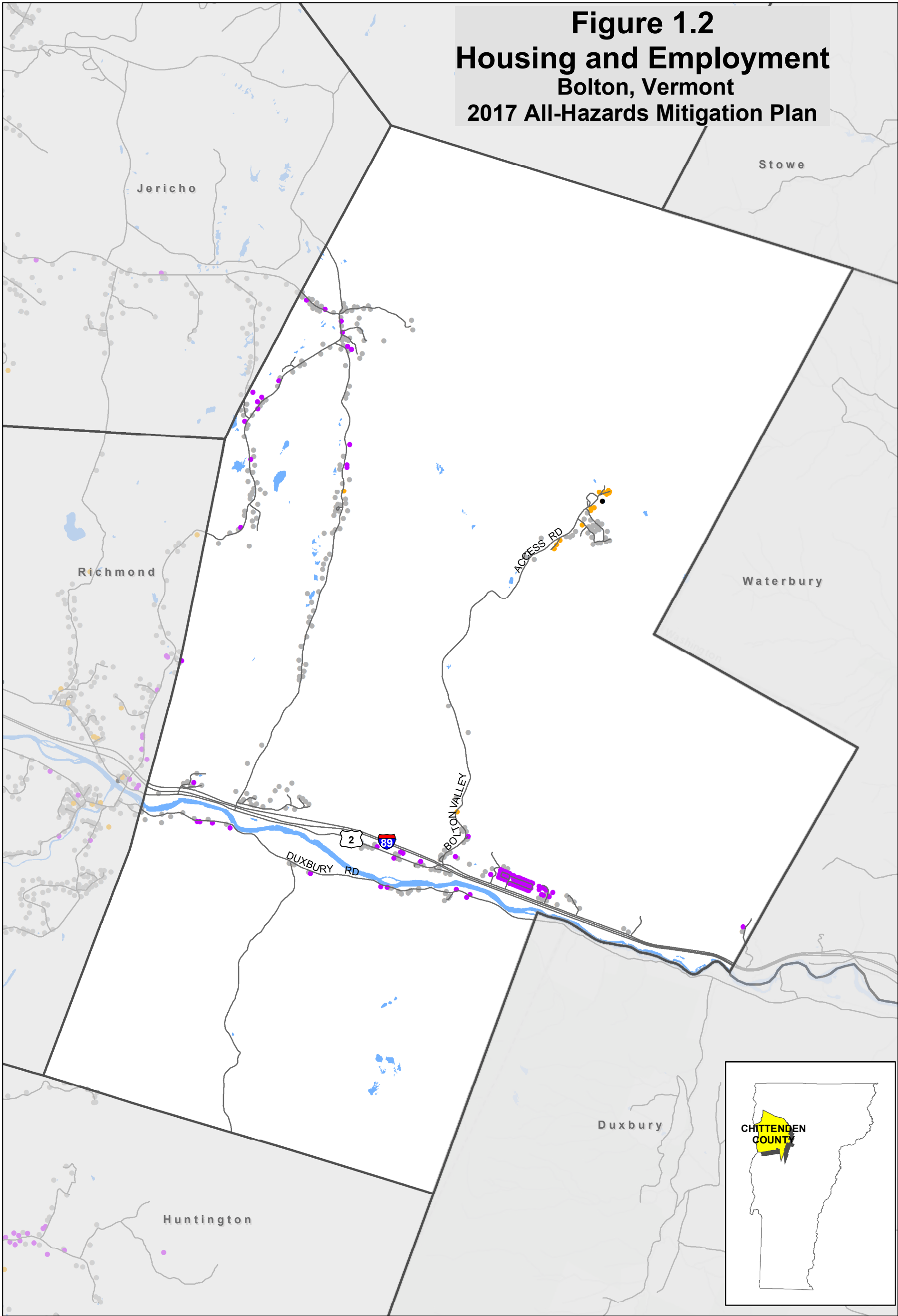
- | | |
|---|---|
|  Developed, Open Space |  Barren Land |
|  Developed, Low Intensity |  Forest |
|  Developed, Medium Intensity |  Pasture/Crops |
|  Developed, High Intensity |  Wetlands |

DATA SOURCES:
Land Cover - NLCD, 2011
Hillshade - VCGI

0 0.5 1 2 Miles



Figure 1.2
Housing and Employment
Bolton, Vermont
2017 All-Hazards Mitigation Plan



Housing

- Mobile Home
- Multi-family
- Single Family
- ◆ Congregate Housing*

● Employment Locations

*Congregate Housing includes:
Nursing Homes, Assisted Living
Residence, Therapeutic Community
Residence, and Level III Residential
Care Homes.

DATA SOURCES:
Mobile Home, Multi-family, Single-family- E911,2015
Employment Locations -CCRPC, 2013
Congregate Housing-VT Dept. Aging, Independent Living, 2015

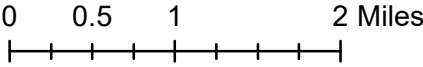
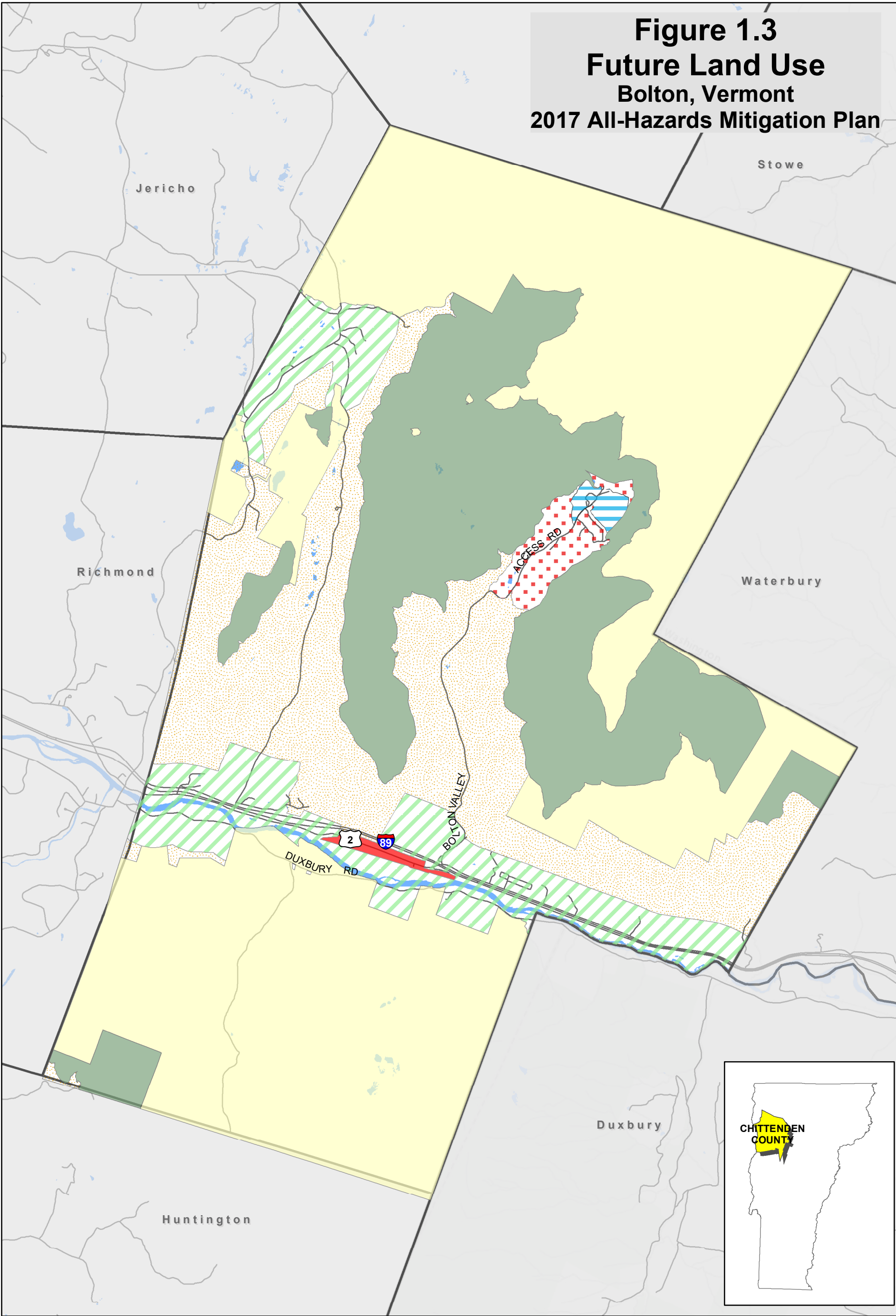


Figure 1.3
Future Land Use
 Bolton, Vermont
 2017 All-Hazards Mitigation Plan



Zoning District

Zoning District

- Village
- Resort Residential
- Resort Village

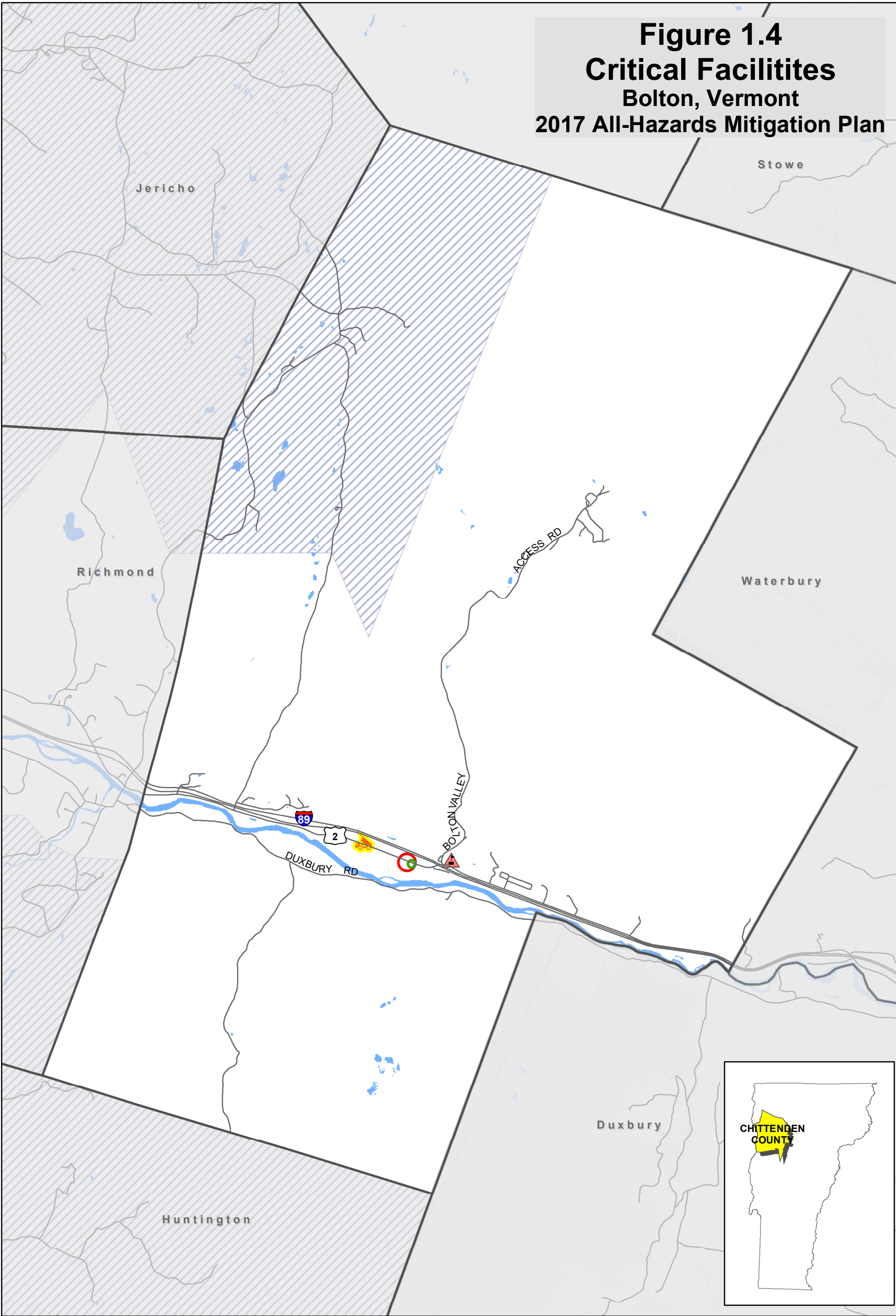
- Rural I
- Rural II
- Conservation
- Forest
















DATA SOURCES:
 Zoning, 2016

0 0.5 1 2 Miles




Figure 1.4
Critical Facilities
Bolton, Vermont
2017 All-Hazards Mitigation Plan



Name of Facility		Electric Utility	
	Town Garage		Burlington Electric Dept.
	School		Green Mountain Power
	College / University		Vermont Electric Co-op
	Law Enforcement		Vermont Gas Service Area
	Municipal Office		Sewer Service Area
	EMS		Water Service Area
	Fire		
	Emergency Shelter		
	Water and Wastewater Treatment Facility		

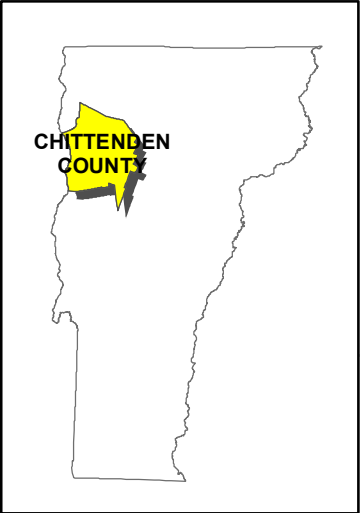
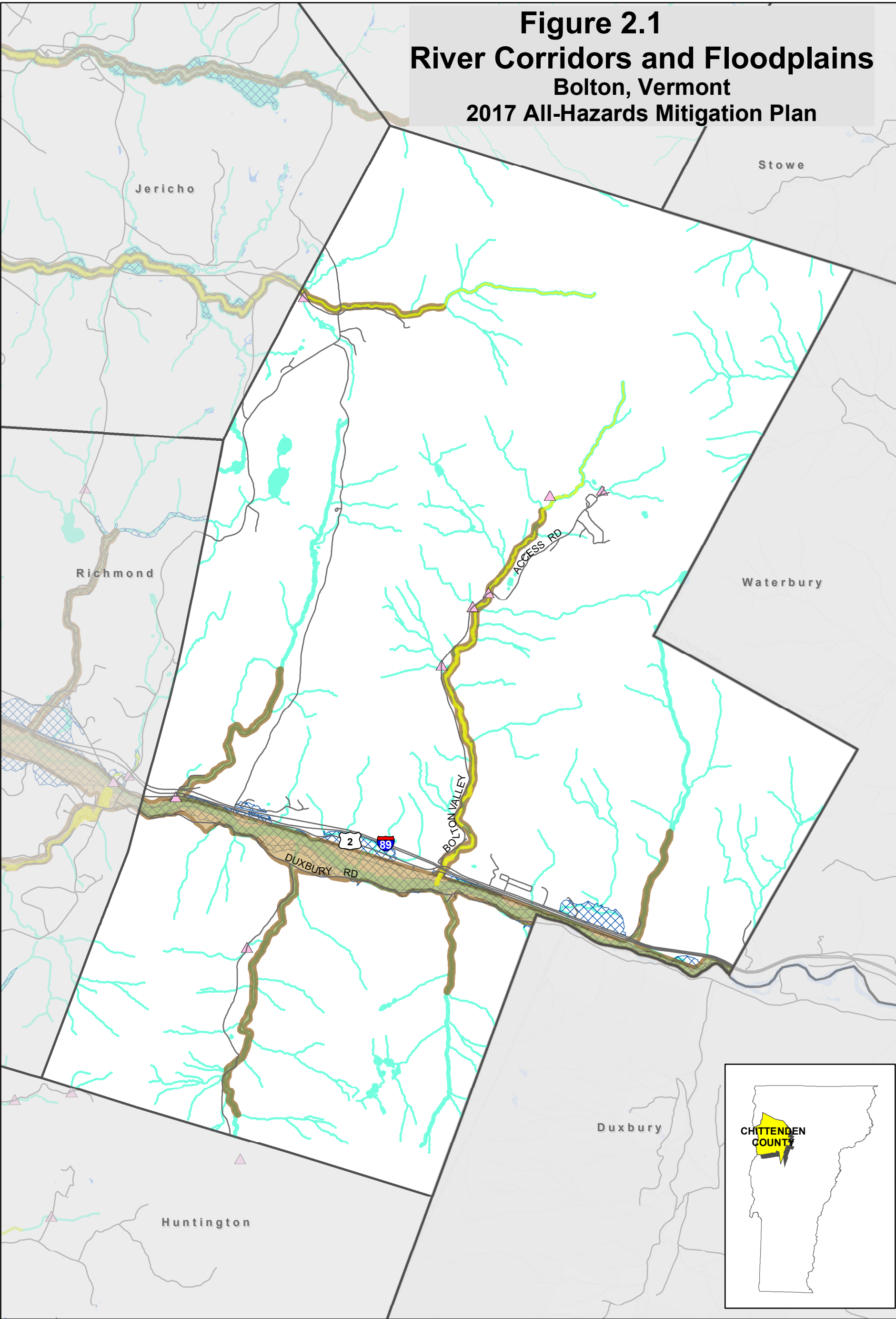
DATA SOURCES:
Schools, Law Enforcement, Municipal Office, EMS, Fire, Wastewater Facility - Critical Facilities, 2014, CCRPC
Electric Utility Franchise Areas - VCGI
Vermont Gas data - VT Gas 2016
Water Service Area- CCRPC, 2016
Sewer Service Area-CCRPC, 2012

0 0.5 1 2 Miles



Document Path: D:\Projects\16\AHMP\Final_Towns\CriticalFacilities\CriticalFacilitiesPortrait_Bolton_20170329.mxd

Figure 2.1
River Corridors and Floodplains
Bolton, Vermont
2017 All-Hazards Mitigation Plan



National Inventory of Dams

DamStatus

- In Service
- Breached

Geomorphically Incompatible Culvert

Compatibi

- Mostly Incompatible*
- Fully Incompatible**

River Corridor Protection Area

ANR River Corridor - January 2015

*Mostly incompatible 5<GC<10
% Bankfull Width + Approach Angle scores < 2 - Structure mostly incompatible with current form and process, with a moderate to high risk of structure failure. Re-design and replacement planning should be initiated to improve geomorphic compatibility.

**Fully incompatible 0<GC<5
% Bankfull Width + Approach Angle scores < 2 AND Sediment Continuity + Erosion and Armoring scores < 2 - Structure fully incompatible with channel and high risk of failure. Re-design and replacement should be performed as soon as possible to improve geomorphic compatibility.

Digital Flood Insurance Rate Map

- Special Flood Hazard Area (100 Year Floodplain)
- View individual Municipal Regs for detail

DATA SOURCES:
Dams data from US Army Corps of Engineers; Insufficient structures derived from ANR geomorphology inventories. River Corridor Protection Area equals a rivers meander belt (also known as Fluvial Erosion Hazard Area). River Corridor equals a rivers meander belt plus buffer extension. See Floodready.vermont.gov for more detail
FEMA DFIRM - developed in 2011 by FEMA consultant
Municipal Water Protection Buffers & Setbacks derived from municipal zoning regulations.

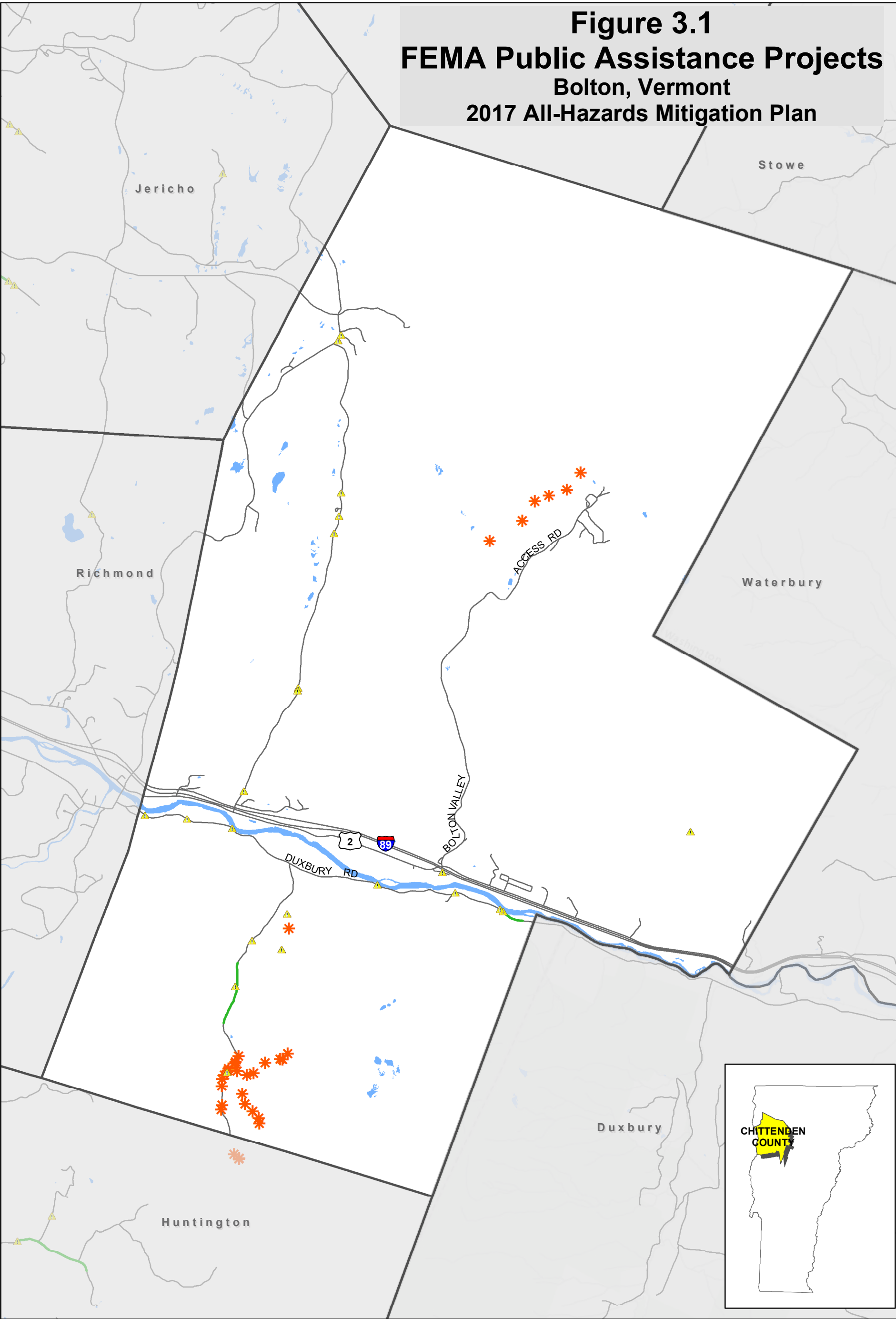
0 0.5 1 2 Miles

N

50 CHITTENDEN COUNTY RPC
Communities Planning Together

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Figure 3.1
FEMA Public Assistance Projects
Bolton, Vermont
2017 All-Hazards Mitigation Plan



Public Assistance Category			
	Debris Removal		Water Control Facilities (Stormwater Management)
	Debris Removal		Protective Measures
	Roads & Bridges		Public Buildings
	Recreational or Other		Public Utilities
	Recreational or Other		

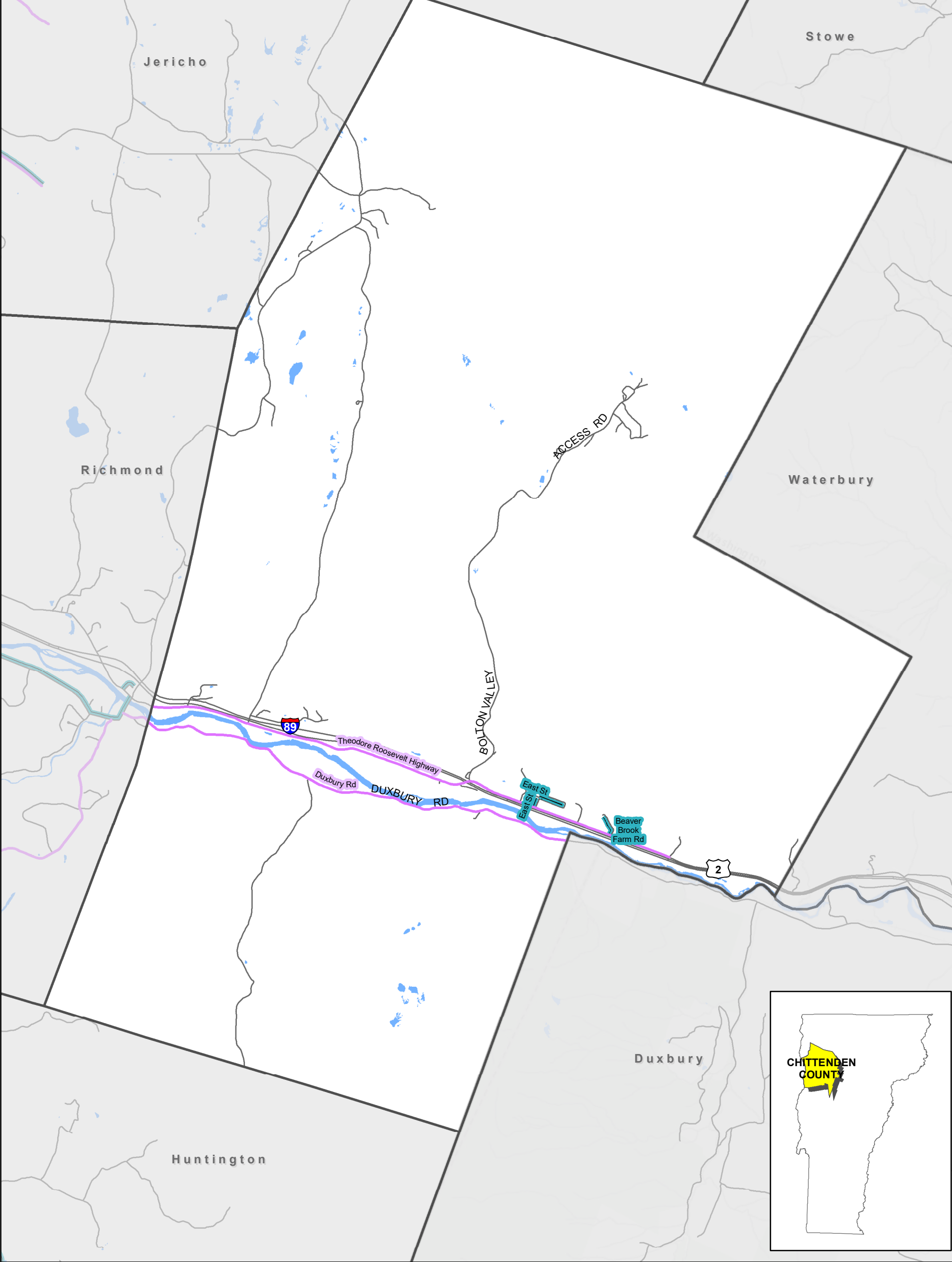
Note*: Some Debris removal and protective measures locations are shown at the location of the municipal office. This indicates assistance was at various locations throughout the municipality not that damages were incurred at the office.

Data Sources:
Public Assistance Project Locations-FEMA, 2015

0 0.5 1 2 Miles

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Figure 3.1.1
FEMA Individual Assistance Locations
Bolton, Vermont
2017 All-Hazards Mitigation Plan



Number of Claims

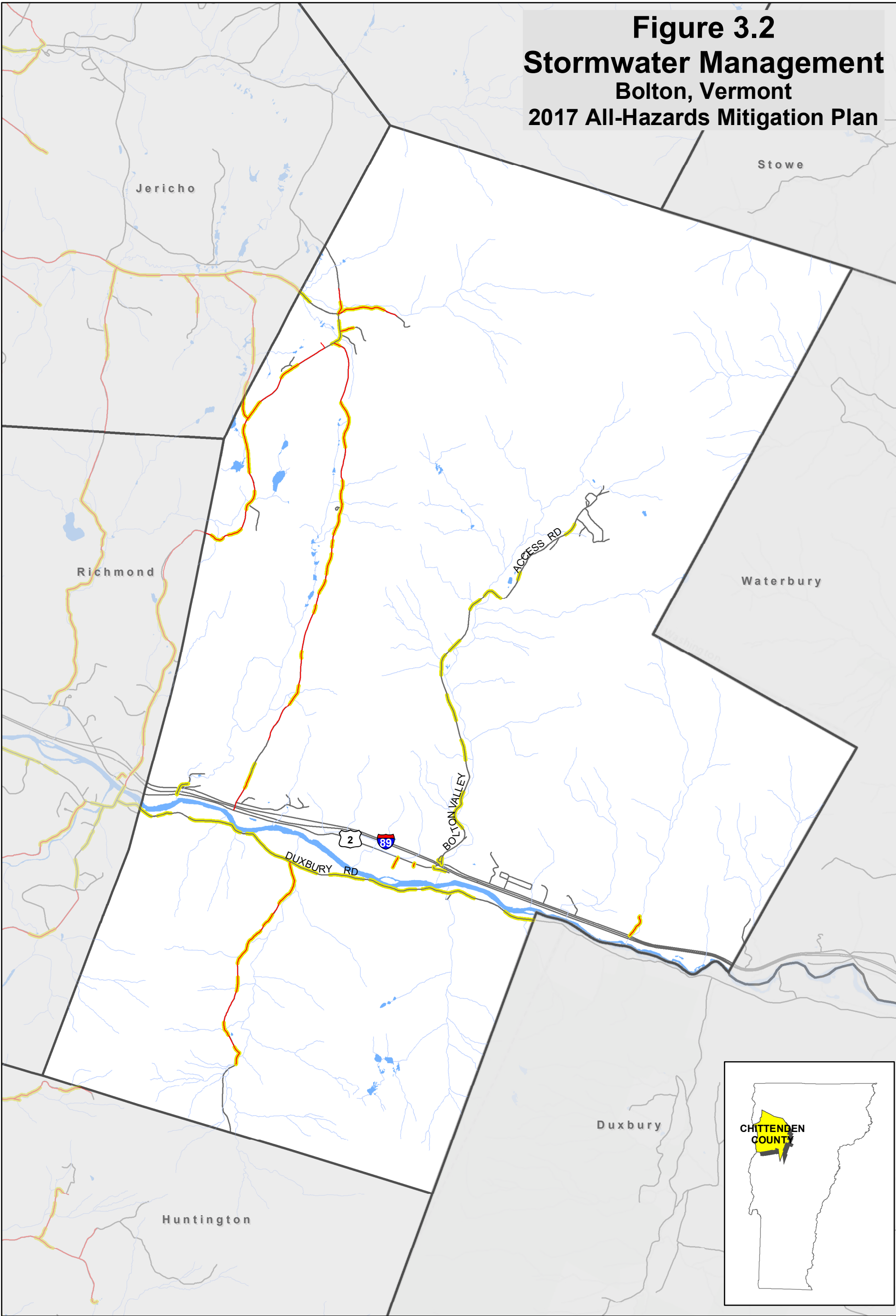
June 2011 Disaster	September 2011 Disaster
1 - 2	1 - 2
3 - 4	3 - 4
5 - 6	

DATA SOURCES:
Individual Assistance Claims Locations-FEMA, 2015

0 0.5 1 2 Miles



Figure 3.2
Stormwater Management
Bolton, Vermont
2017 All-Hazards Mitigation Plan



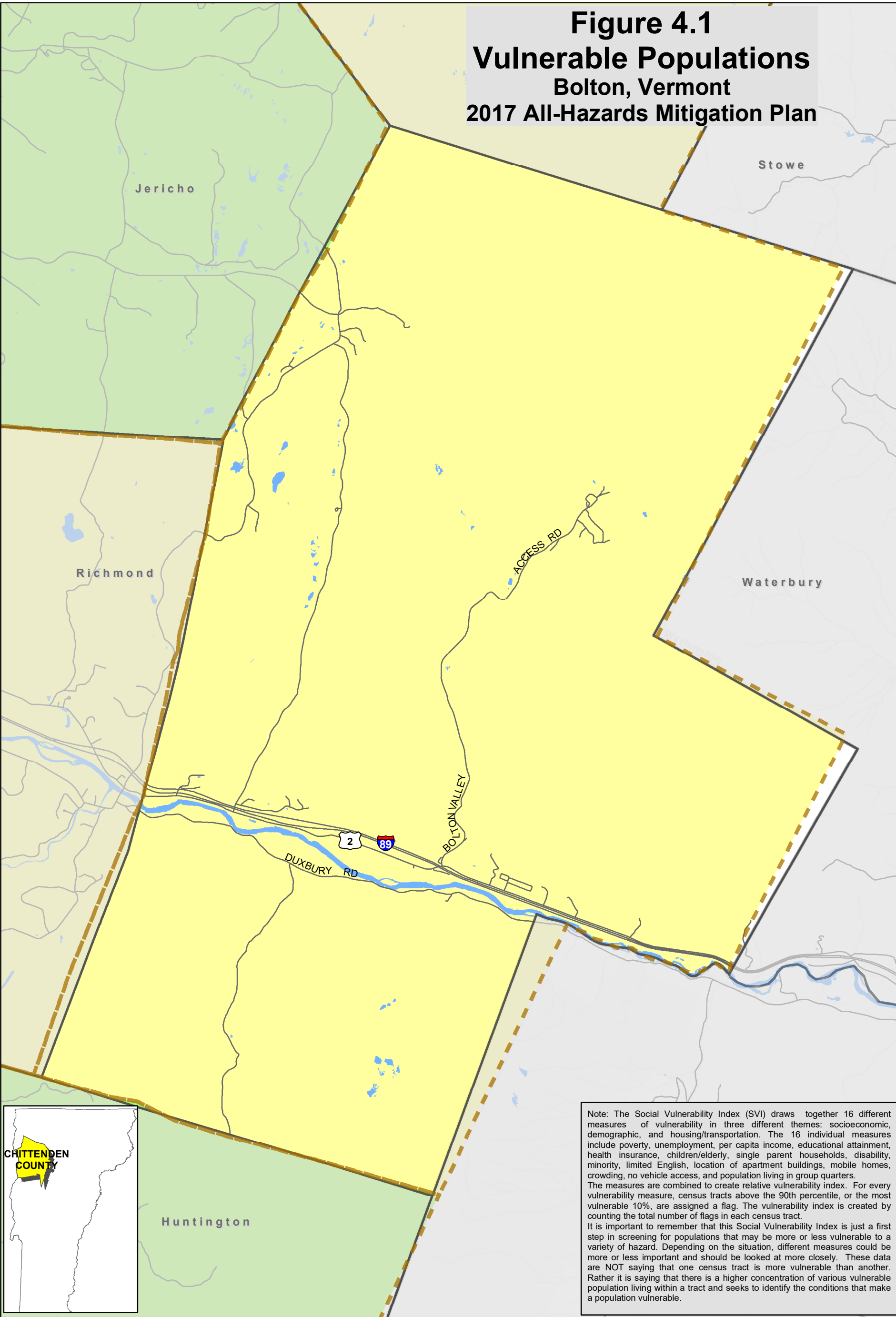
- Paved Road
- Stream Centerline
- Gravel or Class 4 Road
- Hydrologically Connected Road Segment

DATA SOURCES:
Hydrologically Connected Roads - ANR, 2016
Paved, Gravel & Class 4 Roads - VTrans
MS4 area - ANR
Priority Surface Waters - 2014 List of Priority Surface Waters; ANR

0 0.5 1 2 Miles



Figure 4.1
Vulnerable Populations
Bolton, Vermont
2017 All-Hazards Mitigation Plan



Note: The Social Vulnerability Index (SVI) draws together 16 different measures of vulnerability in three different themes: socioeconomic, demographic, and housing/transportation. The 16 individual measures include poverty, unemployment, per capita income, educational attainment, health insurance, children/elderly, single parent households, disability, minority, limited English, location of apartment buildings, mobile homes, crowding, no vehicle access, and population living in group quarters. The measures are combined to create relative vulnerability index. For every vulnerability measure, census tracts above the 90th percentile, or the most vulnerable 10%, are assigned a flag. The vulnerability index is created by counting the total number of flags in each census tract. It is important to remember that this Social Vulnerability Index is just a first step in screening for populations that may be more or less vulnerable to a variety of hazard. Depending on the situation, different measures could be more or less important and should be looked at more closely. These data are NOT saying that one census tract is more vulnerable than another. Rather it is saying that there is a higher concentration of various vulnerable population living within a tract and seeks to identify the conditions that make a population vulnerable.

Social Vulnerability Index

Score by Census Tract

0	1	2	3	4 - 5	6 - 10
---	---	---	---	-------	--------

Census Tract Boundary**

**Westford, Underhill, and Bolton are contained within one census tract. St. George and Hinesburg share the same census tract boundary. Huntington and Buels Gore also consist of one tract. All the other municipalities are broken down by one or more tracts. More urban communities have many more tracts as the optimal population for tract is 4,000 people. The minimum population threshold is 1,200 and the maximum is 8,000.

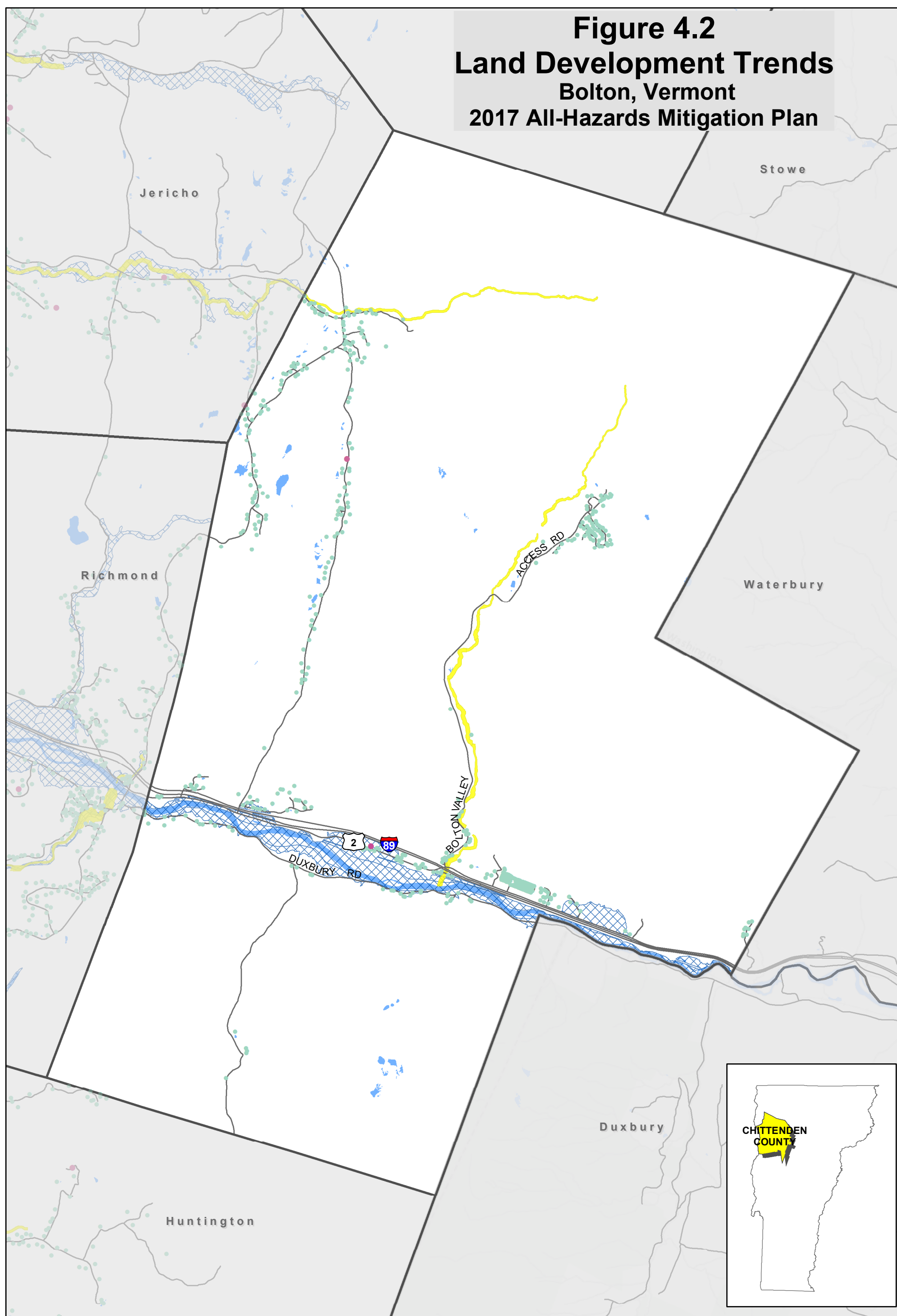
DATA SOURCES:
Social Vulnerability Index, VDH, 2015
Census Tracts, US Census

0 0.5 1 2 Miles

Document Path: D:\Projects\16\AHMP\Final_Towns\VulnerablePopulation\VulnerablePopPortrait_20160930.mxd

50 CHITTENDEN COUNTY RPC
Communities Planning Together

Figure 4.2
Land Development Trends
Bolton, Vermont
2017 All-Hazards Mitigation Plan



Year Built for Residential and Non-residential Development

- Built 2010 or earlier
- Built 2011-2014
- ▨ Special Flood Hazard Area (100 Year Floodplain)
- River Corridor Protection Area (FEH)

DATA SOURCES:
Housing Units - CCRPC, 2014
CI Data-CCRPC, 2014
Special Flood Hazard Area - developed in 2011 by FEMA
River Corridor equals a rivers meander belt plus buffer extension.
See Floodready.vermont.gov for more detail

0 0.5 1 2 Miles

