

Charles Watershed Workmap Index Middlesex County, Massachusetts

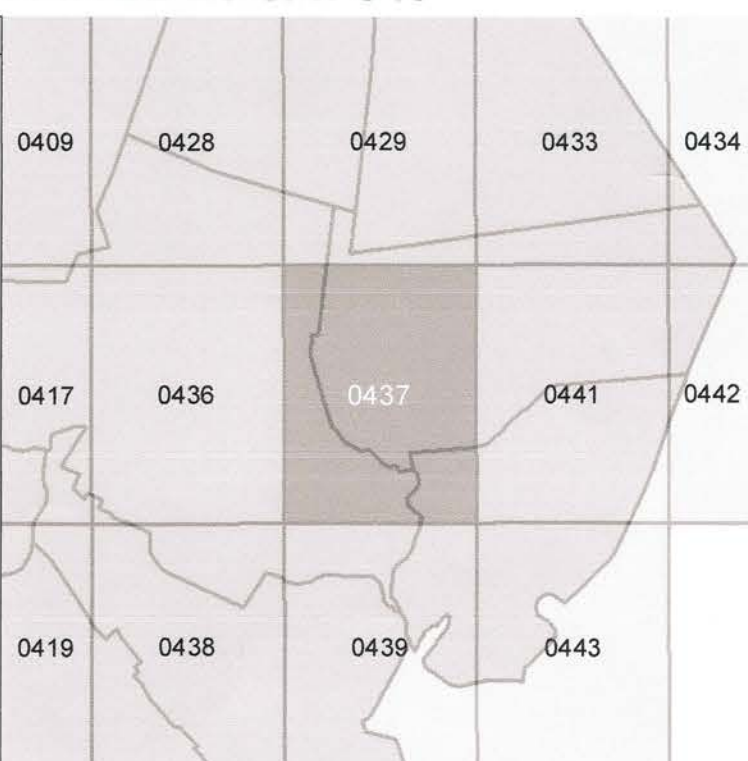
- Flooding sources**
- Base (approximate)
 - Enhanced (detailed) - new study
 - Enhanced (detailed) - redelineation
- FIRM panels**
- ▨ Not updated
 - Updated
- New floodplains**
- Zone type**
- A
 - AE
 - AH
 - AO
 - X



LEGEND

Proposed Study	Effective Study
302 Red Base Flood Elevations Shown On New Study Reaches Only	Base Flood Elevation (BFE) line and water elevations in feet
Structures	Cross Section line
Profile Baseline	Coastal Transient line
Watershed Boundary	Current
ZONE A (Approximate Flooding)	1% Annual Exceedance Floodway boundary
ZONE AO (1% Shallow Flooding)	0.2% Annual Exceedance Floodway boundary
ZONE AE (Detailed Flooding)	Floodway boundary
ZONE AE with Floodway	100 Year Floodway
ZONE VE (1% Coastal Flooding)	1% Special Flood Hazard Area (SFHA)
ZONE X (0.2% Flooding)	Highway Area in A100 AP
	Water Body Area
	Waterway crossing (SMA, Private use, boundary, drinking water)
	44' Minimum Flood Protection, Flood elevation or flood conditions
	1 foot of Maximum Water Action
	1 foot of Maximum Water Action distributed with Zone X

PANEL LOCATOR



COMMENTS

The new Base Flood Elevations (BFEs) are shown in red on this map. Newly modeled cross-sections are also shown in blue. Updated community boundaries are shown in yellow.

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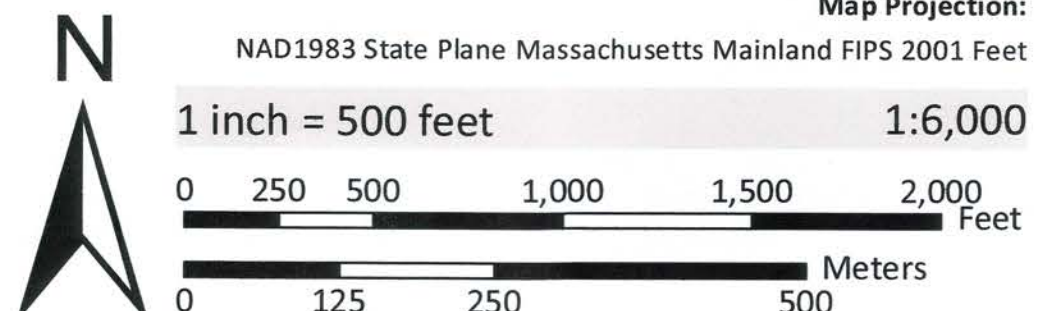
RIVERINE WORKMAP

MIDDLESEX COUNTY, MA

PANEL 0437 of 0656

Panel Contains:
 COMMUNITY
 EVERETT, CITY OF
 MALDEN, CITY OF
 MEDFORD, CITY OF

NUMBER
 250192
 250202
 250205



SCALE 1:6,000
 MAP NUMBER 25017C0437F
 RELEASE DATE 07/09/2018

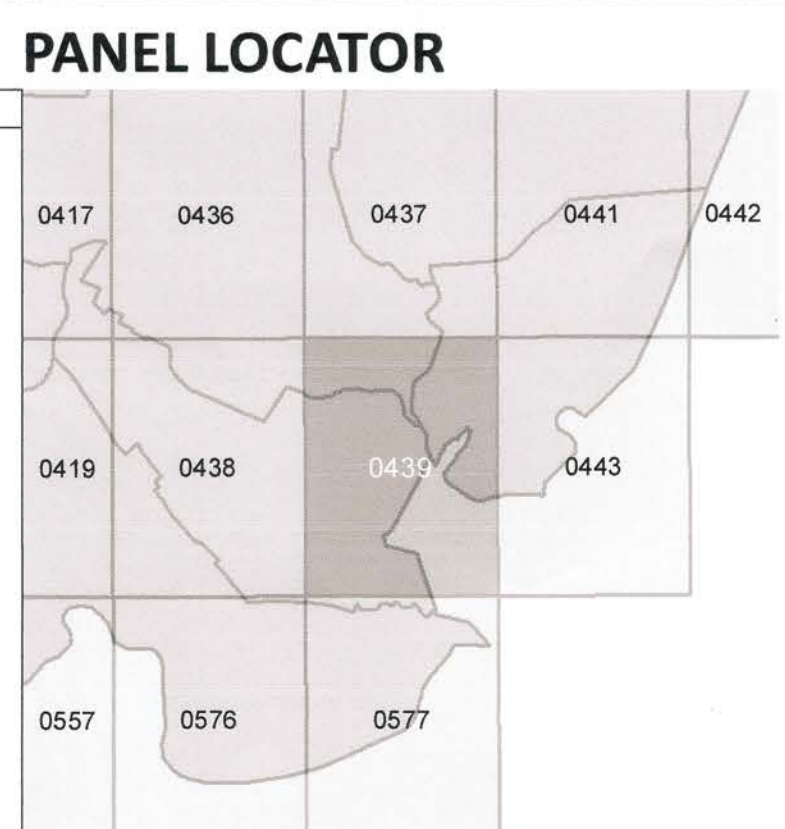


LEGEND

Proposed Study	
302	Red Base Flood Elevations Shown On New Study Reaches Only Structures
---	Profile Baseline
---	Watershed Boundary
---	ZONE A (Approximate Flooding)
---	ZONE AO (1% Shallow Flooding)
---	ZONE AE (Detailed Flooding)
---	ZONE AE with Floodway
---	ZONE VE (1% Coastal Flooding)
---	ZONE X (0.2% Flooding)

Effective Study

---	Base Flood Elevation (BFE) line and value, elevation in feet
---	Cross Section line
---	Coastal Easement line
---	Coastal Easement
---	1% Annual Chance Floodplain boundary
---	10% Annual Chance Floodplain boundary
---	Floodway boundary
---	ZONE AO boundary
---	100-year DRA boundary
---	1% Special Flood Hazard Area (SFHA)
---	Floodway Area in Action AP
---	Other Flood Area
---	Boundary showing 50% Area wet in existing condition (50%)
---	40% of 50% Area wet in existing condition, floodway, or flood easement
---	100% of 50% Area wet in existing condition, floodway, or flood easement
---	100% of 50% Area wet in existing condition, floodway, or flood easement



COMMENTS

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RIVERINE WORKMAP

MIDDLESEX COUNTY, MA

PANEL 0439 of 0656

Panel Contains:

COMMUNITY	NUMBER
EVERETT, CITY OF	250192
MEDFORD, CITY OF	250205
SOMERVILLE, CITY OF	250214

USGS science for a changing world

SCALE 1:6,000
MAP NUMBER 25017C0439F
RELEASE DATE 07/09/2018

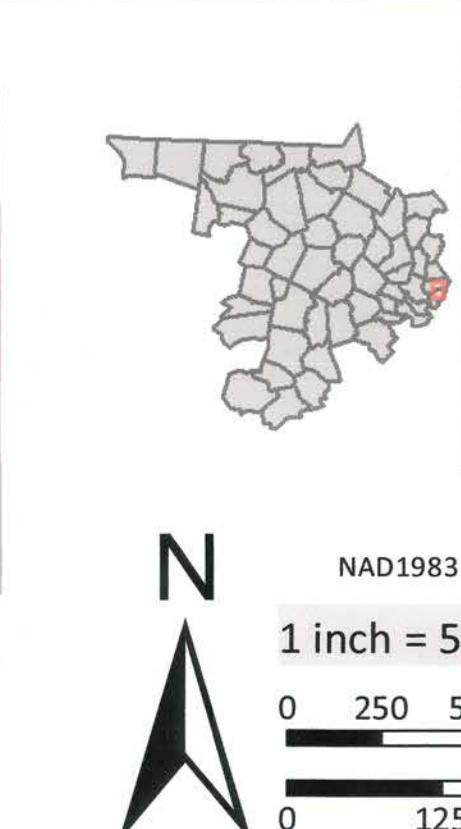
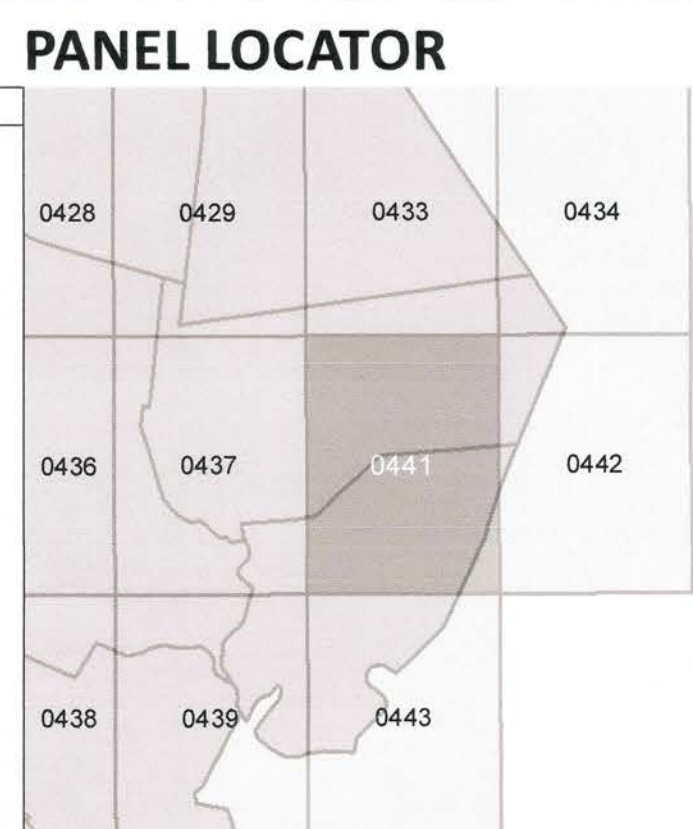


LEGEND

Proposed Study	
	302 Red Base Flood Elevations Shown On New Study Reaches Only Structures
	Profile Baseline
	Watershed Boundary
	ZONE A (Approximate Flooding)
	ZONE AO (1% Shallow Flooding)
	ZONE AE (Detailed Flooding)
	ZONE AE with Floodway
	ZONE VE (1% Coastal Flooding)
	ZONE X (0.2% Flooding)

Effective Study

	Base Flood Elevation (BFE) line and values in feet (on map)
	Coastal Section Line
	Coastal Treatment Line
	Channel
	Stream
	2% Annual Chance Floodplain Boundary
	0.2% Annual Chance Floodplain Boundary
	Floodway Boundary
	Zone AO Boundary
	0.2% Annual Chance Floodplain Boundary
	Other Flood Area
	Historical (Using 2015 Aerial and Inventory Study 2015) 4% Annual Chance Floodplain Boundary, Floodway, or Flood Protection
	100 Year Floodplain (When Active)
	100 Year Floodplain (When Active) (Not to be used with Zone A)



Map Projection:
NAD1983 State Plane Massachusetts Mainland FIPS 2001 Feet
1 inch = 500 feet
1:6,000

RIVERINE WORKMAP

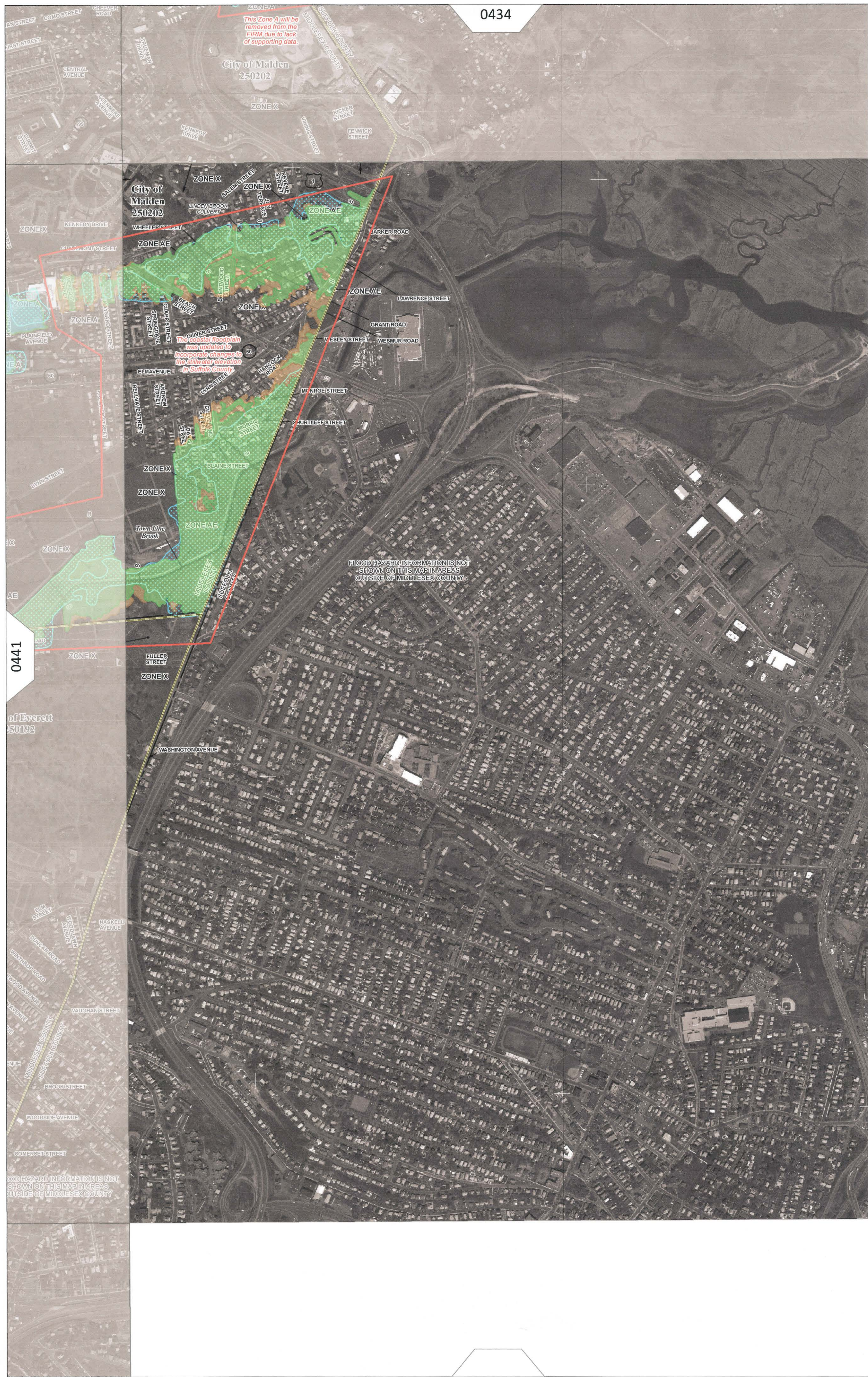
MIDDLESEX COUNTY, MA

PANEL 0441 of 0656

Panel Contains:
COMMUNITY EVERETT, CITY OF MALDEN, CITY OF

NUMBER 250192
250202

SCALE 1:6,000
MAP NUMBER 25017C0441F
RELEASE DATE 07/09/2018



0434

City of Malden
250202

City of Malden
250202

The coastal floodplain was updated to incorporate changes to the sillwater elevation in Suffolk County.

FLOOD HAZARD INFORMATION IS NOT SHOWN ON THIS MAP IN AREAS OUTSIDE OF MIDDLESEX COUNTY.

0441

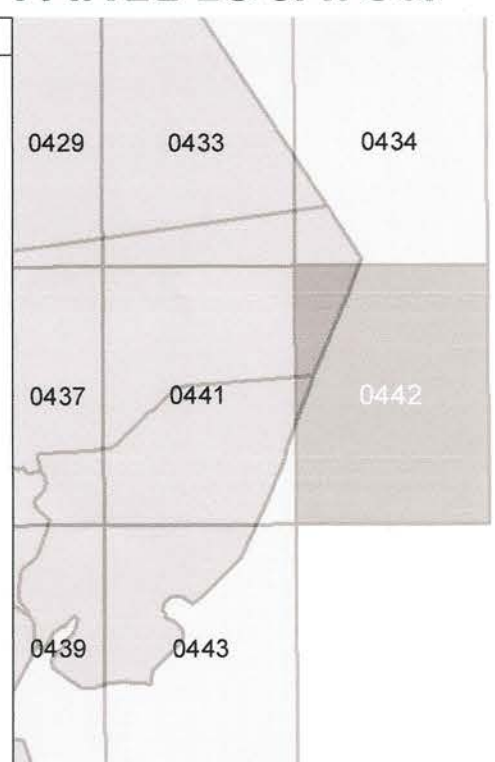
City of Everett
250192

FLOOD HAZARD INFORMATION IS NOT SHOWN ON THIS MAP IN AREAS OUTSIDE OF MIDDLESEX COUNTY.

LEGEND

Proposed Study	Effective Study
302 Red Base Flood Elevations Shown On New Study Reaches Only	Base Flood Elevation (BFE) line and water elevations in feet
Structures	Cross Section line
Profile Baseline	Coastal Turnout line
Watershed Boundary	City
ZONE A (Approximate Flooding)	1% Annual Chance Floodplain boundary
ZONE AO (1% Shallow Flooding)	0.2% Annual Chance Floodplain boundary
ZONE AE (Detailed Flooding)	1% Flood boundary
ZONE AE with Floodway	Zone D boundary
ZONE VE (1% Coastal Flooding)	0.2% Special Flood Hazard Area (SFHA)
ZONE X (0.2% Flooding)	Hazardous Area in Zone AE
	Other Flood Area
	Boundary showing 0.2% Annual Chance Floodplain boundary, 1% Annual Chance Floodplain boundary, or flood boundary
	100 ft of Wetlands When Active
	100 ft of Wetlands When Active (with 100 ft Buffer Zone)

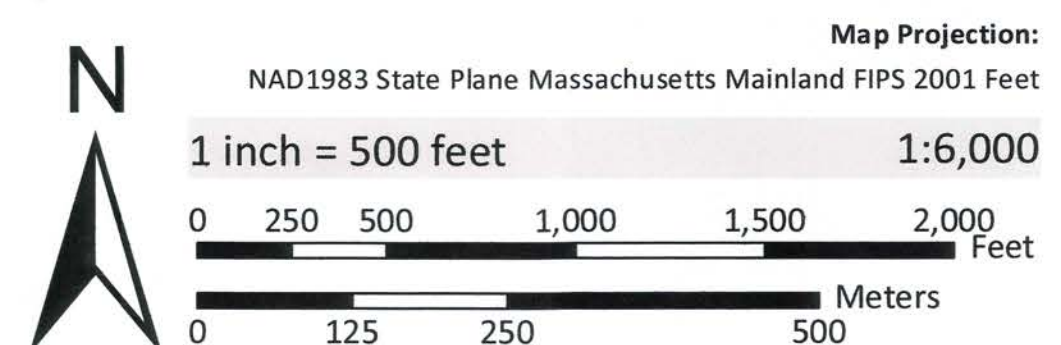
PANEL LOCATOR



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MIDDLESEX COUNTY, MA

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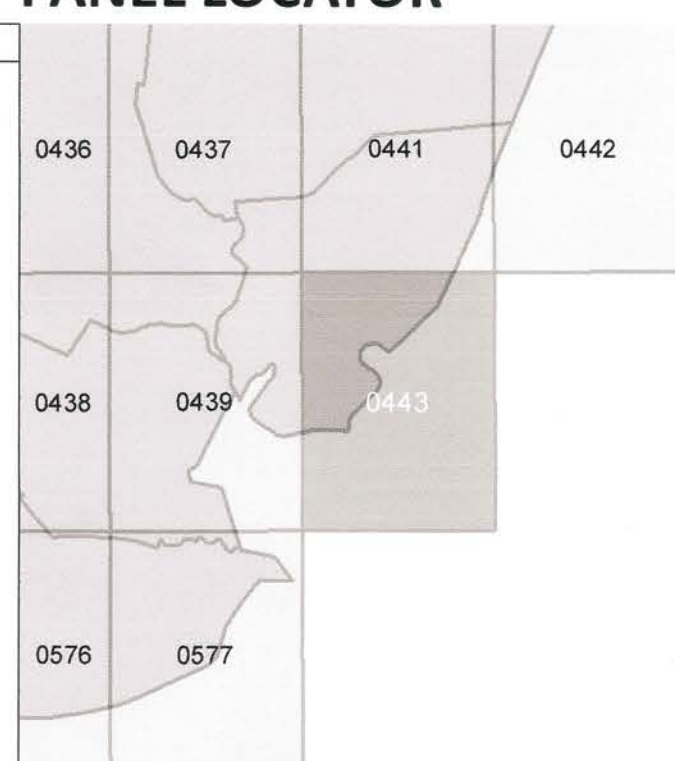
SCALE
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 MAP NUMBER
 25017C0442F
 RELEASE DATE
 07/09/2018



LEGEND

Proposed Study		Effective Study	
302	Red Base Flood Elevations Shown On New Study Reaches Only	233 (in 302)	Base Flood Elevation (BFE) line and water elevations in feet
Structure	Structures	Circle with A	Cross Section line
Profile Baseline	Profile Baseline	Circle with B	Quadrant Truncation line
Watershed Boundary	Watershed Boundary	Circle with C	Outlet
ZONE A (Approximate Flooding)	ZONE A (Approximate Flooding)	Circle with D	SPRNG
ZONE AO (1% Shallow Flooding)	ZONE AO (1% Shallow Flooding)	Circle with E	2 1/2' Annual Exceedance Probability boundary
ZONE AE (Detailed Flooding)	ZONE AE (Detailed Flooding)	Circle with F	1% Annual Exceedance Probability boundary
ZONE AE with Floodway	ZONE AE with Floodway	Circle with G	100-year boundary
ZONE VE (1% Coastal Flooding)	ZONE VE (1% Coastal Flooding)	Circle with H	Zone B boundary
ZONE X (0.2% Flooding)	ZONE X (0.2% Flooding)	Circle with I	100-year SPB boundary
		Circle with J	1% Annual Exceedance Probability boundary
		Circle with K	100-year boundary
		Circle with L	100-year boundary
		Circle with M	100-year boundary
		Circle with N	100-year boundary
		Circle with O	100-year boundary
		Circle with P	100-year boundary
		Circle with Q	100-year boundary
		Circle with R	100-year boundary
		Circle with S	100-year boundary
		Circle with T	100-year boundary
		Circle with U	100-year boundary
		Circle with V	100-year boundary
		Circle with W	100-year boundary
		Circle with X	100-year boundary
		Circle with Y	100-year boundary
		Circle with Z	100-year boundary

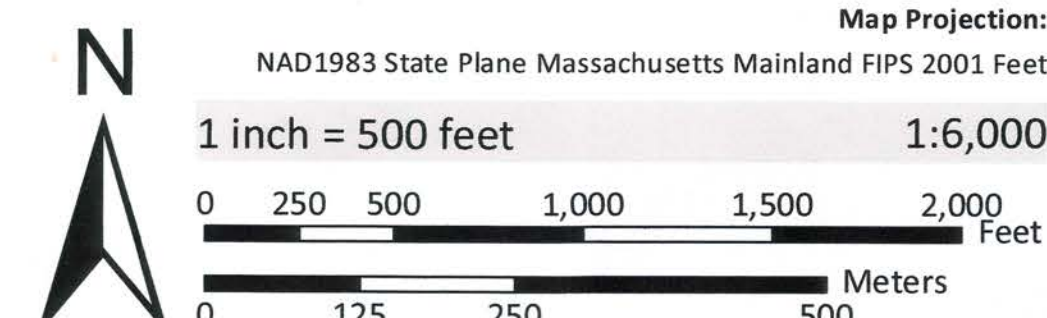
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MIDDLESEX COUNTY, MA

PANEL 0443 of 0656
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SCALE
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