# DCR'S FLOOD HAZARD MANAGEMENT PROGRAM MSURANCE PROGRAMIN THENATIONALFILOOD MASSACHUSETTS

Walden Pond, Concord, Dec 2016 Joy Duperault

### THE EXCHANGE AGREEMENT

# Flood insurance for floodplain enforcement

Title 44 CFR (Code of Federal Regulations), Parts 59 through 80.

Massachusetts:

341 out of 351 communities are in the National Flood Insurance Program

There are approx. 50,500 active policies, with an average annual premium of \$1,530.

### **BUZZARDS BAY COMMUNITIES**

Acushnet 12 policies Marion 497 policies

Bourne 1,007 policies Mattapoisett 724 policies

Dartmouth 518 policies New Bedford 308 policies

Fairhaven 668 policies Rochester 9 policies

Falmouth 2,331 policies Wareham 1,767 policies

Gosnold 8 policies Westport 318 policies

Altogether these 8,167 policies equal approx. \$2,058,556,000 in flood insurance coverage.

### **BUZZARDS BAY COMMUNITIES**

## Since 1978 flood insurance claims have been paid out, totaling \$42,859,194 to date:

Acushnet \$14,622.31

Bourne \$5,499,302.87

Dartmouth \$921,854.75

Fairhaven \$3,454,629.67

Falmouth \$9,450,397.19

Gosnold \$2,214.69

Marion \$2,893,691.96

Mattapoisett \$6,791,752.62

New Bedford \$625,970.19

Rochester \$00.00

Wareham \$11,683,384.70

Westport \$1,521,373.20

Per FEMA database on 4/4/2017.

### FEMA'S POLICYHOLDER OUTREACH PROGRAM

### **Actual example:**

Westport policyholder owns 2 structures on one parcel, one of which is an old farmhouse with a basement and the other a tiny cottage on the beach. Both structures are pre-FIRM and neither structure is her primary residence. Her total annual flood insurance premium has been \$10,500.

She receives a letter from FEMA informing her that her policy has been examined, and that it will begin to rise at a rate of 25% per year until the actuarial rate has been met.



Next renewal = \$13.125

Then \$16,406... \$20,508... \$25,635... etc.

What are her options?

### FEMA'S COMMUNITY RATING PROGRAM

- Voluntary
- Requirements to meet higher standards
- ❖ Discounts on flood insurance premiums, between 5- 15%
  - At a class 8 (10% discount) Fairhaven SFHA policyholders would save an average of \$241/year
  - Wareham policyholders altogether would save approx. \$265,698/year at a class 8
  - At only class 9 (5% discount) Falmouth policyholders would a save a total of \$200,932 each year

The Commonwealth's statewide regulations and your local practices may count for enough points to enter the program at a class 9 (5% discount.)

## DCR FLOOD HAZARD MANAGEMENT PROGRAM

DCR houses the Flood Hazard Management Program within its Office of Water Resources. Two staff are responsible for:

- Liaison between FEMA and Mass communities
- Technical support
- Monitoring floodplain development
- Reviewing state projects
- Coordinating with MEMA on grants and planning efforts
- Delivering NFIP training
- Assisting general callers
- Flood event/ disaster support

We work for you!

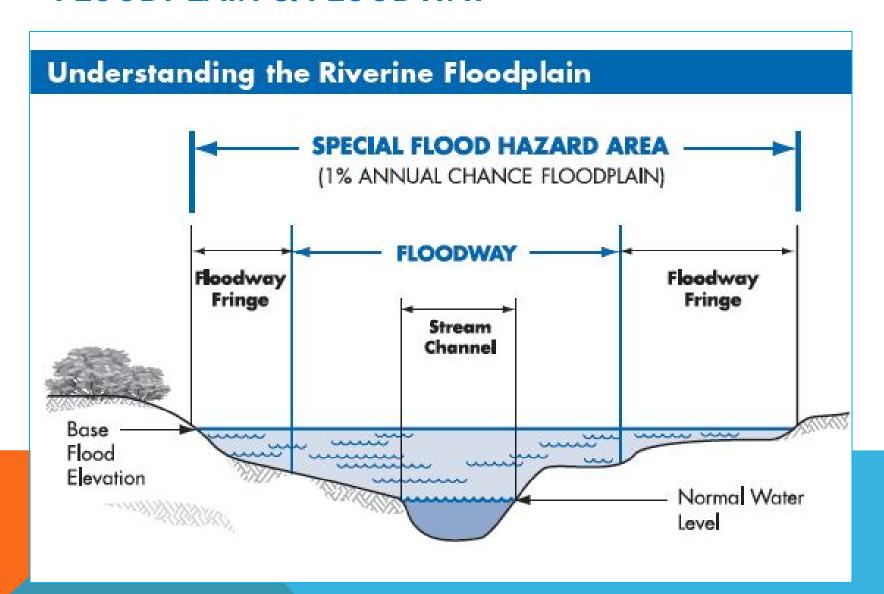
### NFIP DEFINITION OF DEVELOPMENT

Any manmade change to improved or unimproved real estate, including but not limited to building or other structures, mining, dredging, filling, grading, paving, excavation or drilling operations



2014 photo by David L. Ryan, Boston Globe West Roxbury quarry

### FLOODPLAIN & FLOODWAY



### FEDERAL REGULATIONS IN STATE AND LOCAL CODES

The NFIP regulations in 44 CFR must be accepted at the local level, unless these reside in statewide mandatory codes.

### NFIP regulations in Massachusetts:

- Massachusetts amended 2009 IBC, IRC, IEBC and Appendix G (780 CMR)
- Mass. Wetlands Protection Act (310 CMR 10)
- Mass. Title V regulations (310 CMR 15, Title 5)
- MA Model Flood Ordinance, as reflected in local bylaws (AKA "flood ordinance") which may be found in zoning bylaws or other local codes
- Other pertinent Massachusetts regulations such as the DEP Inlands and Coastal Wetlands Restrictions (310 CMR 13 and 12)



### **LOCAL BY-LAWS**

### Some examples include:

- In AE zones with regulatory floodways, encroachments are prohibited in the regulatory floodway which would result in any increase in flood levels within the community during the occurrence of the base flood discharge [310 CMR 10.57 (4)(a); NFIP 44 CFR 60.3(d)(3)]
- All subdivision proposals must be designed to assure that:
  - a) such proposals minimize flood damage;
  - b) all public utilities and facilities are located and constructed to minimize or eliminate flood damage; and
  - c) adequate drainage is provided to reduce exposure to flood hazards.



### LOCAL ENFORCEMENT

- Building official (commissioner, inspector)
- Conservation agent & commission
- Dept. of Public Works director
- Planners, community development staff
- Town administrators/ managers



# Who is the community's floodplain administrator?

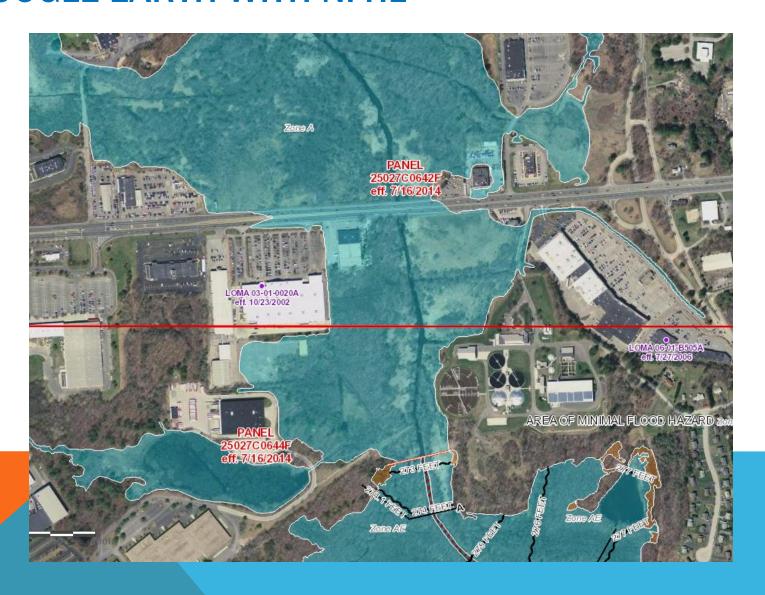
Photo by WordPress.com

### **FEMA'S MAP SERVICE CENTER**

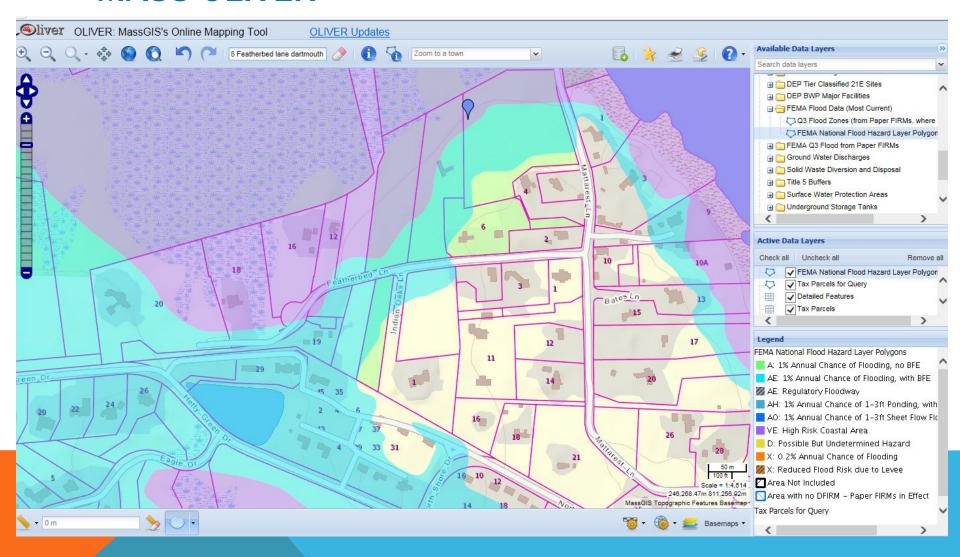
### https://msc.fema.gov



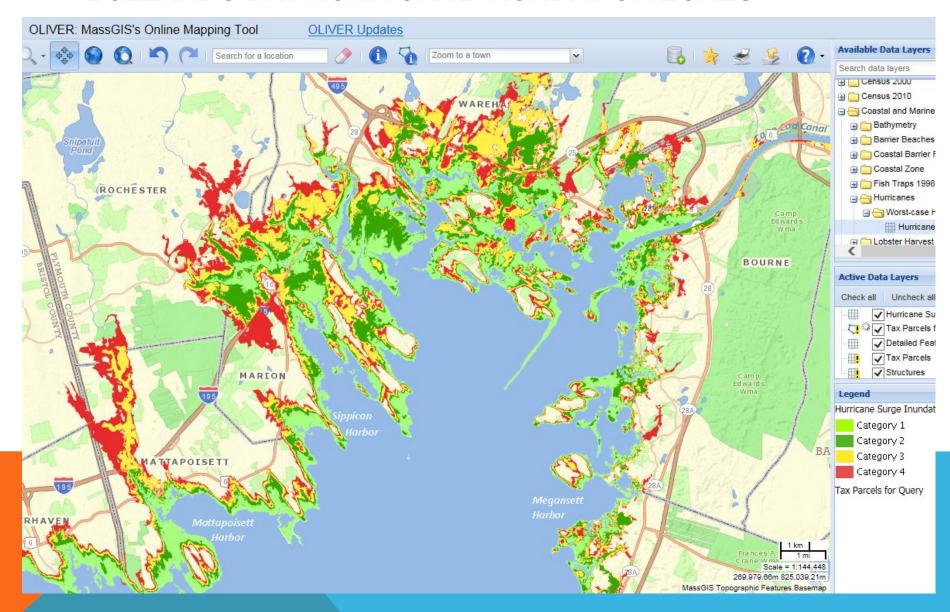
### **GOOGLE EARTH WITH NFHL**



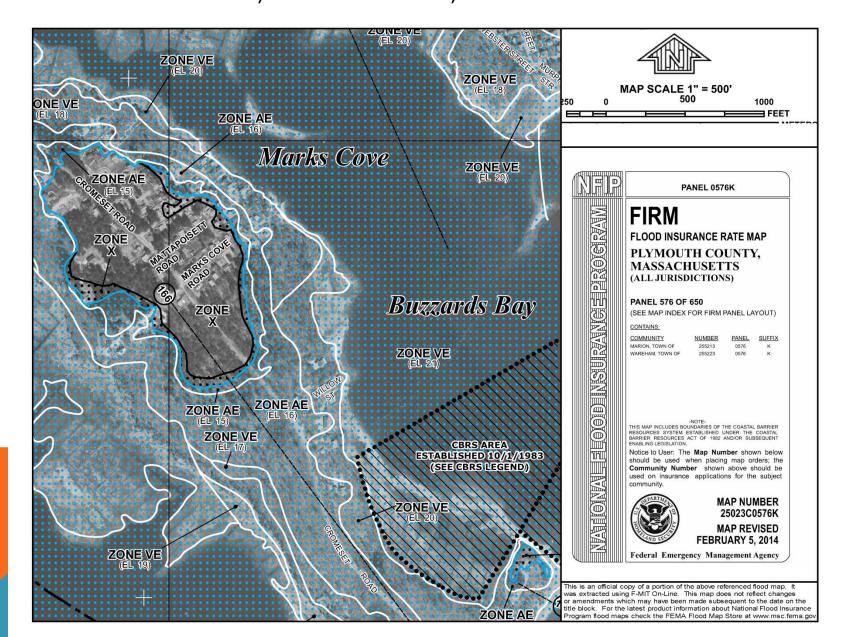
### **MASS OLIVER**



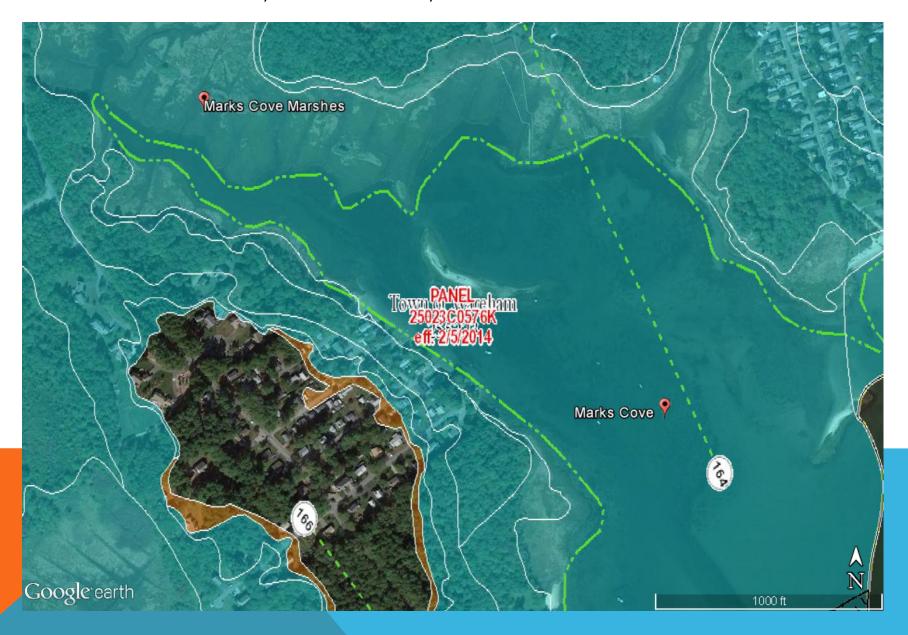
### **BUZZARDS BAY HURRICANE INUNDATION ZONES**



### MARK'S COVE, WAREHAM, FEMA FIRM



### MARK'S COVE, WAREHAM, GOOGLE EARTH NFHL



### MARK'S COVE, WAREHAM, GOOGLE EARTH NFHL



### **TECHNICAL ASSISTANCE & TRAINING**

Your Flood Hazard Management Program office can help you with

- Technical assistance by email, letter or phone
- Review of proposals
- FEMA floodplain management materials and maps
- Training (map use, building codes, elevation certificates, higher standards, Letters of Map Change, etc.)
- Flood insurance questions and referrals
- Hazard mitigation project funding (information about programs)
- General NFIP questions

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Remember: We work for you!



### **GIVE US A CALL!**

### Joy Duperault, CFM

### State NFIP Coordinator & Hazard Mitigation Officer

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#### **Eric Carlson**

### Floodplain Engineer

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Getty photo: John Cancalosi