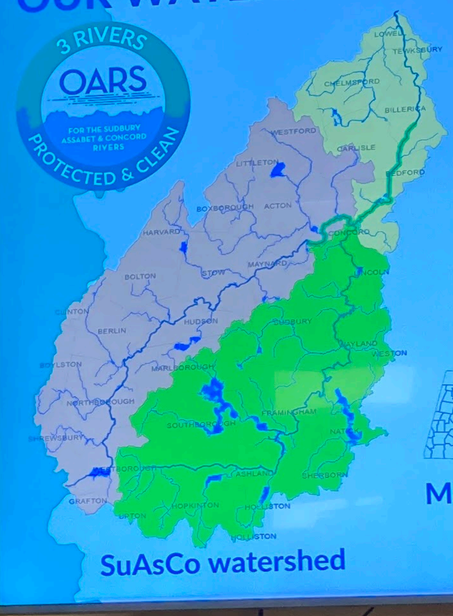
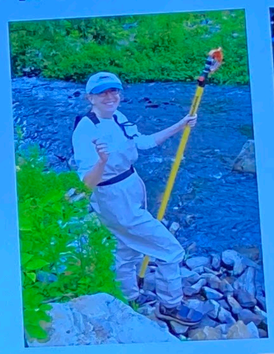

EXIT

OUR WATERSHED: Where we work, Why it Matters





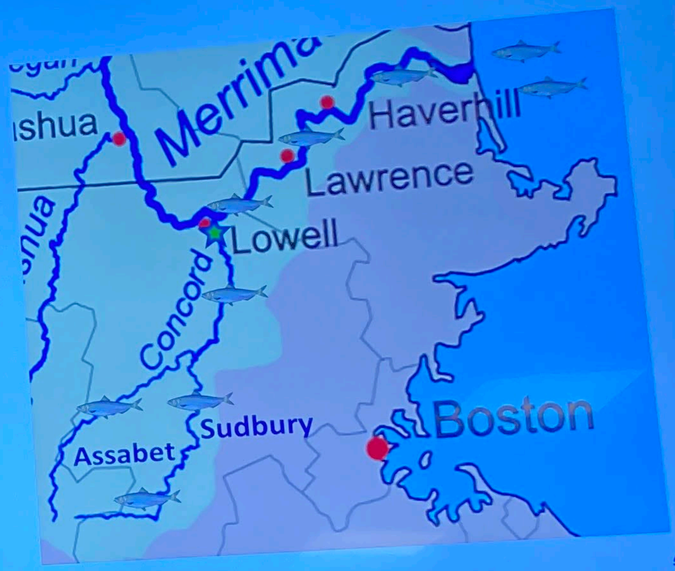


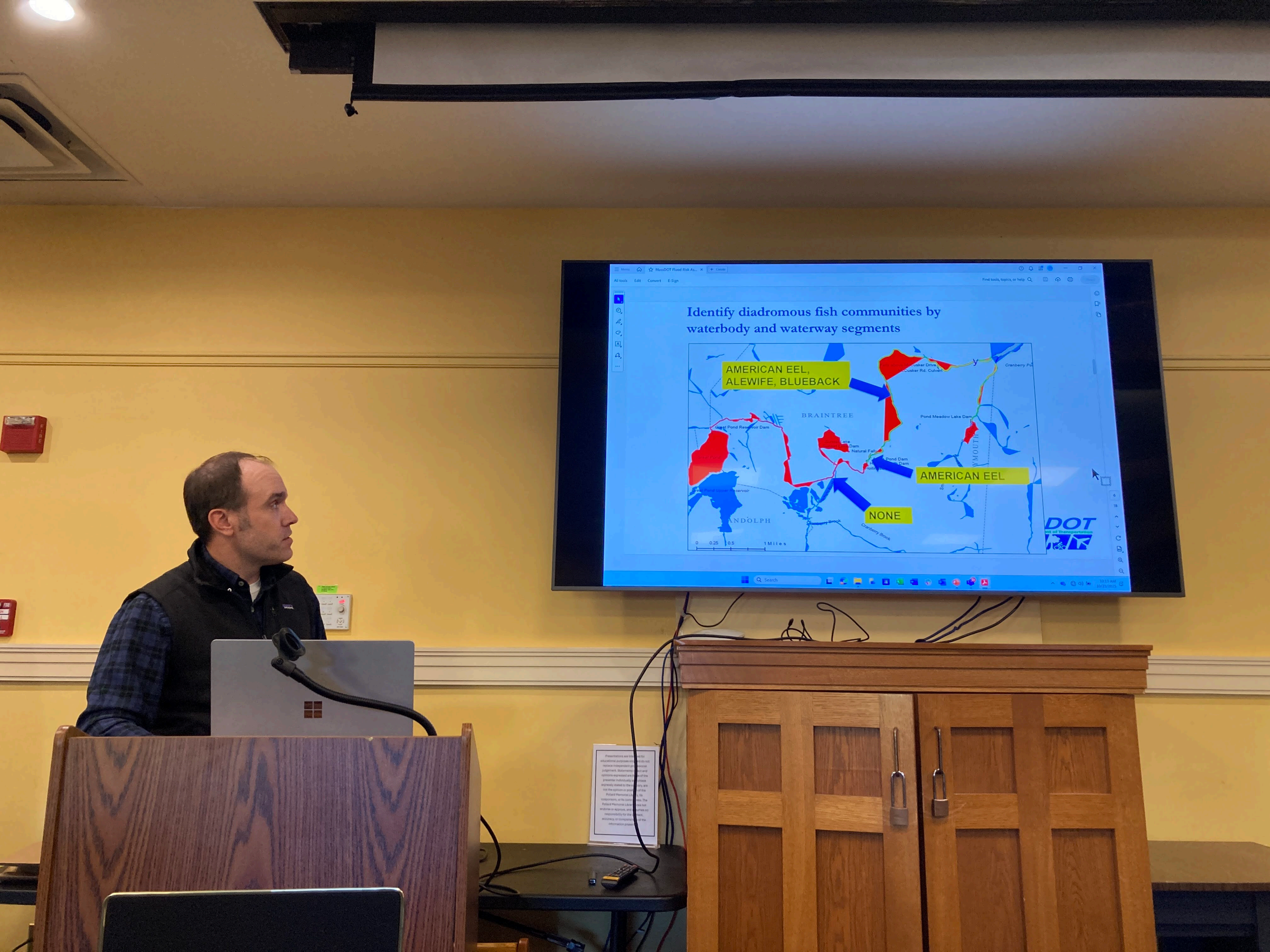


Working together to protect, improve, & preserve the Sudbury, Assabet, & Concord rivers & watershed for all people & wildlife

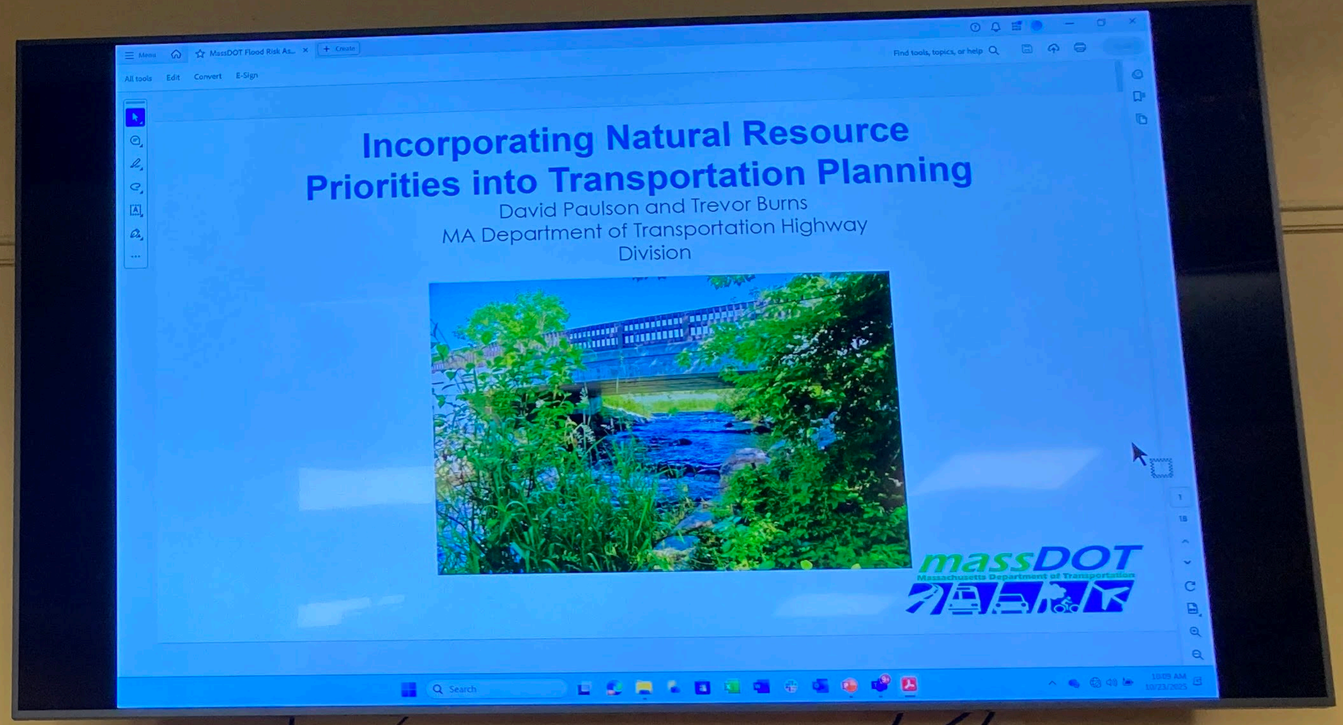

Lowell Parks &
Conservation Trust
Lowell Parks &
Conservation Trust
Jane Calvin, Executive Director

Concord River
Alewife
Monitoring




Identify diadromous fish communities by waterbody and waterway segments
AMERICAN EEL, ALEWIFE, BLUEBACK
AMERICAN EEL
NONE
BRAINTREE
Pond Meadow Lake Dam
Cranberry Brook
0 0.25 0.5 1 Miles
DOT


MassDOT Current State of Practice
Project Development
Partnership with Natural Resource Agencies
Staff Development
massDOT


Incorporating Natural Resource Priorities into Transportation Planning
David Paulson and Trevor Burns
MA Department of Transportation Highway Division
massDOT
Massachusetts Department of Transportation


Acushnet - Hamlin Street Bridge Replacement
Acushnet River
massDOT









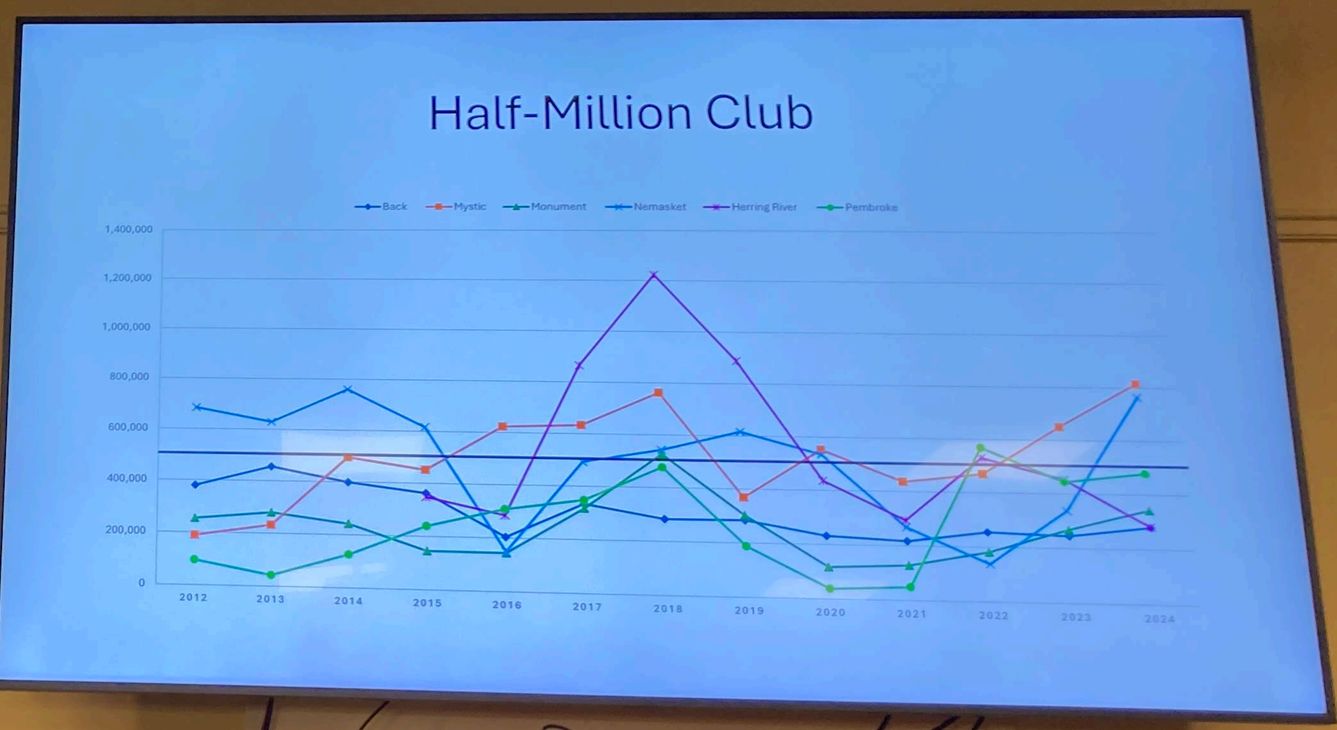










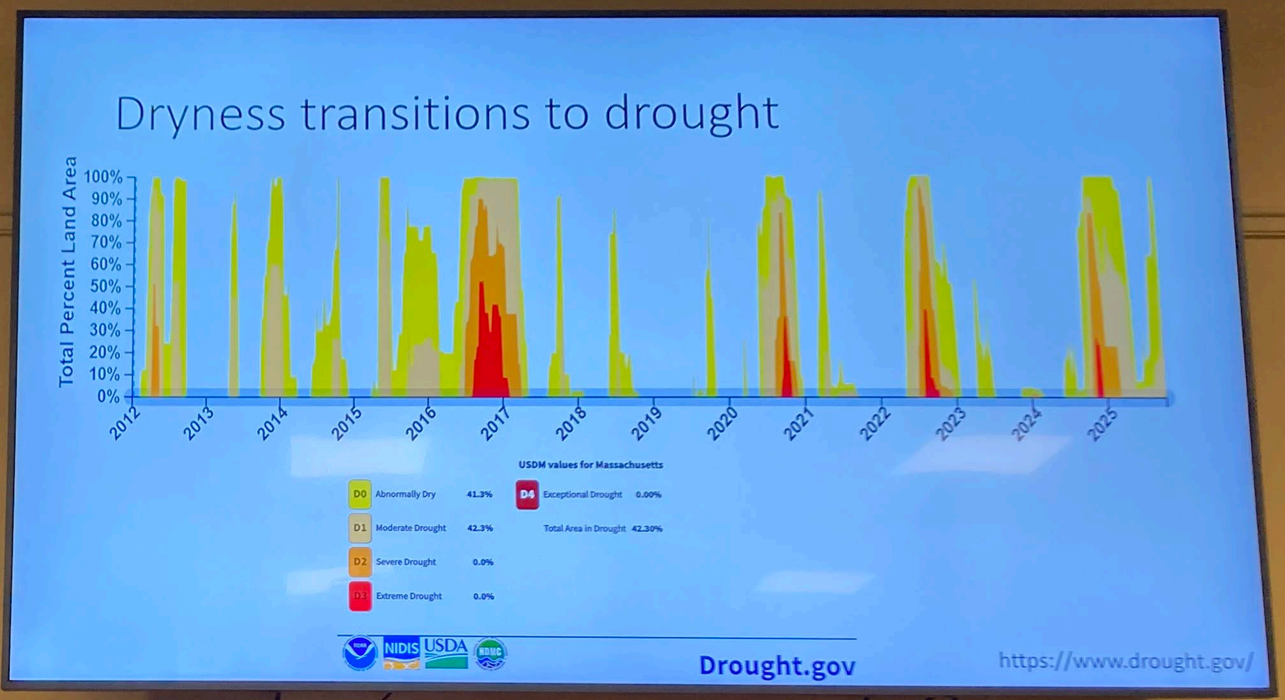

Half-Million Club
Back
Mystic
Monument
Nemasket
Herring River
Pembroke
1,400,000
1,200,000
1,000,000
800,000
600,000
400,000
200,000
0
2012
2013
2014
2015
2016
2017
2018
2019
2020
2021
2022
2023
2024

River Herring Fish Management History in MA

- **1623** – Plymouth Colony Fish Law; 1st US fisheries law was for river herring
- **1709/1727** – Colonial laws prohibit obstructions to fish passage
- **1741** – Colonial law repeals previous laws but requires passageways
- **1745** – Colonial law overturns 1741 law: no passage requirements with framework for private water and land rights

- **1750s through 19th century:** Dam construction for hydropower increase with little consideration for fish passage. Fish passage was managed by on a Town-by-Town basis with common privatization. Herring gains value as groundfish bait and is overfished in coastal weirs and at some private runs


EXIT
VIETNAM


Dryness transitions to drought
Total Percent Land Area
100%
90%
80%
70%
60%
50%
40%
30%
20%
10%
0%
2012
2013
2014
2015
2016
2017
2018
2019
2020
2021
2022
2023
2024
2025
USDM values for Massachusetts
D0 Abnormally Dry 41.3%
D1 Moderate Drought 42.3%
D2 Severe Drought 0.0%
D3 Extreme Drought 0.0%
D4 Exceptional Drought 0.00%
Total Area in Drought 42.30%
NIDIS USDA NDMC
Drought.gov
https://www.drought.gov/


Rob

What I would like to hear today...

1- Stories from this year that you all have?

2- How long were fished trapped this summer? Are there places that had flow all summer?

3- Do records from past years?

4 n collecting this information in the future?























