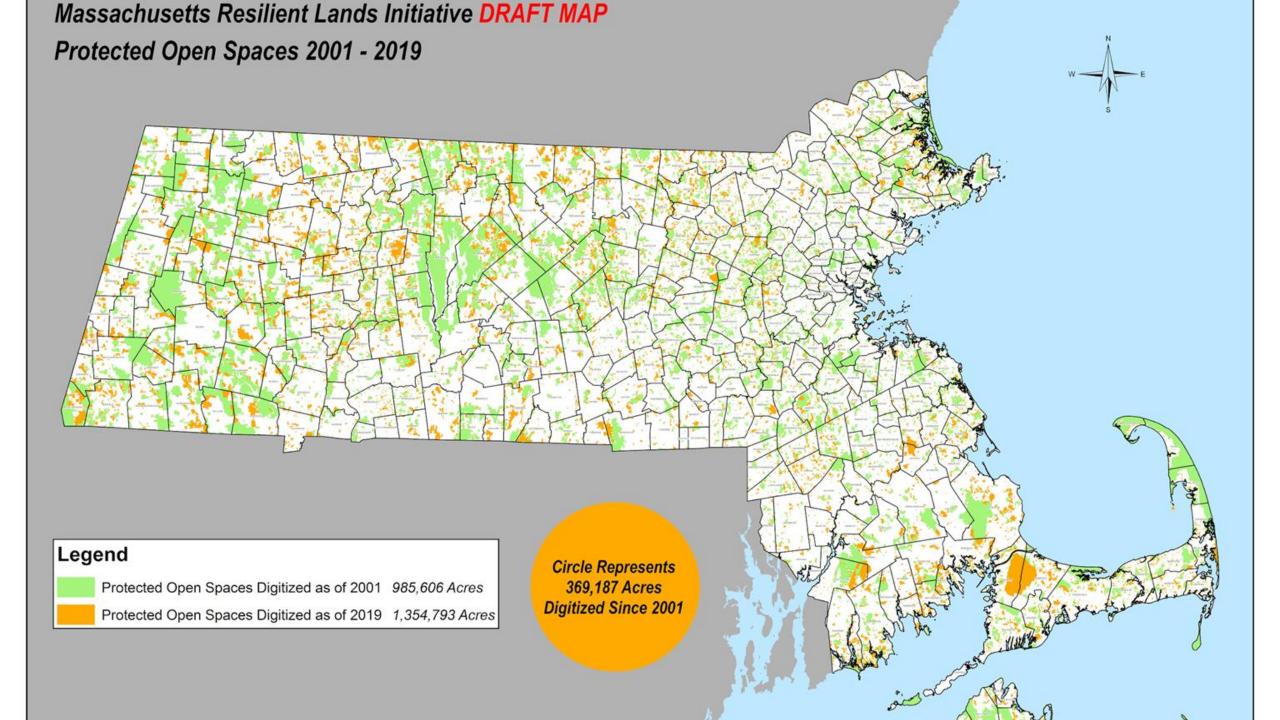
THE RESILIENT LANDS INITIATIVE: EXPANDING NATURE ACROSS THE COMMONWEALTH TO HELP PEOPLE





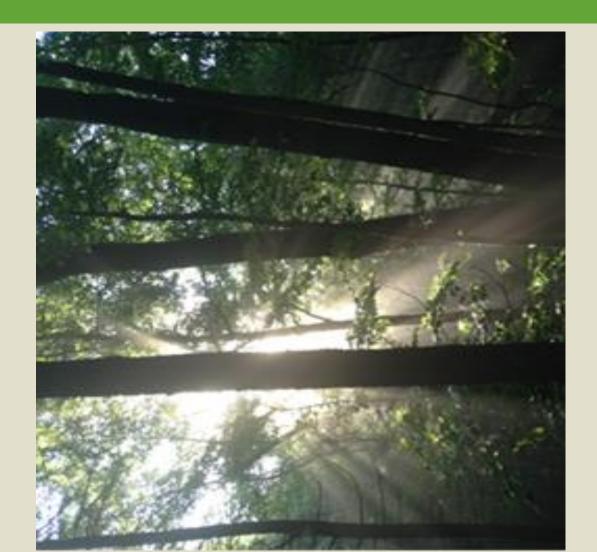
RESILIENT LAND INITIATIVE -INVOLVEMENT

- A steering committee with 40+ active members in 12 monthly meetings focused on 8 "Land Values":
- Urban parks and public health; Reducing climate impacts to people; Supporting stable economies; Forests; Farms; Habitats; Watersheds and water supply; Outdoor recreation; Cultural Values
- (14 focus groups with grassroots advocates (water, urban greenspace), farmers, foresters (270 people) + two public sessions (60 people)



RESILIENT LANDS INITIATIVE: GAINING MAXIMUM RESILIENCE FROM NATURE

- A Vision of No Net Loss of Forests and Farms by 2030
- Reduces development footprint by 15,000 acres and creates 29,000 acres of new forest, tree canopy, farms and community gardens in EJ communities and along rivers
- Conserves much of our last remaining intact landscapes, watersheds and habitats – 30X30
- Helps offset about 20% of the 2050 No Net Carbon Emissions needs



RESILIENT LAND INITIATIVE: POTENTIAL FUNDING SOURCES

- State Capital Funding
- State GWSA Trust Fund
- Private Fundraising
- Federal (LWCF, USDA NRCS and USDA Forest Legacy
- Legislation (incentives and tax credits in a "Land for People" bill)
- Transportation Climate Initiative



STRATEGY #1: NO NET LOSS OF FORESTS AND FARMS

| Actions | Metric (by 2030) | |
|--|---|--|
| • Smart Growth: Assistance and greening incentives for 100 communities | • 15,000 acres of forest and farm <i>saved</i> from development | |
| "PILOT for Climate" | 500 acres restored farm or forest (\$15,000 grants to 100 towns) | |
| Tree planting along rivers | 550 miles of river-banks planted (10,400 acres of <i>new</i> forest | |

STRATEGY #2: FOCUS ON FOOD

| Actions | Metrics (by 2030) | |
|--|--|--|
| Vacant Lots to Farms | 500 acres of <i>new</i> farms and community gardens (food to feed 5,000 people into the future) | |
| Expand MDAR's APR Program to protect whole farms (forest and wetlands) | 5,000 acres of farms protected (food to feed 50,000 people - \$800 per person) – focused on farmers of color | |
| Expand the Urban Green Teams | Expand Groundwork model to 20 cities to focus on urban farm programs and create 200 jobs and increased diverse conservation staff | |

STRATEGY #3: FOCUS ON URBAN GREENSPACE AND PUBLIC HEALTH

| Actions | Metrics (by 2030) | Heat Island in Massachusetts (Top Quartile) |
|--|---|--|
| Greening urban lots | 1,200 acres of <i>new</i> urban greenspace created – forests, gardens and parks | |
| Implement the Pilot Park Access Project | 42 one-half mile cool and safe walking routes to parks renovated in 4 Gateway Cities | 30 60 120 Kilometers Boundaries Environmental Justice 2010 Populations Temperature (Degrees Celsius) Towns EJ Criteria, by Block Group 21.29615402 - 25.23003082 Minority 25.23003083 - 26.18136051 |
| Urban Youth Green Teams | 50 acres of <i>new</i> urban gardens created (200 jobs in 20 cities) – increased diverse conservation | Income 26.18136052 - 26.87557406 English isolation 26.87557407 - 27.85261536 Minority and Income Minority and English isolation Income and English isolation Minority, Income and English isolation |

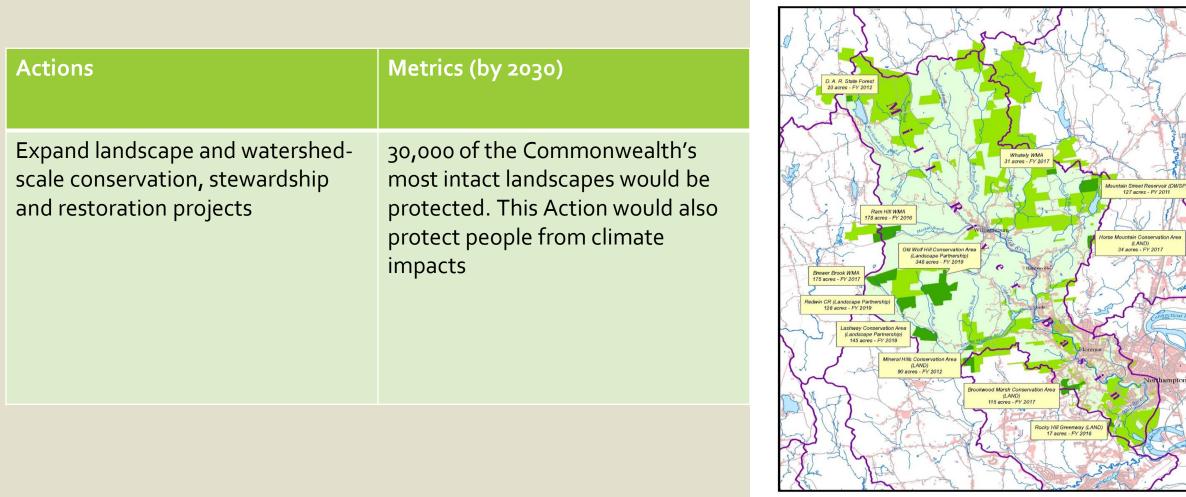
STRATEGY #4: FOCUS ON WATER

| Actions | Metrics (by 2030) | |
|--|---|--|
| Watershed Habitat Conservation Grants | 10,000 acres of best remaining water supply and habitat protected | |
| Expand Urban River Restoration | 100 acres of new urban habitat in 5 greenways in EJ areas | |
| Launch a "Save Land for Watersheds" Pilot | Pilot : "Bank" for mitigating land impacts via restoration | |
| Parking Lot Restoration | 50 acres of pavement restored to green in 10 cities | |

STRATEGY #5: FOCUS ON CLIMATE RESILIENCE

| Actions | Metrics (by 2030) | |
|---|--|--|
| Launch the Forest Resilience Program and Chapter 61"c" | 100,000 acres of forest managed to enhance carbon and resilience | |
| Adopt Key Rec's of Healthy Soils Action Plan | 10,000 acres of cultivated farmland managed for healthy soils with significant carbon storage | |
| Increasing % of Long-Lived Forest Products | Increased storage of the existing MA forest harvest to realize the carbon benefits | |

STRATEGY #6: FOCUS ON LANDSCAPES



RESILIENT LANDS INITIATIVE - STRATEGY #6: FOCUS ON THE GREEN ECONOMY

- Create a new green economy with expanded jobs in farm and forest products, increased forest resilience, enhanced urban tree canopy, and healthier soils that store more carbon:
 - Create 10 new jobs in each of our 100 rural communities and 30 new tree planting and land restoration jobs by 2030 in each of our cities with expanded forest and farm resilience and urban forestry projects
 - Create a new program to provide municipal and private forest and farm landowners annual payments for implementing best practices and making at least a 20-year commitment to keeping their land open.
 - Pass a "Lands for People" law that includes "PILOT for Climate" and refundable tax credits for land restoration and tree planting projects (with added incentives in EJ areas).



RESILIENT LANDS INITIATIVE – STRATEGY #8: FOCUS ON COLLABORATION

| Actions | Metrics (by 2030) | |
|--|--|--|
| Make the Resilient Lands Initiative a model program for public involvement and inclusion | This Action is critical if the RLI is to be a truly inclusive program that reaches every resident | |
| | 29,100 acres new forest and farms and 45,000 of best landscapes protected | |

CONSERVING AND MANAGING LAND FOR RESILIENCE AND CONNECTIVITY

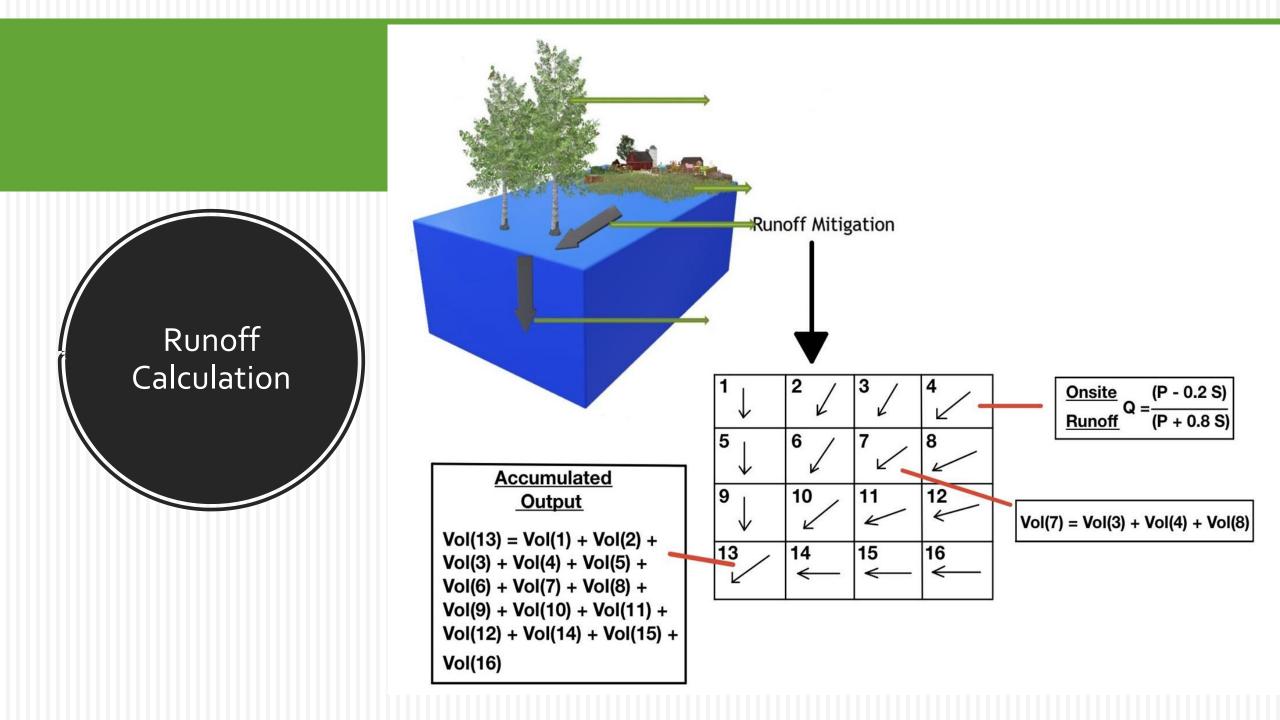
NIACS, TNC, MassAudubon and NEFF are completing a pilot for the forest carbon and resilience practices;

TNC has developed a land resilience model for the northeast used as a rating criteria for EEA grants.

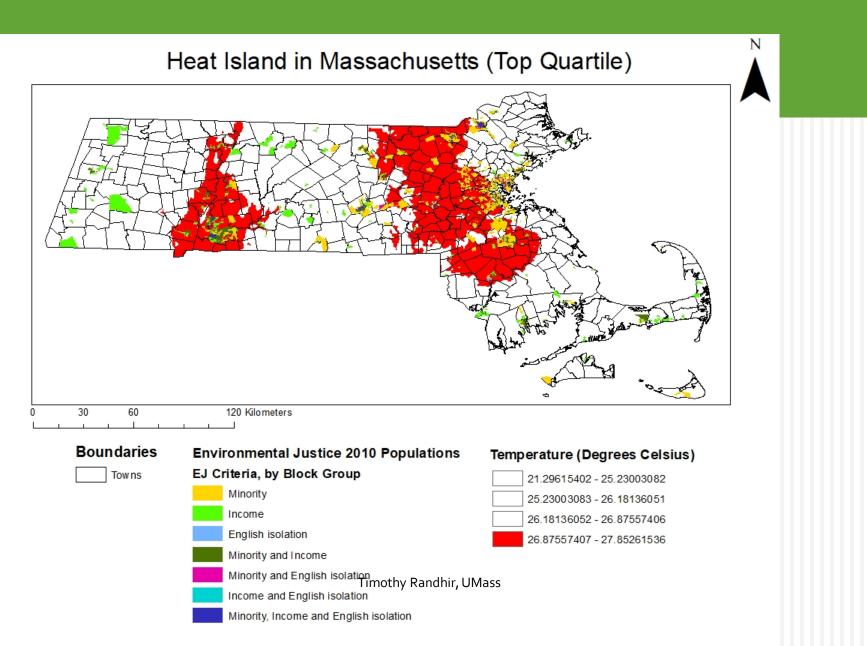


• I-CARES: Information for Climatic Adaptation and Resilience for Ecosystem Services resilience for people





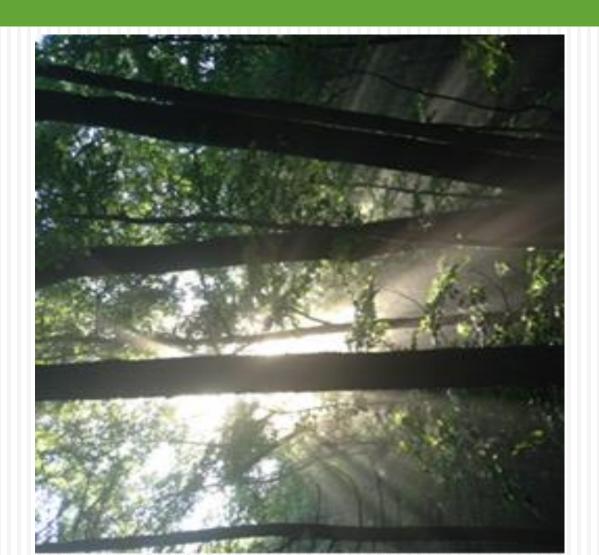
ENVIRONMENTAL JUSTICE (TOP QUARTILES)



30 Year Average Heat Island Maps

FUNDING FOR CONSERVING RESILIENT LANDS

- LAND grants
- Landscape Partnership grants
- Land and Water Conservation Fund
- Conservation Partnership Grants
- Drinking Water Supply Protection Grants
- Municipal Vulnerability Grants
- USFS Community Forest Grants
- Forest Legacy
- NRCS Regional Cons Partnership



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