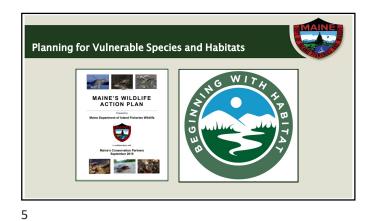








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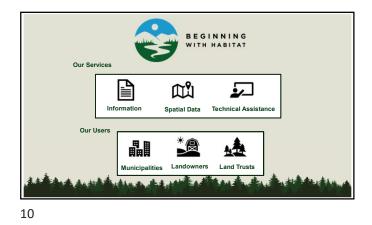
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Actions to Address Climate Change Survey and Monitoring (8) Public Outreach (7) Management (18) Research (25) AC Conservation and restoration of vulnerable habitats Identify connectivity hotspots Track resiliency and changes Mitigation and adaptation Focus on northern forests, marshes, and high elevation Landowner engagement Improve modeling of climate change impacts Marsh migration Roads and connectivity Riparian buffer zones 8





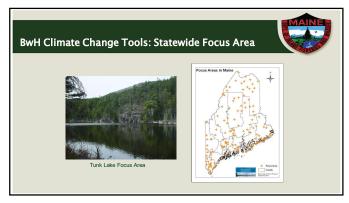


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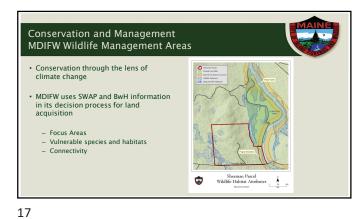


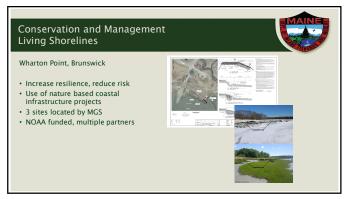












Conservation and Management RSET - Rod Surface Elevation Ta	bles
Saltmarsh monitoring of erosion/accretion to determine the extent to which salt marshes keep pace with sea level rise 2016 MCP, MDIFW and others partnered to install 11 monitoring sites (6 of which are on WMAs). Future efforts on vegetation assessment	



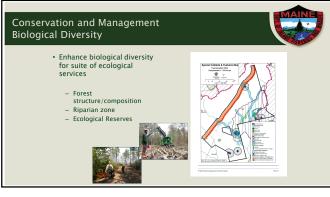


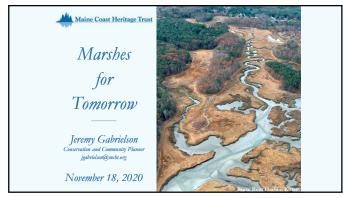


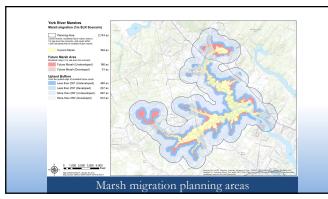
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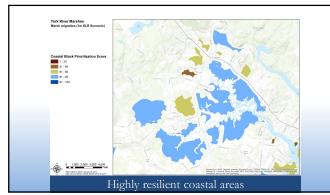


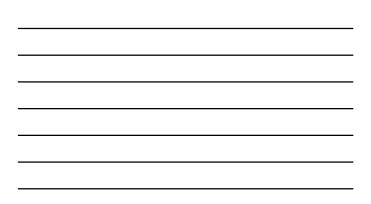


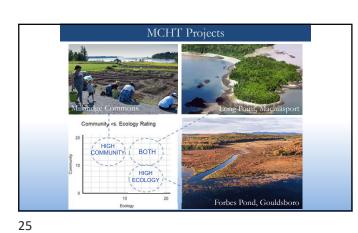






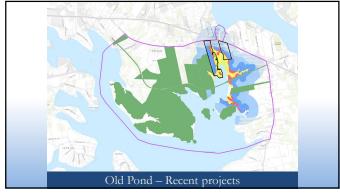


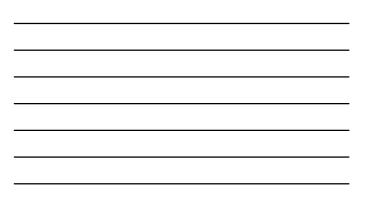




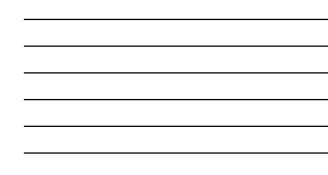


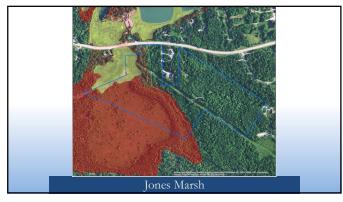






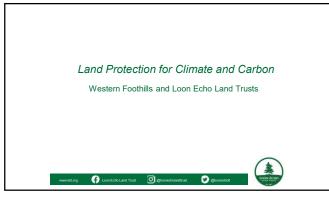


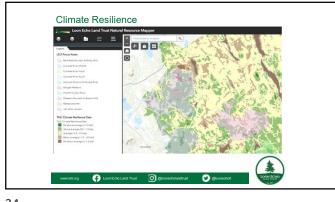




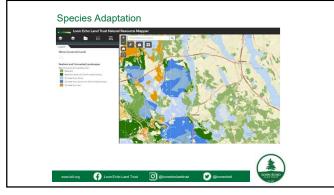
Lesson

- Multiple overlapping conservation values
- SLR is just one piece of the puzzle
- Partner, partners, partners
- Need for resilience-oriented funding





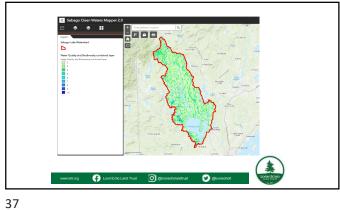










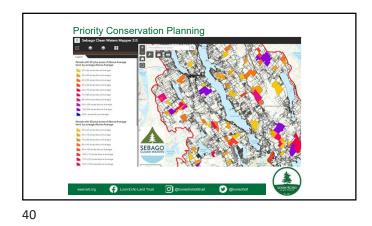










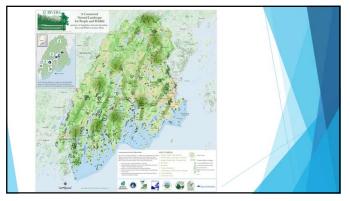












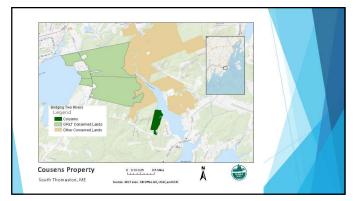


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DIKE IN WOOLWICH -- BRUNSWICK BANK. Chapter 190. errs of Salt Manh or ed March 31, 1836

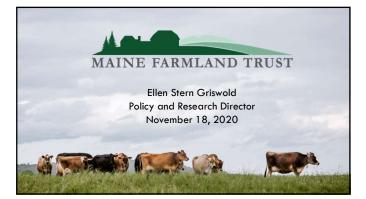








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MFT New Strategic Plan Stewardship and Climate Impact Area

Objectives:

- Increase extent climate smart and other conservation practices are integrated into MFT work
- Significant increase in the amount of support for farmers adopting/employing climate smart practices

Strategies:

- Advancing related federal/state/municipal policy work
- Partnering on farmer outreach/education activities
- Integrating support for climate smart practices into MFT farmland protection and farm viability programs



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Farmland Protection as a Climate Strategy

- Critical for achieving Maine's climate change mitigation and adaptation goals:
 - Avoiding future emissions associated with development
 - Preserving climate mitigation and adaptation benefits from climate smart farming practices
 - Ensuring the land base to grow the local agricultural economy and create greater food security





- Process of reviewing easement terms
- Distributing to farmers information about climate smart practices and support



Potential Climate-Related Land Conservation Work

- Incorporate climate strategies and resiliency indicators into land protection evaluation process
- Concerns about including practice requirements in easement terms
- Separate but connected contract for climate smart agricultural practices



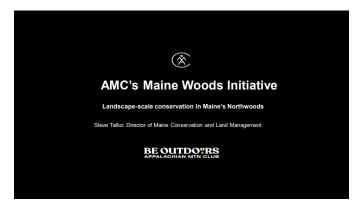
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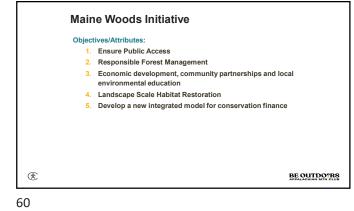
- Farmer Outreach and Education Events
 Example: Healthy Soils, Healthy Farms event in Aroostook County
- Support for climate smart practices through business planning and technical assistance
- On-Farm Research and Demonstration Projects

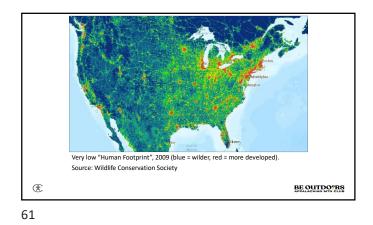




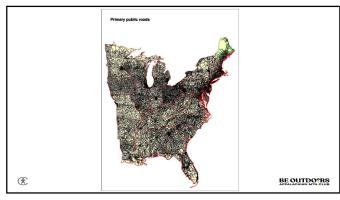






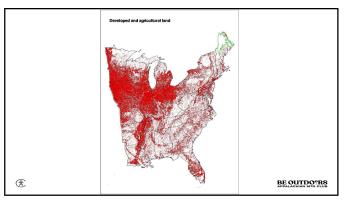




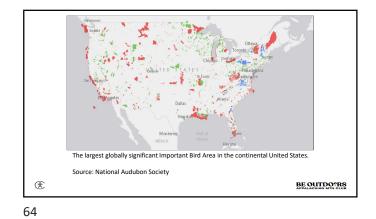




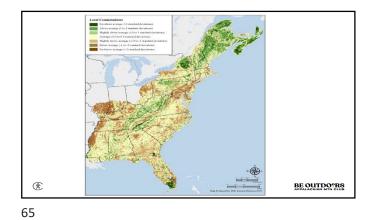




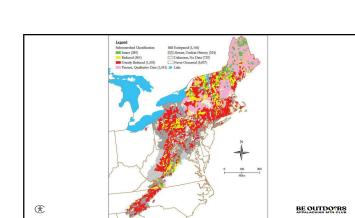




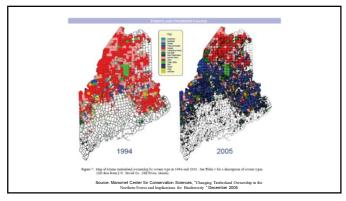




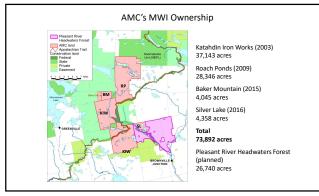




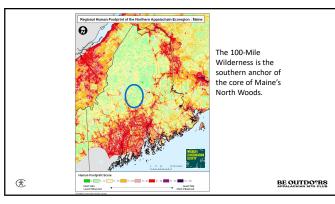


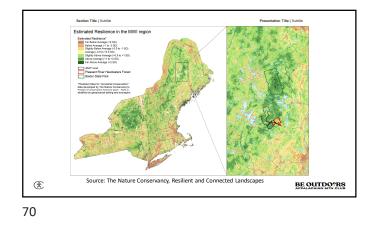










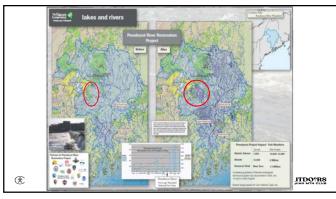




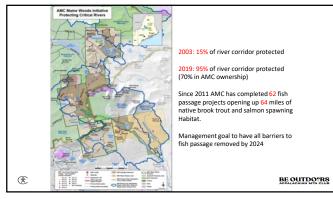
Easements and Management Zones

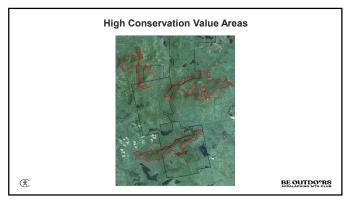


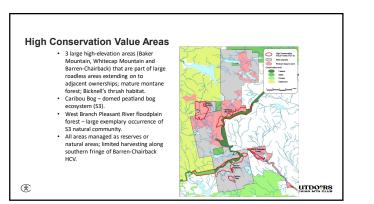






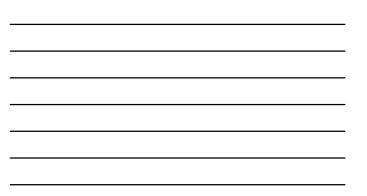


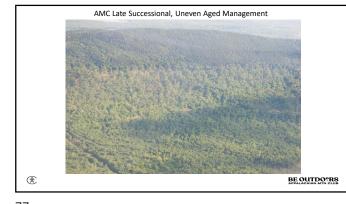






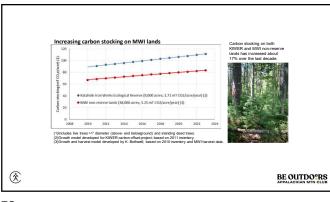




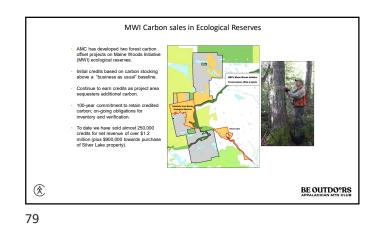


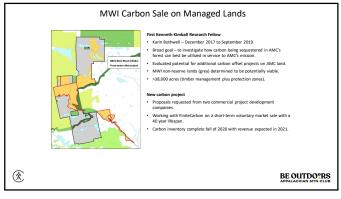






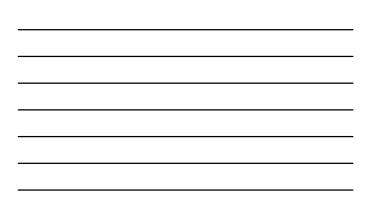












Slide 81

AA1 AMC Administrator, 4/5/2017



Maine Bureau of Parks and Lands

48 State Parks and Historic Sites
620,000+ acres of Public Lands

- Managed for:
- Recreation
- Wildlife & Biodiversity

www.ParksAndLands.com

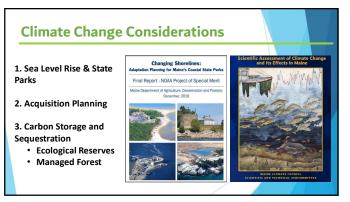
Cultural and Historic Resources
Forest Management

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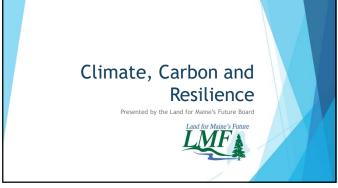
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Strategies - What are we already doing?

LMF Conservation Priorities

- Recreation lands
- Water Access Lands
- Lands Supporting Vital Ecological Functions and Values
- Rare, Threatened, or Endangered Plants, Natural Communities
- Wildlife and habitat
- Areas of Scenic Interest and Prime Physical Features
- Farmland and Open Space
- Ecological Preserve
- <u>River</u> or Trail <u>System</u>
- Island or Undeveloped Coastline
- Significant Mountain Areas
- Public Water Supply

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Strategies - What are we already doing?

- Scoring Prioritizes Projects that...
- Are part of a regional conservation plan or effort
- Connect or are adjacent to existing conservation lands
- > Are part of a locally adopted comp plan
- Implement protection of open space, recreation, wildlife habitat and/or rural areas that are consistent with the State's Growth Management Act
- Are in a primarily natural state and do not require restoration

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Strategies - What are we already doing? LMF Project review includes MNAP map & checklist for each parcel R,T,E plant species R,T,E animal species Rare and/or Exemplary Natural Communities MDIFW Significant or Essential Habitats

- > Connectivity to conserved lands
- > Intersects large undeveloped block
- Intersects a BwH focus area
- > USFWS priority trust species top 25%





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Strategies - What are we already doing?

Stewardship & Management

- Ensure easement terms protect the conservation values identified in the proposal
- Easements reference Best Management Practices
- May require a management plan to ensure adaptive management as conditions change
- Annual reporting to understand how the property is being used and changes over time

Strategies - What else could we be doing? Discussion

- Small team of MNAP & MDIFW staff work with LMF to develop scoring protocols that could be incorporated by LMF Board
- TNC resilience, connectivity and biodiversity tool being used by BPL-useful at a larger scale with landscape context rather than at smaller parcel level. BwH may be more appropriate at parcel scale
 Standard review tool extremely helpful to MNRCP review process
- Participants should be in touch with MNAP if there are other tools/data that are helpful
- Re. coastal resilience projects federal funds are sometimes prohibited from providing matching funds - LMF could be a big help
- Regular funding cycle
- Retain management flexibility with working lands easement terms
- Stewardship and management considerations will have to be acknowledged

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Strategies - What else could we be doing?

- Discussion • w/r/t farmland (and potentially other working lands) easements, scoring climate considerations may need to be different than fee acquisitions
- Standardizing data to the parcel level to understand relative importance/contribution. Look at aggregate acres when considering multiple parcel opportunities
- A tool available to all LT and recommended by LMF would help level the playing field for all size/capacity LT
- OSI tool useful for forestland projects, and carbon data newly available
 Built data shows surged accesses of DTE species, and to include
- BwH data shows current presence of RTE species, needs to include potential for RTE species in light of climate change
- How does LMF Board integrate this information into scoring, and then use that in a way that doesn't disadvantage smaller projects or projects that are intended to accomplish other LMF conservation objectives.

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Strategies - What else could we be doing?

Discussion

- Data availability/quality in organized towns vs. unorganized towns may need to be a consideration (in addition to parcel size)
- Long term stewardship is critical as we face changing climate
- Scoring weight balancing all of the public benefits in a meaningful way that reflects Board priorities as well as statutory and bond requirements

Next Steps Update Conservation Priorities What have we accomplished? Where are the gaps? Incorporate climate change, carbon and resiliency considerations in conservation priorities Other suggestions for the LMF Board?

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