

CROTCHED MOUNTAIN: Creating a Sustainable Future



Wildlife on Crotched Mountain



- 62 Bed Specialty Rehabilitation Hospital
- Special Education School (Residential)
For 128 Kids
- Community Social Services Across New
England
- \$50M/Yr, 850 Employees
- Philanthropy Sustains Our Mission

Board's Questions On Our Sustainability

- Ethical Behavior in the age of Global Warming?
 1. Individuals/Families/Communities?
 - Economic Crisis
 2. Public Health Crisis?
 - Autism/Asthma/Obesity
 3. Food Quality/Community Agriculture?
 4. Not-For-Profit Land Owners Land Management?



THE NORTHERN FOREST

By: Dick Ober

INTERLOCKED PROBLEMS

Being Thought Of As Competitive...

Creating A Sustainable Future

- Shared Goals – With Shared Values...
 - Excellence In Education and Rehabilitation
 - Healthy Relationships and Productive Lives
 - Protecting Vulnerable Individuals
 - Protecting Land, Water, & Cultural Resources
 - Developing Sustainable Agriculture
 - Jobs and Healthy Food
 - Promoting Accessible Recreation
 - The Crisis of American Obesity

2003

2009

Meeting With
Monadnock Conservancy



2003

2009

Board Vote



2003

2009

Natural
Resources
Inventory

2003

Sunnyfield Farm

2009



2003

Sunnyfield Farm

Supply Chain Greening

2009



2003

Sunnyfield Farm

Light Pollution Reduction

Supply Chain Greening

2009



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Wood Chip Heating



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Drip Irrigation WW



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Accessible Trails

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Next:

Conservation Easement

Accessible Public Recreation



Student Science Fair
Maple Syrup Contest

Kite Flying

Drumming Fire Circles

Accessible Treehouse

Cornucopia Garden

Blueberry Field Restoration

And much more....

Phase II:

Wood Chip District Hot Water

Drip Irrigation Wastewater

Simple “Green” Building – Public Works/Vocational Education

TOUR ONE: UTILITIES

Biomass Heating

1. Tree Farm For 30 Years
2. Local Fuel – Wood Industry Support
3. Clean - Fuel Spill Management, Oil Emissions Reduction
4. US Technology and Current Staff Skill Base
5. Initial Infrastructure Completed – Extension To Children’s Hospital Next



Friday, November 20, 2009

**Crotched Mountain Rehab Center
reduces its carbon footprint with
help from NH Sustainable Energy
Program ----**

***25,000 gallons of oil saved each
year***

Greenfield, NH – Patients and residents at Crotched Mountain Rehabilitation Center will be much more comfortable this winter thanks to a new connection to its central biomass district heating system made possible by a grant from the New Hampshire Public Utilities Commission's Greenhouse Gas Emissions Reduction Fund (GGERF).

Two larger buildings, including one of the hospital units, connected to central district heating plant that uses wood chips harvested from New Hampshire forests.

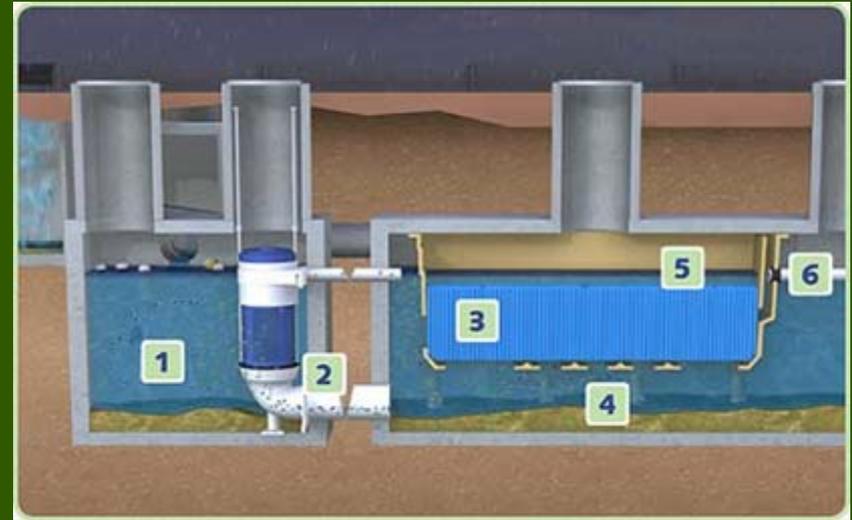
Previously these buildings used an inefficient fossil fuel, steam heating system.

“We see this project as a triple win,” said Jack Ruderman, Director of the PUC’s Sustainable Energy Division. “Not only have we met the goals of the fund by reducing greenhouse gas emissions that contribute to climate change, but we have helped a non-profit that is vital to New Hampshire lower its fuel expenses and ensured that low income individuals will be warm and comfortable.”

New Stormwater & Wastewater Systems



Aerobic Wastewater Treatment



Stormwater Treatment



New drip dispersal system reduces need for large leach fields

Phase III:

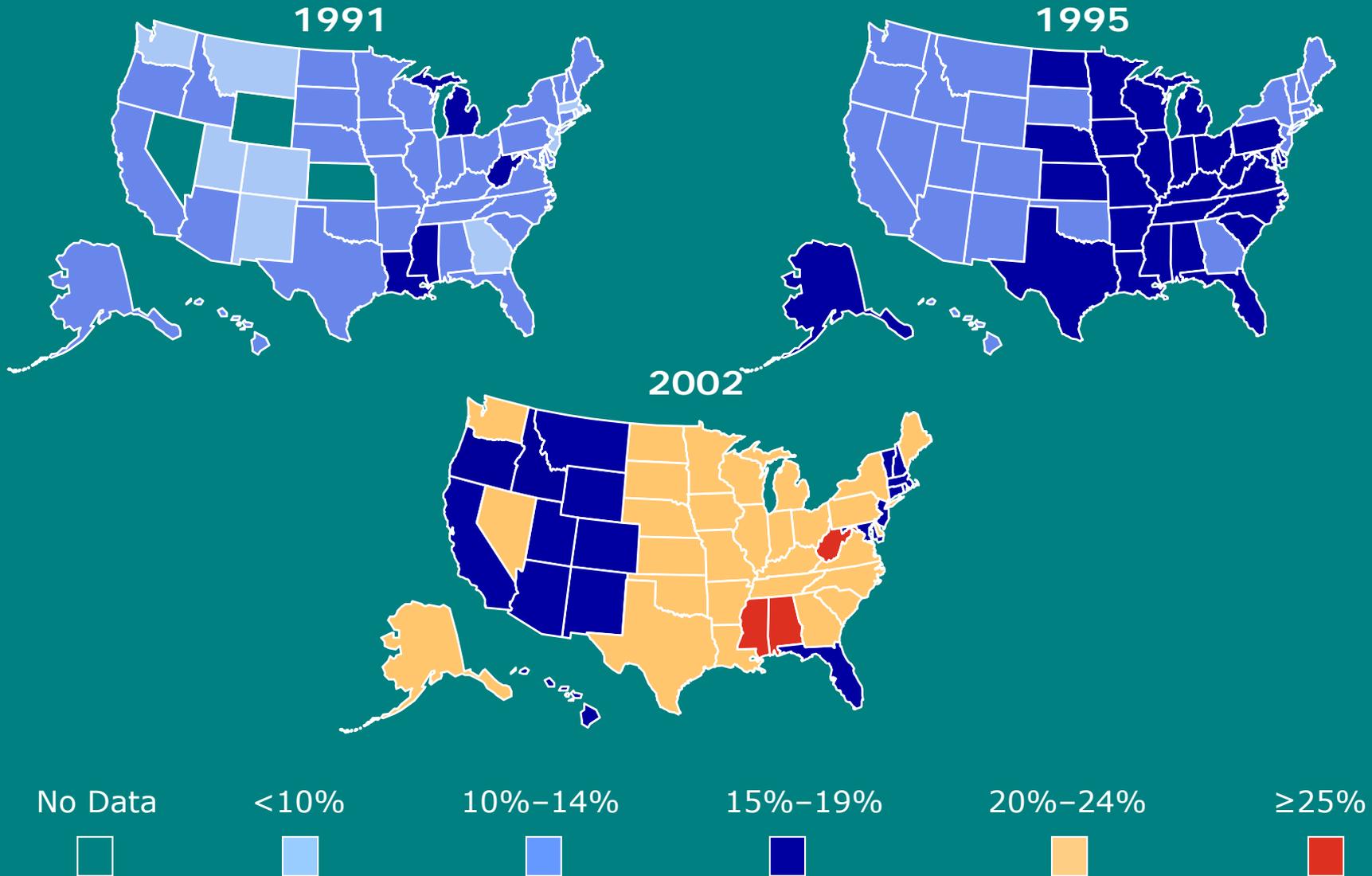
Developing A Protected, Accessible Recreation Destination

Building Two Miles Of USFS Standard, Universal Design Trails

Conservation Easement On Forest

TOUR TWO: FOREST PROTECTION / HEALTHY LIVING

Obesity Trends Among U.S. Adults



Crotched Mountain Property

Natural Resources Inventory

LEGEND

Natural Features & Special Management Areas (SMA)

-  Rare Plants (*Cornopholis Americana*)
-  Invasive Plants
-  Seeps / 300' Buffers (SMA #6)
-  Vernal Pools / 300' Buffers (SMA #7)
-  Wetland Complex (SMA #4)
-  Red Maple Swamp (SMA #8)
-  Beaver Ponds (SMA #5)
-  Beaver Pond & Associated Stream Buffers
-  Natural Area 1;
-  Exemplary Natural Communities (SMA #1)
-  600' Buffer (SMA #1)
-  Exemplary Natural Communities (SMA #2)
-  Natural Area 2
-  Future Development

Topography

-  Crotched Mtn Summit
-  Contours (20' interval)

Roads

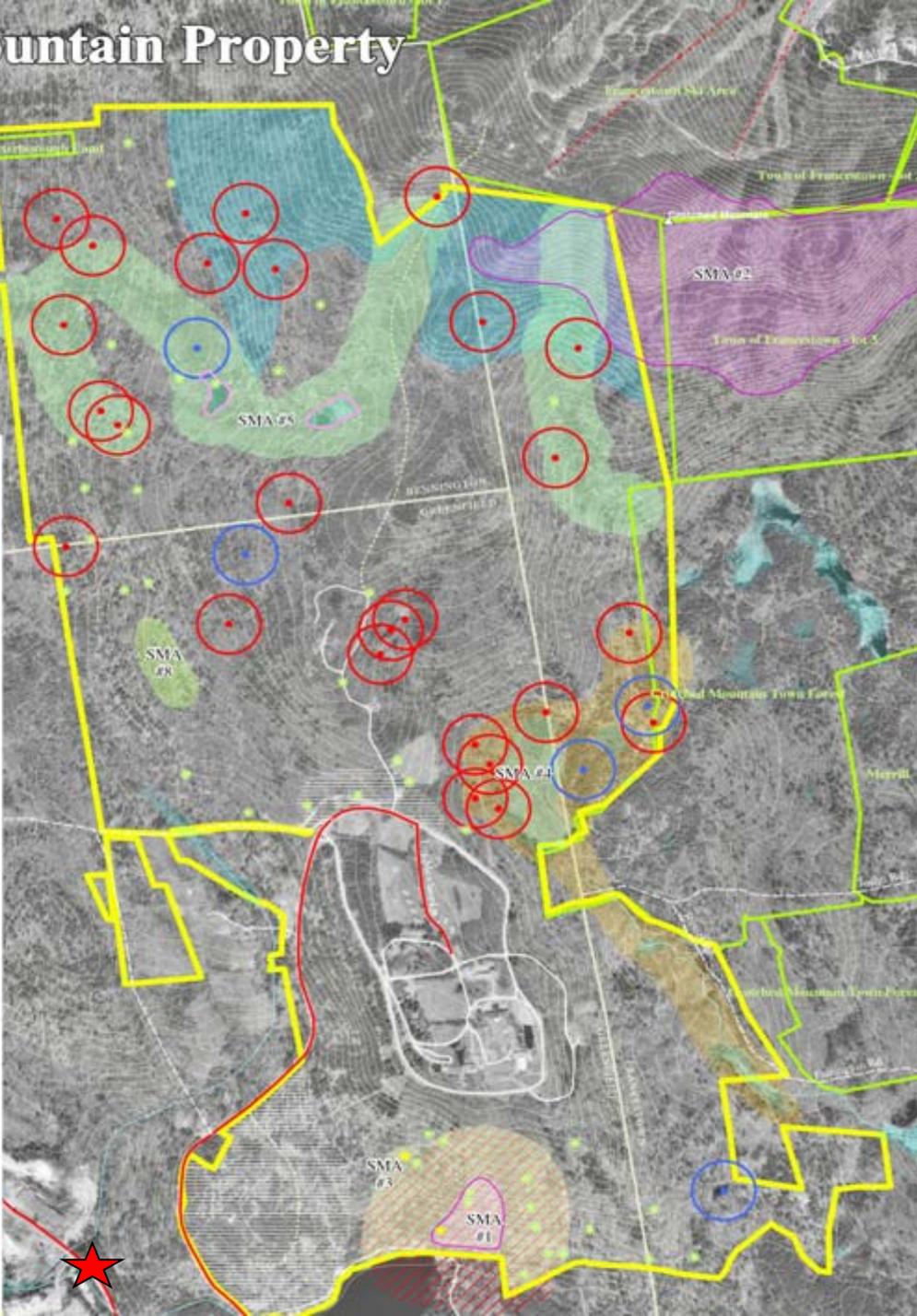
-  State Roads
-  Local Roads
-  Not Maintained
-  Trails
-  Ski Lifts

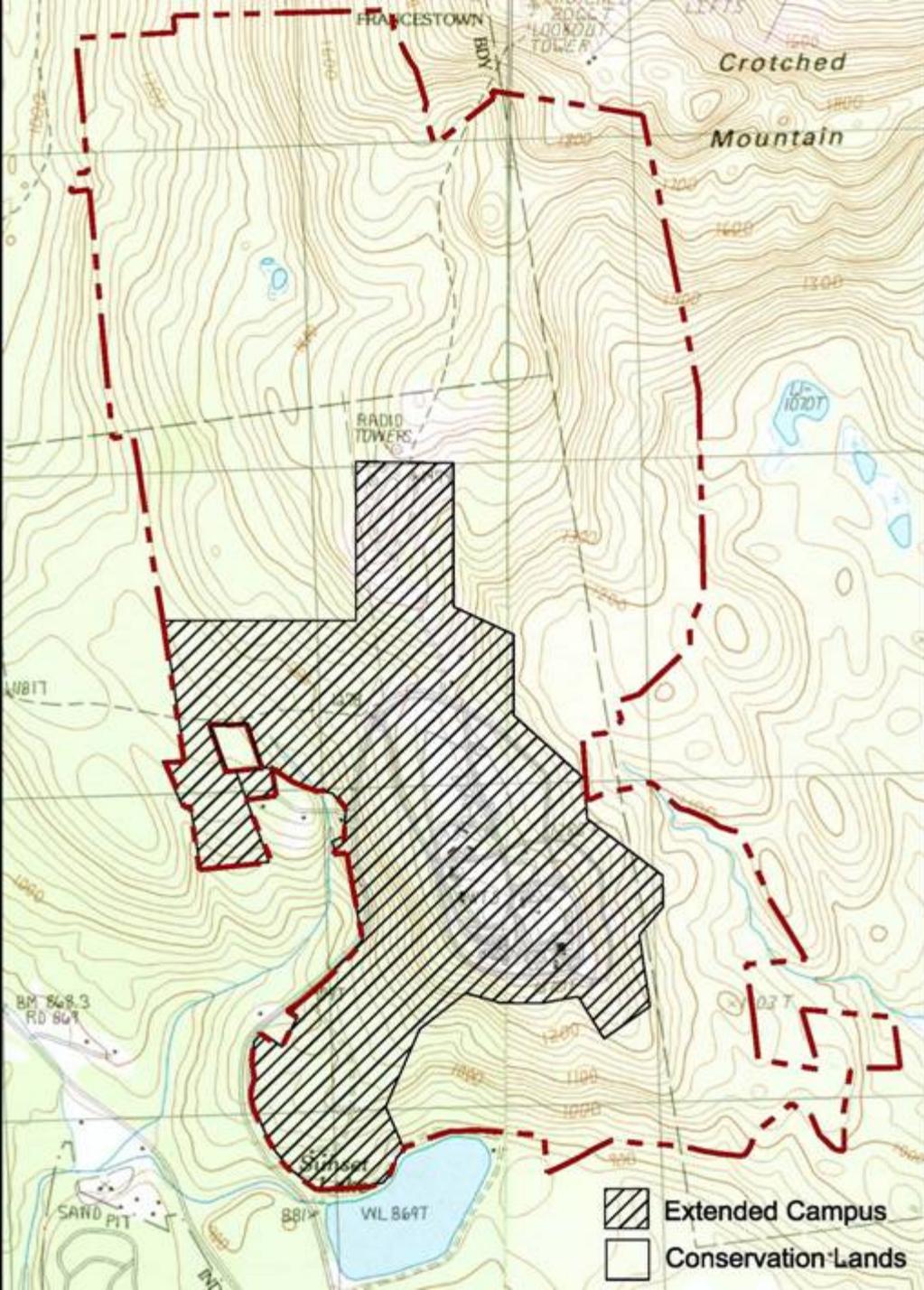
Hydrography

-  Streams
-  Wetlands (USGS / NWI Composite)

Property Boundaries

-  Town Boundaries





Crotched Mountain Forest Legacy Project

- 1200 acres being placed in easement
- Will leverage 1,000+ acres of additional conserved land



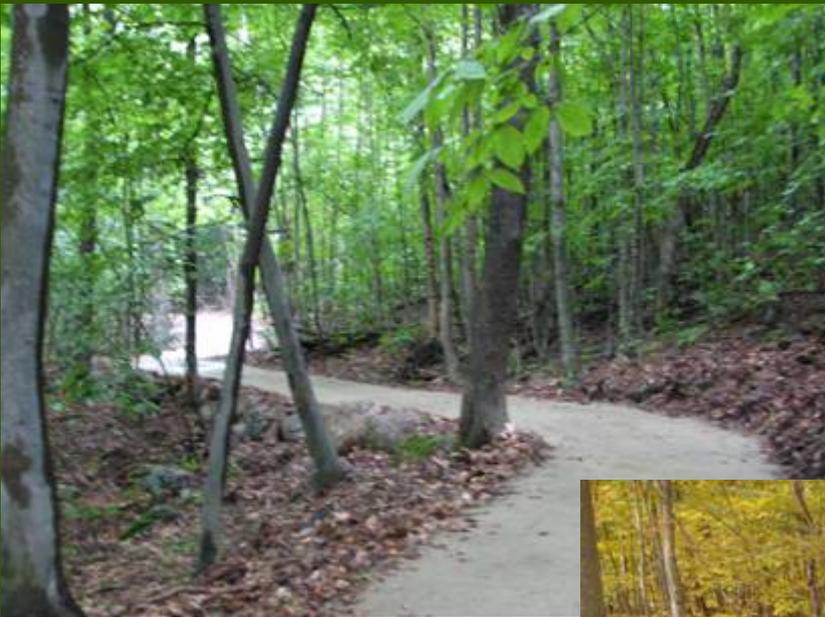
Outdoor Recreation Master Plan

PROVIDING RECREATION ACTIVITIES FOR PEOPLE OF
ALL ABILITIES IN THE SAME ENVIRONMENT



CROTCHED
MOUNTAIN

Completed Outdoor Recreation Master Plan in 2006. Worked with Tom Kokx of Gilford, NH, former project planner with US Forest Service. The plan received Merit Award from Boston Society of Landscape Architects



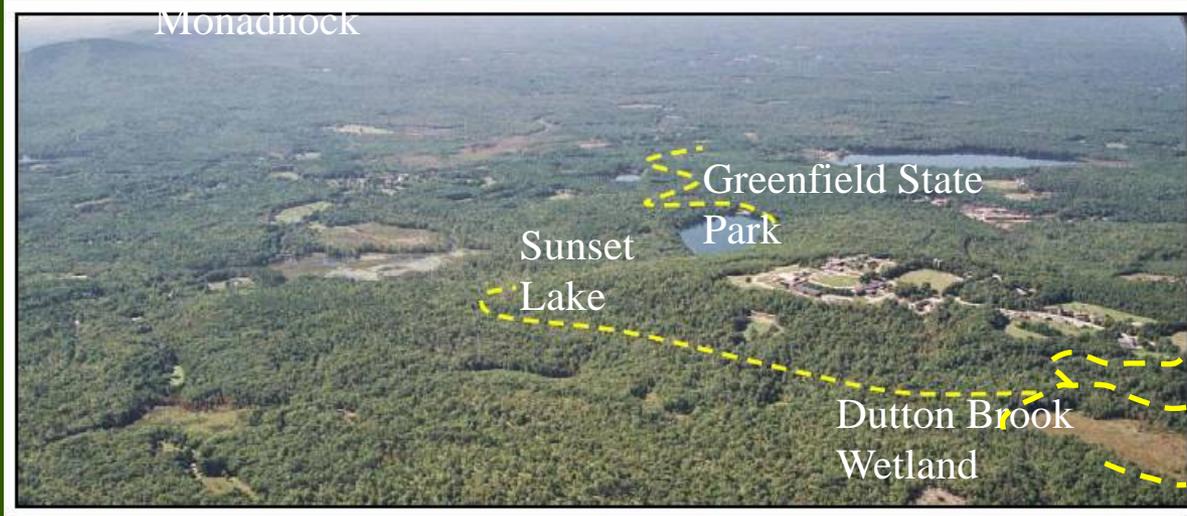
Outdoor Accessible Recreation Project

- Crotched Mountain will build 4+ miles of accessible trails, camping, an outdoor education center and other outdoor recreation opportunities
- The trails and other facilities will be built to universal design standards so that everyone is able to participate



Pack

Monadnock



Hiking Trails that rise over 600 feet at an accessible grade, through wetlands and forest, and connect with existing trails



Trail Building Is
Very Hard Work!











