Michaux Trails: Towards a Future We Want





There is pleasure in the pathless woods
There is rapture on the lonely shore
There is society where none intrudes
By deep sea, and music in its
roar;

I love not man the less, but Nature more,

From these our interviews. . . .

Lord Byron

Childe Harold's Pilgrimage

One must be moved, but one needs to be moved in the right direction, where "right" means with appropriate appreciation of what is actually going on."

Holmes Rolston III, "Aesthetics and the Forest Experience"









Ecosystems bind life up into discrete individuals and cast them forth to make a way resourcefully through their environment. . . . The picture we need. . . is of community that packages everything up into individual lives and binds them together loosely (that is, freely) enough that individuals remain gems in a setting, yet tightly enough that the generating, maintaining system is prior to individual life.

Holmes Rolston

"Duties to Ecosystems"

Overview

- Part 1: Michaux Trails in Context
 - Demographic and Landscape
 - Baselining a complex trail system (some noodles worth noting)
 - Launching points towards better trails

- Part 2: The Importance of [Michaux] Trails
 - Trails as Indicators
 - Trails as Structural Opportunities for Adaptive Management and Intercessory Action
 - Next Steps





1 Michaux

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Buffer of 10 Miles Buffer of 20 Miles Buffer of 30 Miles Buffer of 40 Miles

Wednesday, January 06, 2016

2437

15180

6598

23198

Buffer of 50 Miles Buffer of 60 Miles

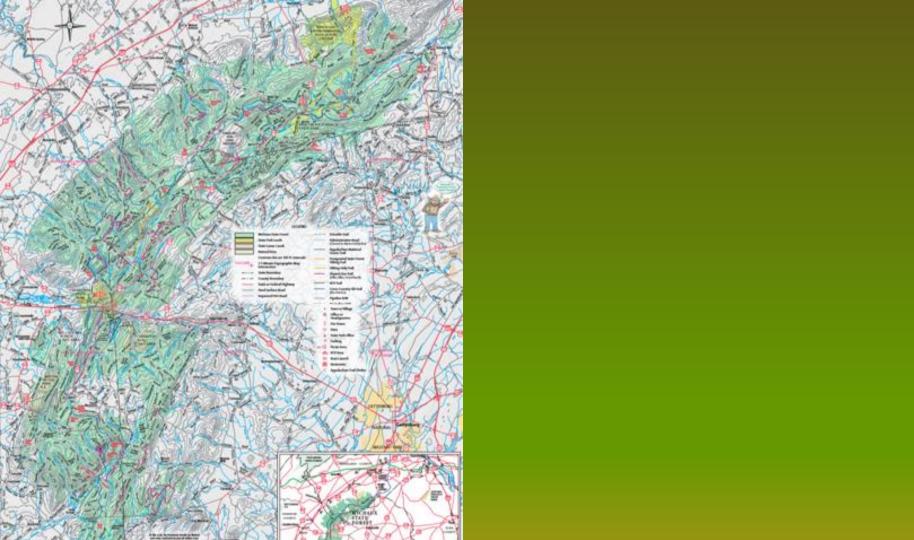
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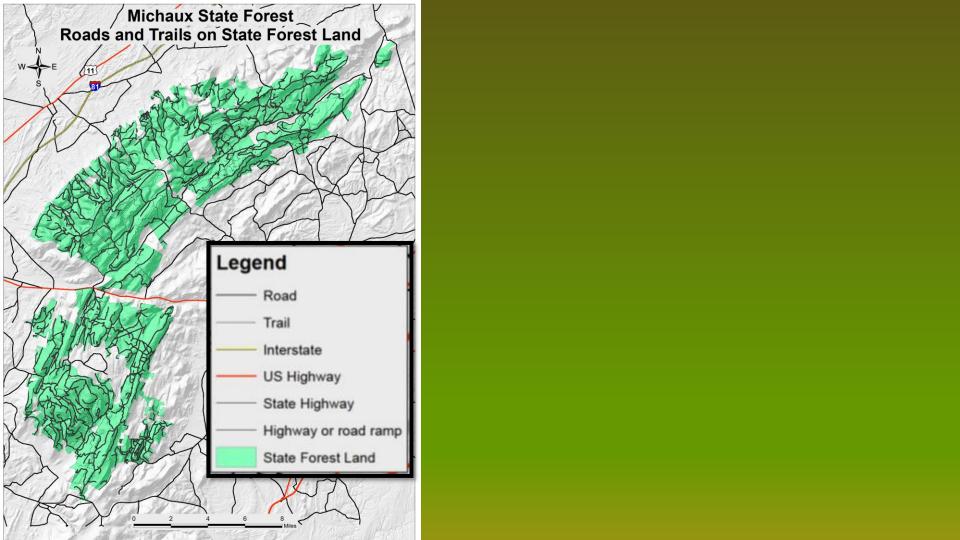
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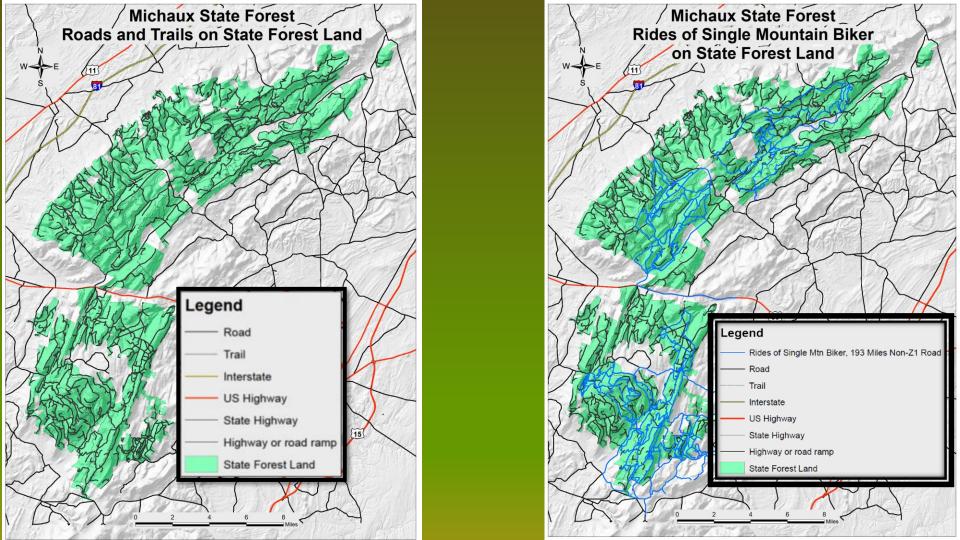
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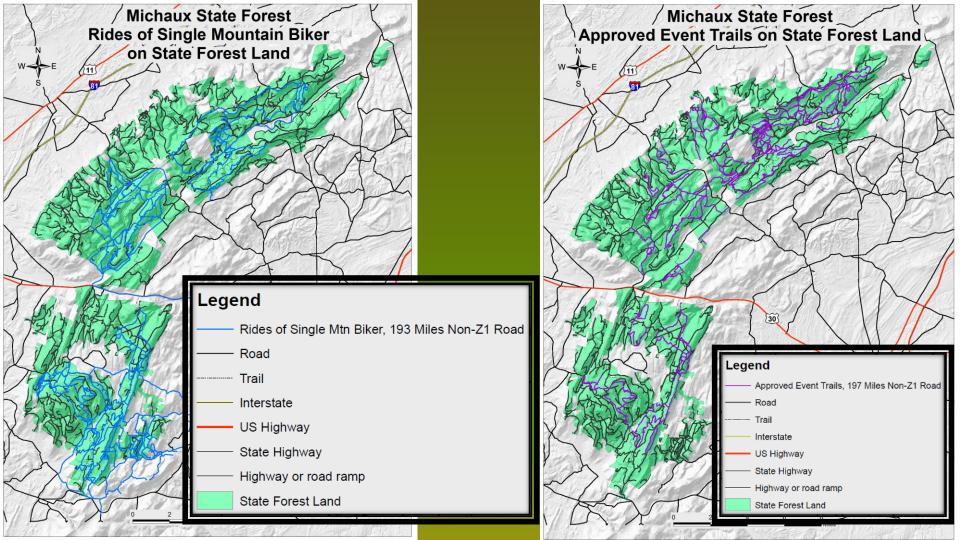
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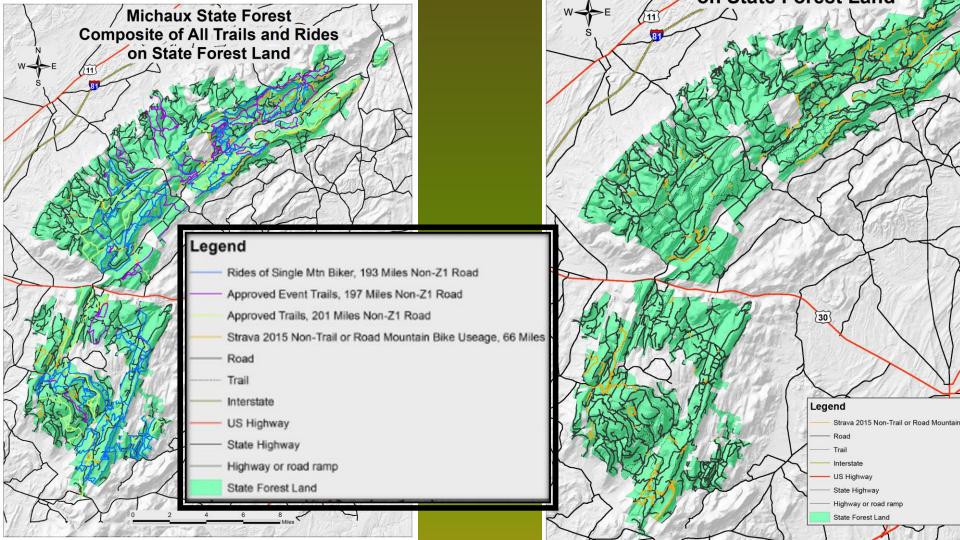


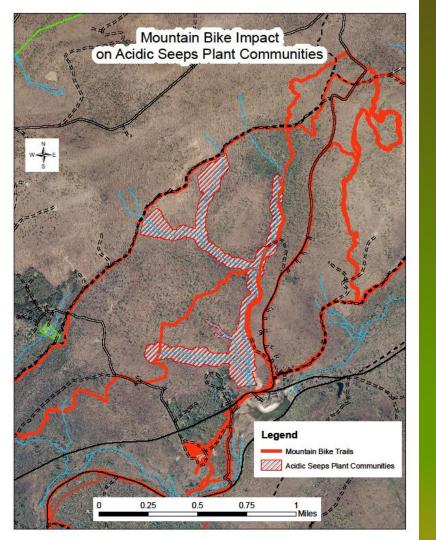


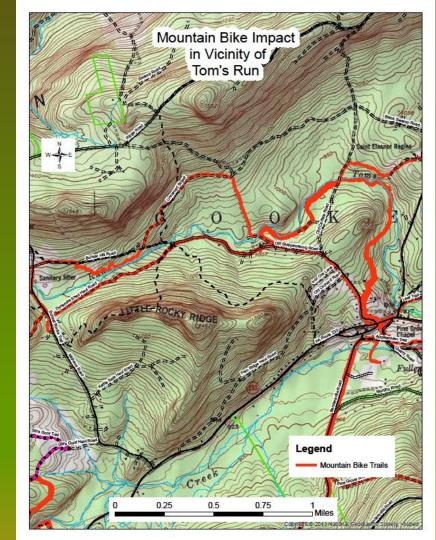


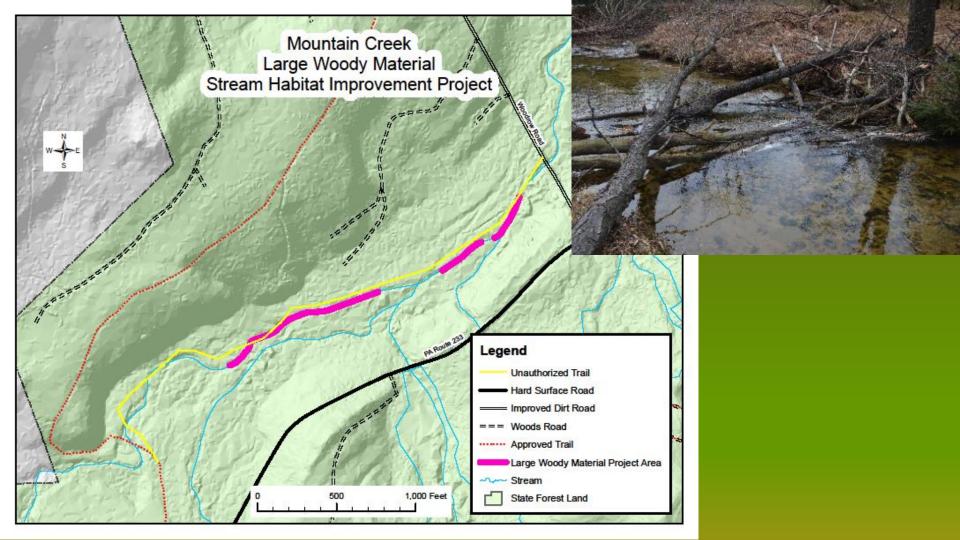






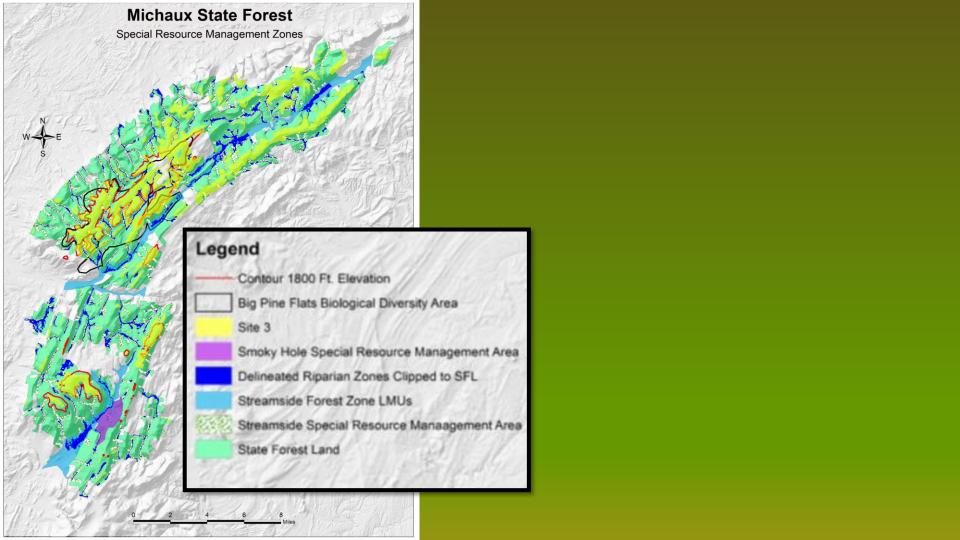


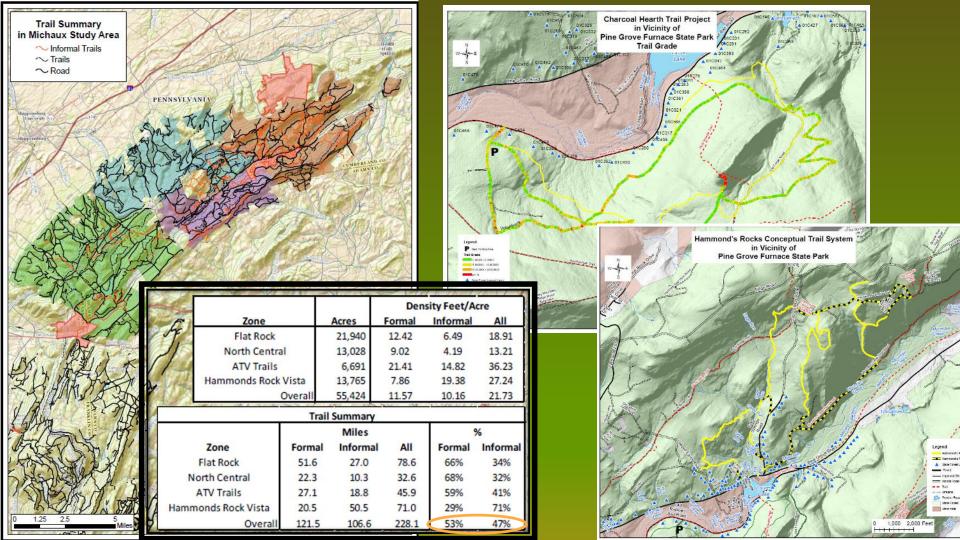


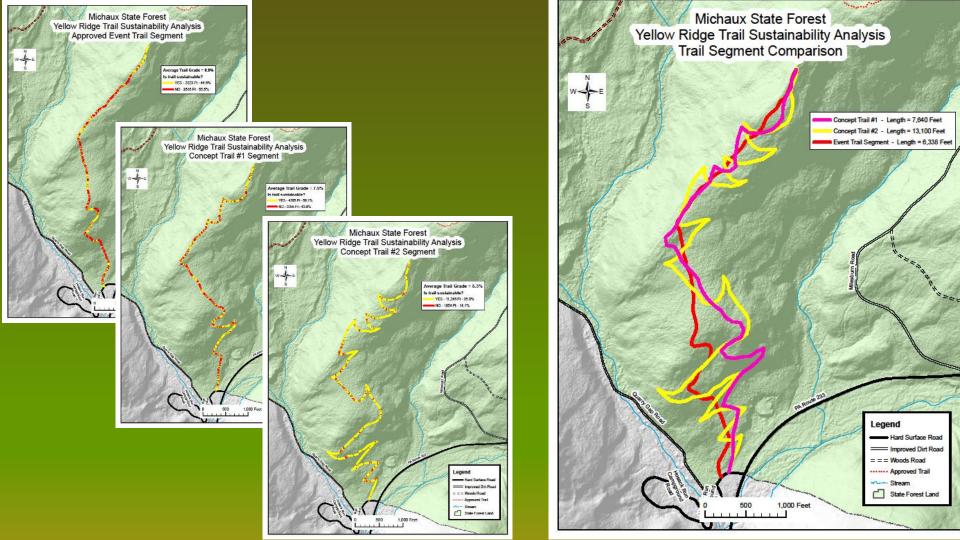


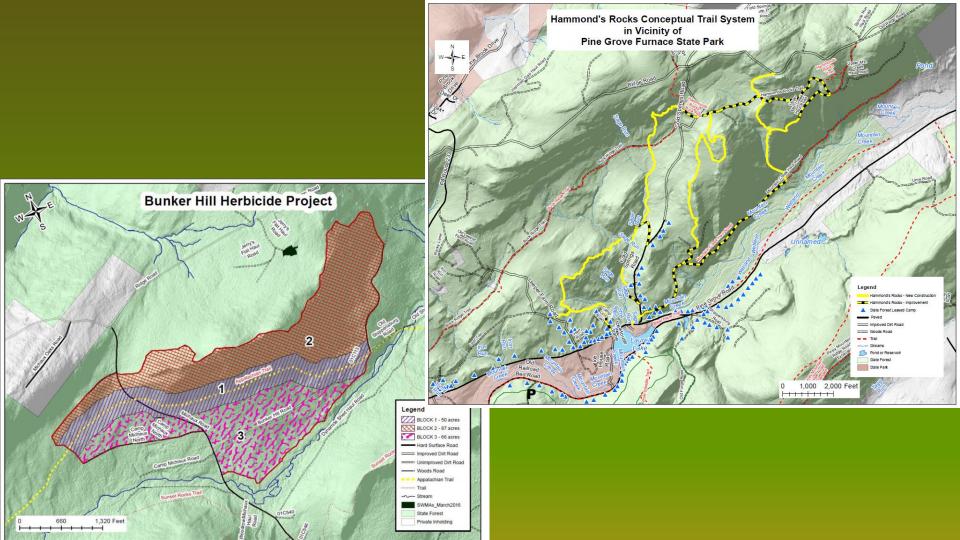
Michaux Forest District Goals (pp. 50-51)

- 1. Diversify the age class structure, diversity, and resilience of the forest
- 2. Sustain and restore eco-regionally significant plants, forest types and custodial wildlife species
- 3. Provide sustainable and high quality trail and forest use experiences within the Michaux
- 4. Develop the District's Capacity and Preparedness in Fire Suppression and Management
- 5. Provide outreach and education opportunities that engage others in sustaining forests within the district





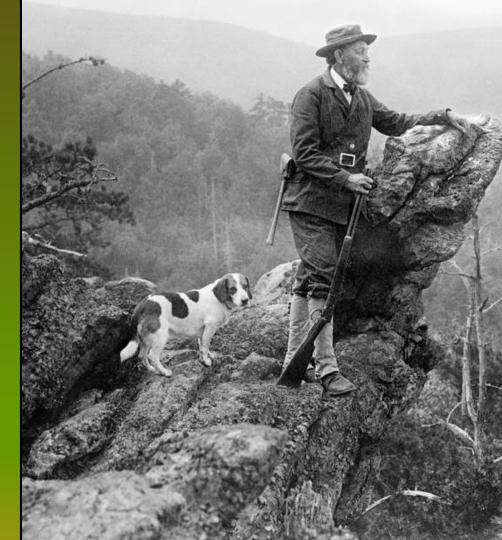






Part 2: The Importance of [Michaux] Trails

What is a "Good" Trail?





DESIRED FUTURE CONDITIONS

STABLE, PROFITABLE, AND DIVERSE INDUSTRY

CULTURAL VALUE FOR WORKING FORESTS AT STATE AND LOCAL GOVERNMENT LEVEL

STRONG CIVIC SUPPORT FOR STEWARDSHIP, OUTDOOR RECREATION, AND FOREST
BASED ENTREPRENEURSHIP

ABATING CARBON EMISSIONS

CO2 NEUTRALITY

STABILIZED WILDLIFE AND PLANT ECOLOGY VALUED BY SOCIETY

ECOLOGICALLY AND CULTURALLY DIVERSE, LIVABLE URBAN AND RURAL COMMUNITIES

BROAD BASED CULTURAL STEWARDSHIP AND COMMUNITY ETHIC

Roy Brubaker Trails on the Michaux

CHANGE DRIVERS

- Reduced Base Flows
- Warmer stream temps
- Shorter vernal pond fill
- Regulations
- Fragmentation
- Parcelization
- Development
- Invasive species
- Global Market Competition
- Global Market Opportunity
- Increased tree mortality
- Lower quality wood
- Herbicide resistance

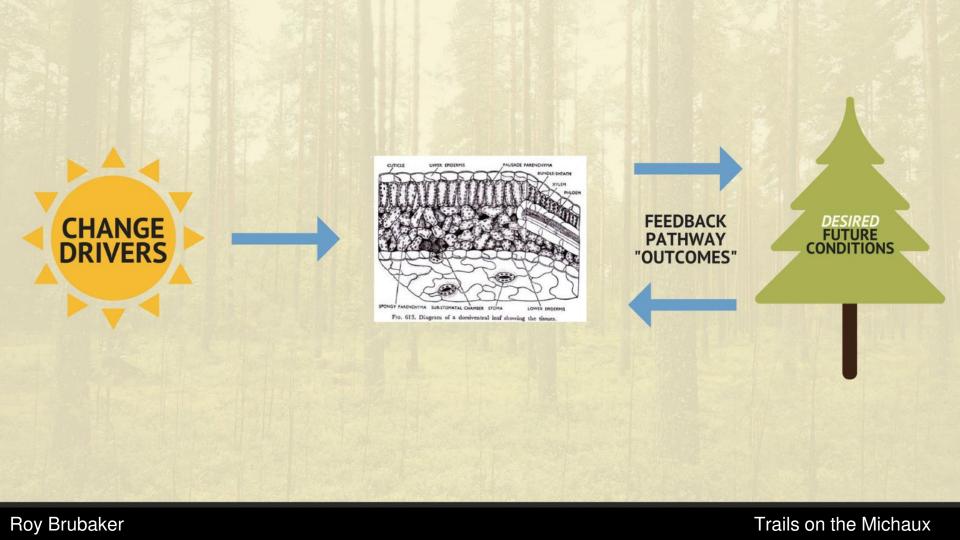
- Hotter Hots
- Wetter Wets
- Drier Dries
- Insurance Premium Increases
- Bond rate decreases
- Demographic Shifts from Coasts
- Demographic Shifts from SW
- Increased fire intensity
- Species range migration
- Species extirpation
- Species Extinction

FUTURE CONDITIONS

VS

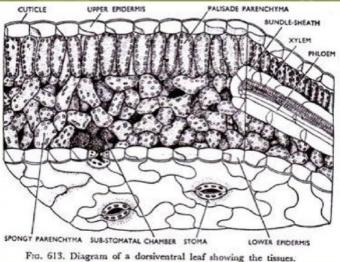
DESIRED FUTURE CONDITION

Roy Brubaker Trails on the Michaux





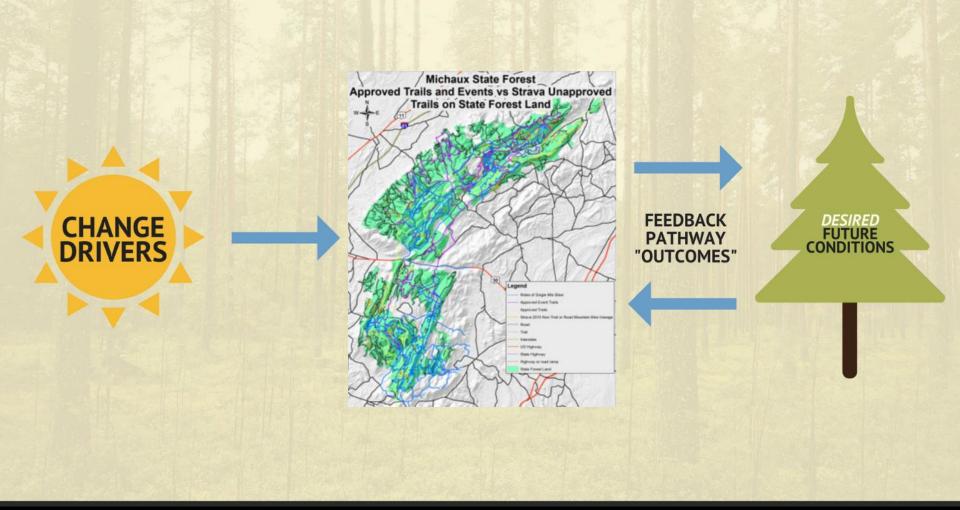






Intercession visualizes an alternative future to the one apparently fated by the momentum of current contradictory forces. It infuses the air of a time yet to be into the suffocating atmosphere of the present. . .

WALTER WINK, 1993



Roy Brubaker Trails on the Michaux

STATE FOREST PUBLIC MEETING

WHEN January 30, 2019 6:30 PM

WHERE

Norlo Park Community Center

3050 Lincoln Way East, Fayetteville, PA 17222

Meet with a representative of the Pennsylvania Parks & Forests Foundation and find out how a "friends group" can benefit the forest. Help us:

- · Plan the future of Michaux State Forest
- Organize events
- Raise money
- · Maintain trails and public spaces
- Make Michaux State Forest the center for southcentral Pennsylvania outdoor recreation

For additional information, contact: Matt Puchalsky, Forester | 717.352.2211 LOOKING FOR A WAY TO IMPACT THE FUTURE OF YOUR COMMUNITY?

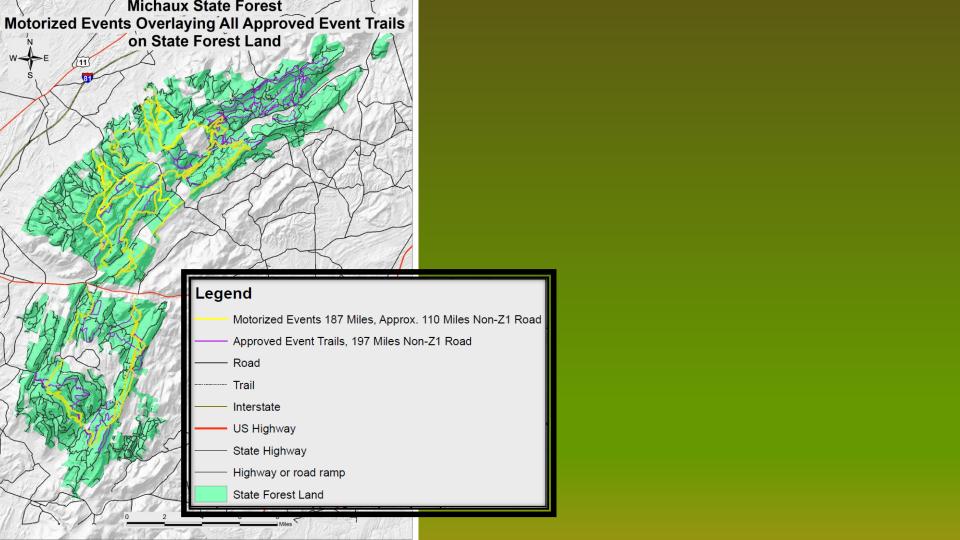
We have the answer!

Come to an informational meeting on formation of the Friends of Michaux State Forest



QUESTIONS?







Michaux Forest District

Priority Habitat Areas and Initiatives

Pitch Pine/Scrub Oak Barren's restoration

Dead Woman Hollow/Big Pine Flats

Site 3 Commercial/non-commercial fire mediated habitat treatments

Spruce Run/Hammond's Rocks Vista Sale

Hairy Spring's Planned Burn Project

Stream, Vernal Pond, and Grouse Micro-site Management

Mountain Creek and Conodoguinett Large Woody Materials Project Edge/nesting habitat around Special Wildlife Management Areas

Plant Propagation and Assisted Colonization/Reintroduction Efforts

Lupine, Short leaf pine, Allegheny chinquapin, Orchid spp.,

Shared Use Trail System Redesign

Implementation of Michaux Trail Assessment report

Conceptual Trail loop initiatives designed/implemented Staff and Volunteer Trail Stewardship Capacity building

Learning Landscapes Initiatives

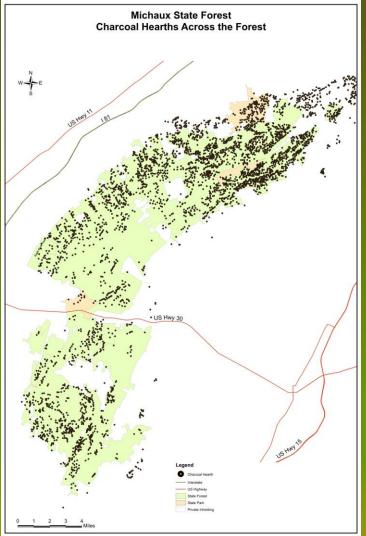
Camp Michaux

Strawberry Hill/Glatfelter

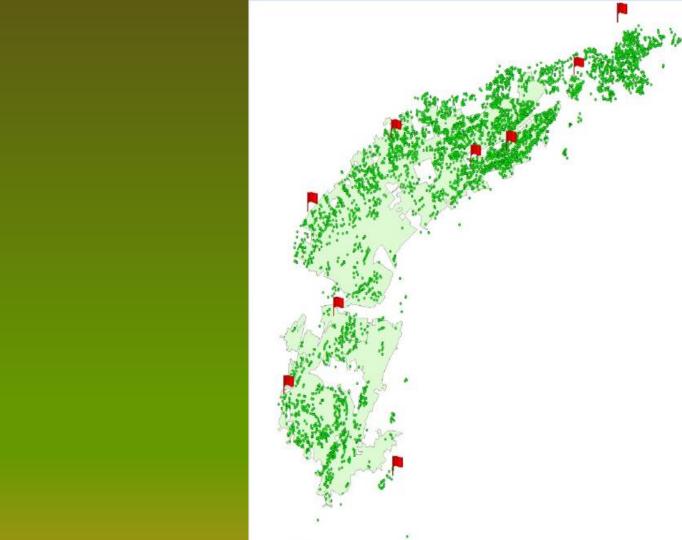
Part 2: Context. Michaux Chronology

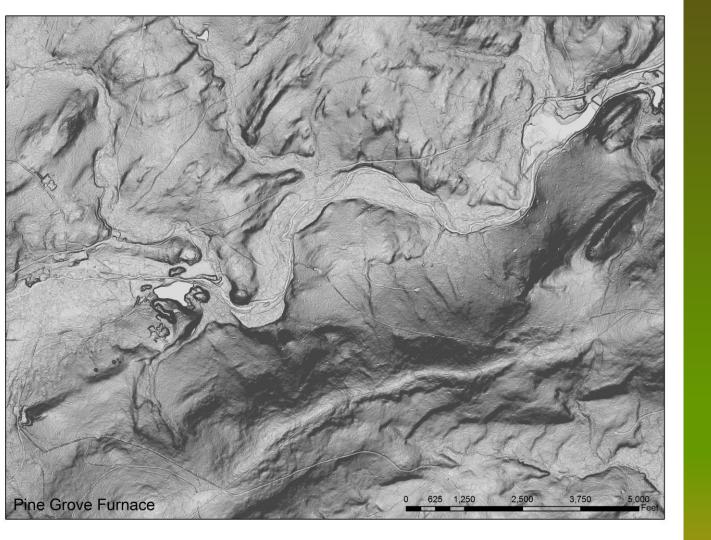
- Pre-European Settlement (10,000 years ago 1550 AD)
- Early Settlement (1600s-1750)
- Industrial Era Land Use 1750-1900)
- Forest Conservation (Rest/Regrowth/Regulated Harvest/Recreation Happens) 1900-2000
- Today (Transition to "Ecosystem Management") 2000-??





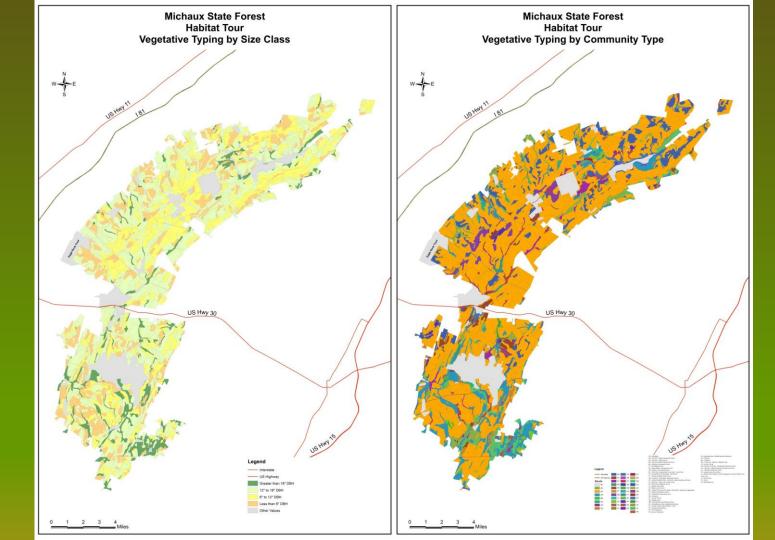


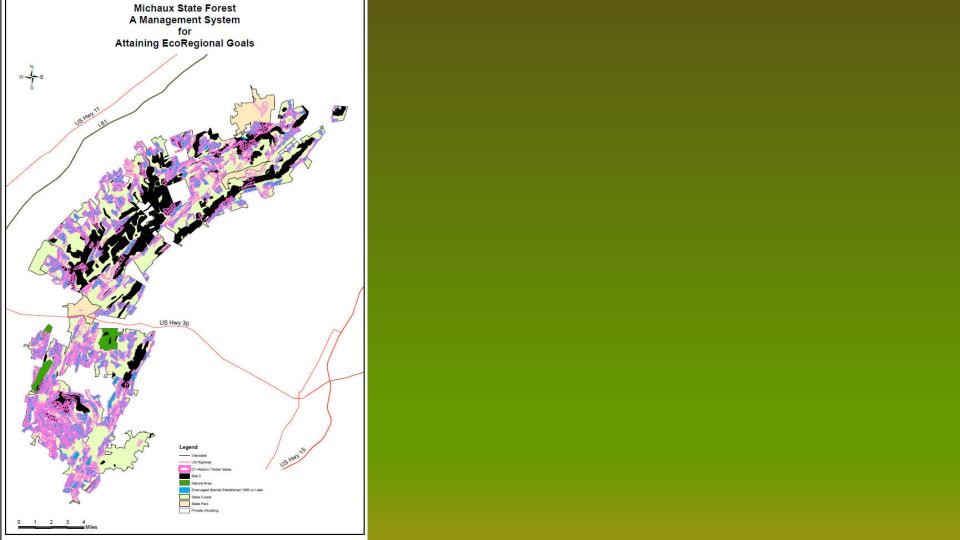












Event Trails with Motorized Highlighted

- . . . the miracle of Earth is that nature decorates this geomorphology with life. Trees evoke this genesis and biological power: Eden with its tree of life, or the shoot growing out of the stump of Jesse, or the cedars of Lebanon again and again there is life's transient beauty sustained over chaos, life persisting in the midst of its perpetual perishing. A visit to a forest contributes to the human sense of place in space and time, of duration, antiquity, continuity. There one encounters 'the types and symbols of Eternity' (Wordsworth)"
- Holmes Rolston III <u>"Aesthetics and the Forest Experience"</u>

. . . Those who can count the needle fascicles and get the species right, if they never experience goose pimples when the wind whips through the pines, fail as much as do the poets in their naïve romanticism. Nevertheless, only when moving through the science to the deeper aesthetic experiences that are enriched by science can the forest be most adequately known. Aestheticians are often not comfortable with this; they want to insist on human capacities to confront nature in relative independence of science. One must be moved, but one needs to be moved in the right direction, where "right" means with appropriate appreciation of what is actually going on."

Holmes Rolston III, "Aesthetics and the Forest Experience"

Constraints

Policies based on untested or evidence based assumptions – Ex: Negative Signage Policy, Rec forest constraints on timber sale size, Organized/large event approval process

Decision making and prioritization

Direct and Opportunity Costs of Administrative Burden (Administrative Carrying Capacity – both centralized and district roles)

State of the Disciplines

Lack of *Trans-disciplinary* Coherence among Forestry and Trail/Rec professionals. (Certification?)



Roy Brubaker Trails on the Michaux

TEND OUR RESOURCES AS GIFTS

INVITE THE COMMONWEALTH TO PARTICIPATE

WORK DESIRED FUTURE CONDITIONS INTO BEING



Roy Brubaker Trails on the Michaux



Roy Brubaker Trails on the Michaux