Key Program Elements for Muckross State Park

- **Education**
  - Onsite and off-site school programs
  - Summer day camp
  - Public events
  - Onsite home for educational programs (pavilion, hike-to lean-to structure)
  - Interpretive trail/boardwalk

- **Recreation**
  - Passive recreation
    - Trails
    - Pond Access for paddling
    - Scout/group access
• Linkage to larger regional trail system
• Parking/restroom/trailhead facilities
• Accessible trail and facilities

• History
  o Stabilize Historic Core Buildings
  o Future renovation for public use

Implementation

Phase 1: Improve Road, Replace Bridge, Repair Dam, Stabilize Historic Core, prevent further deterioration

Phase 2: Provide Limited Recreational Access – Trailhead, toilet facility, trail system, parking

Phase 3: Construct Educational Pavilion, hike-to lean-to, Interpretive Trail and parking, renovate smaller Historic Core buildings for public event space

Phase 4: Re-establish onsite net-metered hydroelectric power generation

Phase 5: Complete renovations of Main House and other Historic Core buildings
Site Overview

- 204 acre wooded property
- Less than two miles from Downtown Springfield
- Along Route 11 and accessible from the Toonerville Trail
- Contains woodlands, historic homestead compound, trails and logging roads, waterfall, and a pond
Project Background

• In July of 2016, FPR accepted the donation of the estate of former State Senator Edgar May

• Mr. May’s vision:
  • A state park for ALL, especially the local community
  • Provide recreation and education opportunities, particularly for children of all economic backgrounds

• In August 2015, the Muckross Environmental Education and Outdoor Recreation Day Camp was founded to meet that vision

• Master Plan is an opportunity to develop a conceptual design for the new state park
What is the Muckross State Park Master Plan?

The goals of the master plan to meet Mr. May and FPR’s vision for the property include:

Site Design

- Basic improvements to vehicular and pedestrian circulation, including entry drive and bridge
- Redevelop surrounding landscape of homestead to support desired programming and activities
- Develop a comprehensive trail system to support dispersed recreation and multiple user groups on the property
- Maintain the current character of the site
- Develop opportunities for public parking
What is the Muckross State Park Master Plan?

The goals of the master plan to meet Mr. May and FPR’s vision for the property include:

**Building Design and Rehabilitation**
- Explore rehabilitation of existing structures to meet desired program
- Propose one or two new structures to meet program requirements
- Provide accessibility to all public structures
- Achieve net-zero development for the rehabilitated and proposed structures
- Rehabilitate the existing hydro-power building to generate power
What is the Muckross State Park Master Plan?

The goals of the master plan to meet Mr. May and FPR’s vision for the property include:

**Programming**

- Support local programming of youth and elder education and programs
- Host the Muckross Environmental Education and Outdoor Recreation Day Camp
- Develop dispersed recreation opportunities to occur throughout the site
- Allow residents and children to connect with nature
- Consider potential for hosting conferences and events
Design Standards

- Efficient, high quality, and lower impact design for site and buildings
- Lake Wise Program
- IMBA Trail Standards
- LEED Building Standards / Net Zero Energy Footprint
Context Map
Historic Muckross Architecture

Original Muckross House
Gate House

Muckross 1930
Tool Shed

Dove House Plan
Guest House

Muckross State Park Master Plan
Current Muckross Architecture

1. Main House
2. Guest House
3. Ice House
4. Garage
5. Dove House
6. 3 Bay Pole Barn
7. Changing Rooms
8. Salt Shed

Muckross State Park Master Plan
Site Issues

A. Site Entry/Gate
B. Entry Drive Slopes and Erosion
C. Steep Trail from Salt Shed
D. Pond access path
E. Invasive Species
F. Deteriorated Pedestrian Bridge
G. Three-bay pole barn location
H. Grades at Gate House
I. Greenhouse Foundation Hole
J. Main House Patio
K. Old Cabin site stone chimney

KEY OF SITE ISSUES
A- Accessibility
S- Safety
D- Drainage
E- Environment
M- Maintenance
T- Aesthetics

Muckross State Park Master Plan
Concept Plan: Overall Park & Trails
Concept Plan: Park Core

Muckross State Park Master Plan
Concept Plan: Park Core
March 6, 2018

Key
1. Trailhead to interpretive trail
   - Eco system: River/Ridgefall/Wetland, Forest
2. Payette-Made to maintain of waterfall
3. Upgraded bridge and path to power house
4. Trailhead composting toilet
5. Bus drop-off and turnaround space + trailhead to pond loop path and other trails
6. Environmental education and day camp pavilion
   - Composting toilets
   - Picnic area
7. Accessible path to pond with sloped lawn seating
   - Some thinning of trees/understory for views/grading
   - Maintained path leading close to pond
   - Potential amphitheater seating
8. Pedestrian bridge at dam
   - View location
   - Platform for fishing
9. Dock for water access (kayak/canoe launch)
10. Lawn picnic area
    - Existing historic changing structures to be used for storage
11. Renovated Gate House to serve as potential Welcome Center
12. Gravel paving to be converted to green space
13. Bus/emergency vehicle turnaround
14. 3 Bay Pole Barn converted to picnic/event pavilion
15. Renovated Dove House to serve as potential enclosed shelter space for private events
16. Active recreation area
    - Horseshoe courts
    - Volleyball court
17. Trailhead to pond loop path + historic cabin site
18. Event Lawn
19. Potential future rennovation of Main House and outdoor terrace
    - Use and partner entity to be determined
20. Pavement for viewing of waterfall
21. Tree thinning required
22. Picnic spot/pavilion
23. Potential tree thinning to open view of pond
24. Accessible wetland area
25. Rustic multi-use pavilion adjacent to existing fireplace/chimney
    - Scout camping warming hut
    - Outdoor classroom
26. Fire pit
27. View location/picnic spot
    - Boulder edge to mark top of steep slope
28. Water access with bridge over gully

Legend
- Park Boundary
- Proposed Parking
- Existing Building
- Proposed Building

Contour Interval: 2'
Concept Plan: Educational Pavilion / Pond Access Area
Concept Plan: Historic Building Complex

Muckross State Park Master Plan

Key:

1. Trailhead to interpretive trail
2. 1 Ecosystems: River/Waterfall, Wetland, Forest
3. Pause place at bottom of waterfall
4. Upgraded bridge and path to power house
5. Trailhead composting toilet
6. Bus drop-off and turnaround space + trailhead to pond loop path and other trails
7. Environmental education and day camp pavilion
   - Composting toilets
   - Fireplace
   - Picnic area
8. Accessible path to pond with sloped lawn seating
9. Some thinning of trees/understory for view grading
10. Maintain planted buffer close to pond
11. Potential amphitheater seating
12. Pedestrian bridge at dam
13. Picnic location
14. Platform for fishing
15. Dock for water access (kayak/canoe launch)
16. Lawn picnic area
17. Existing historic changing structures to be used for storage
18. Renovated Gate House to serve as potential Welcome Center
19. Gravel paving to be converted to green space
20. Bus/emergency vehicle turnaround
21. 3-Bay Pole Barn converted to picnic/event pavilion
22. Renovated Elbow House to serve as potential enclosed shelter space for private events
23. Active recreation area
   - Horseshoe courts
   - Volleyball court
24. Trailhead to pond loop path + historic cabin site
25. Event lawn
26. Potential future renovation of Main House and outdoor terrace
27. Use and partner entity to be determined
28. Picnic area for viewing of waterfall
29. Tree thinning required
30. Picnic spot/pause place
31. Potential tree thinning to open up view of pond
32. Accessible picnic area
33. Rustic multi-use pavilion adjacent to existing fireplace/chimney
34. Scout camping/warming hut
35. Outdoor classroom
36. Fire pit
37. View location/picnic spot
38. Boulders edge to mark top of steep slope
39. Water access with bridge over gully

Muckross State Park Master Plan
Concept Plan: Historic Cabin Site

Muckross State Park Master Plan

Key

1. Trailhead to interpretive trail
   - Ecosystems: River/Waterfall, Wetland, Forest
2. Trailhead composting toilet
3. Upgraded bridge and path to power house
4. Upgraded bridge and path to pond loop path and other trails
5. Environmental education and day camp pavilion
   - Composting toilets
   - Fireplace
   - Picnic area
7. Accessible path to pond with sloped lawn seating
   - Some thinning of trees/understory for view grading
   - Maintain planted buffer close to pond
   - Potential amphitheater seating
8. Pedestrian bridge at dam
   - View location
   - Platform for fishing
9. Dock for water access (kayak/canoe launch)
10. Lawn picnic area
   - Existing historic changing structures to be used for storage
11. Renovated Gate House to serve as potential Welcome Center
12. Gravel paving to be converted to green space
13. Bus emergency vehicle turnaround
14. 3-Bay Pole Barn converted to picnic/event pavilion
15. Renovated Elbow House to serve as potential enclosures
   - Shelter space for private events
16. Active recreation area
   - Horseshoe courts
   - Volleyball court
17. Trailhead to pond loop path + historic cabin site
18. Event Lawn
19. Potential future renovation of Main House and outdoor terrace
   - Use and partner entity to be determined
20. Place for viewing of waterfall
   - True thinning required
21. Picnic spot/pause place
   - Potential tree thinning to open up view of pond
22. Accessible wild play area
23. Rustic multi-use pavilion adjacent to existing fireplace/chimney
   - Scout camping/warming hut
   - Outdoor classroom
24. Fire pit
25. View location/picnic spot
   - Breaks edge to mark top of steep slope
26. Water access with bridge over gully
Existing Buildings

- **Garage**: 100 SF Toilet, Trailhead Composting Unit, 268 SF Storage
- **Gate House**: 1,660 SF Existing, 1,194 SF Proposed (Plus 810 SF Basement)
- **Dove House**: 710 SF Existing, 470 SF Proposed
- **Main House**: 1,520 SF
- **1,875 SF**
- **3,125 SF**
- **5,830 SF Interior, 990 SF Porches (Plus 3,630 SF Basement)**

**Legend**:
- Orange: Demo
- Light Blue: Event/Support
- Purple: Retreat Lodging/Support
- Green: Staff Housing
- Grey: Toilet/Storage
Pole Barn Pavilion
Lean To