

## Great North Woods Management Area 2014 Road Summary

This is a brief summary of the road maintenance activities and expenditures for the 2014 operations of the Connecticut Lakes Headwaters Working Forest.

### Grading and Raking:

72+ miles of road was graded, including raking, taking 7-8 passes per mile totaling over 500 miles of road surface was raked. No roads were compacted during this grading season. Less miles of grading took place due to heavy grass cover, rain and ditch line being over taken by brush.

### Culverts:

A total of 40+ culverts were installed on the property for rehabilitation, on-going maintenance and flooding. The culverts were purchased through DRED. The resetting of 20+ pipes was accomplished by our staff and outside contractors. On hand we have 20 pipes that were purchased through the Capital Parks account with the intention of being installed on Cedar Stream Road.

### Ditch Maintenance:

Through outside contractors and our staff, 13 miles ditch lines were cleaned and repaired with our staff and outside contractor's grader. 5 miles of long term preventative ditch line maintenance was performed on Perry Stream.

### New Construction:

N/A.

### Road Rehabilitation and Repair:

Rehab continued on Perry Stream, with culvert replacement and resetting. Reshaping of the road surface was accomplished and 3 miles of crushed gravel (4835yards) was placed. Limited rehab work was performed on several roads such as Round Pond, Deadwater Loop and Indian Stream.

**Mowing:** Outside contracts were in place to mow Indian Stream and the East Branch of Indian Stream, 6 miles of road was mowed

N/A

**Bridge Repair:**

Deck runners were replaced in several locations

**Signage:**

More mile marker signs and posts were installed on proposed logging operations by Trails Bureau and the Ridge Runners.

**Friends Groups:**

Limited work performed on the road system by friends group this season.

**Comments & projected projects:**

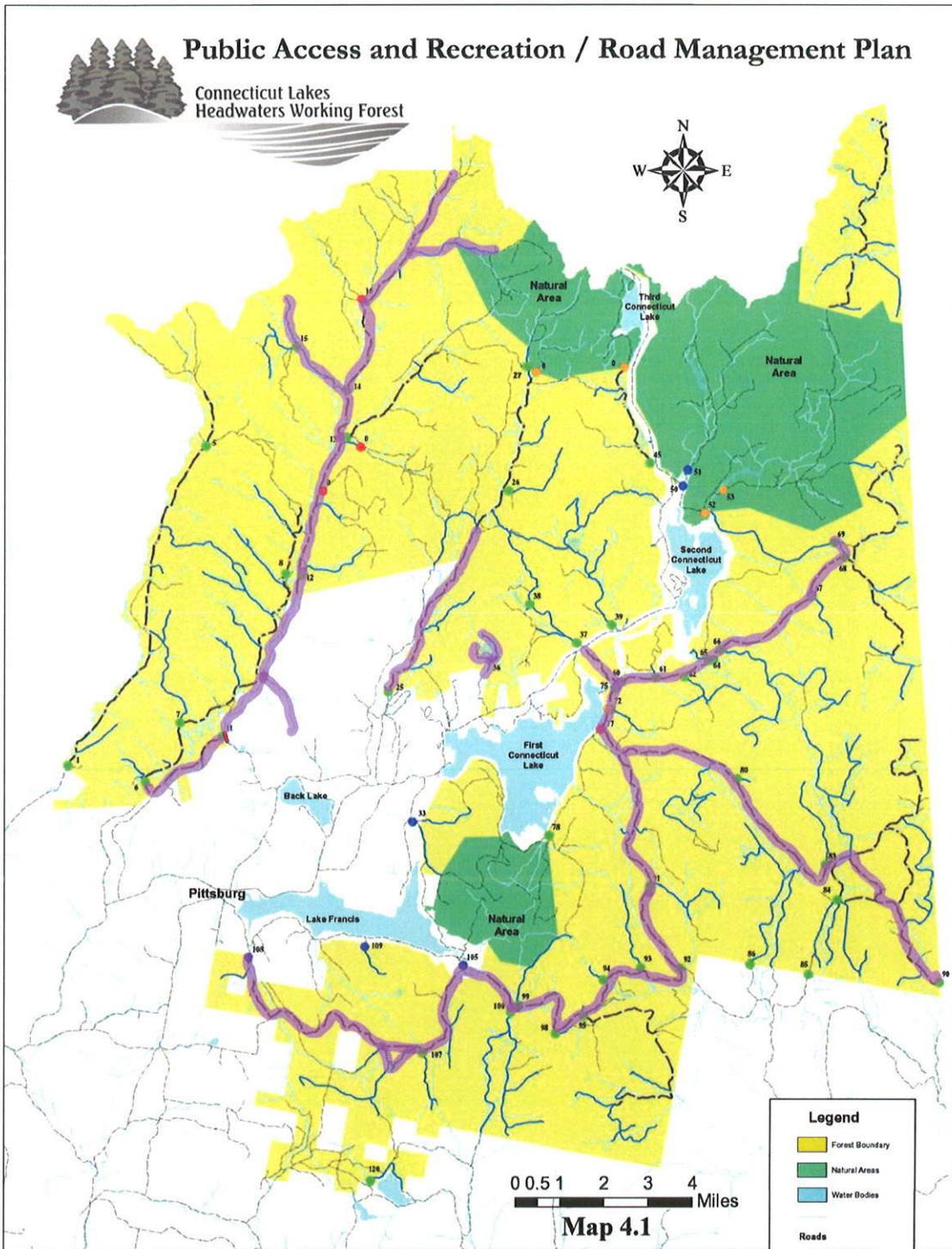
1. **The crushed gravel roads:** There will be continued effort to get the roads graded and raked in a timely manner for early road openings.
2. **Road work to be performed:** The balance of this year's fiscal capital money will be used on the Cedar Steam and Magalloway Road system for culverts and gravel. A discussion is needed for the next long term capital project for Fiscal 15-16? Fiscal 17-18 will be the redecking of the bridge crossing Indian Stream leading to the West Side.
3. **Ditch Work - Rehab:** Halls Stream, Pierce Camp, Wardens Camp, Hawk Road, Meadow Brook Road, Pesky Brook Road and Garfield Falls. Most of this work will evolve around the Summer/Winter forest management operations.
4. **Grading & Rake:** Ref: Schedule Recreation Plan.
5. **Mowing:** Ref: Schedule Recreation Plan. A concerted effort needs to be made on Road side mowing as it continues to overtake the current ditch line water flow and visibility safety.

6. **Gravel:** Spot gravel where needed. Discussion on priority of crushed gravel is needed.
7. **Culverts:** Purchase culverts for replacement on all designated roads. A limited number of pipes on hand for general maintenance.
8. **Mile marker signs/post:** More signs and post will be purchased & installed for new logging operations information and safety.
9. **Building:** A maintenance facility and storage area is still under construction at Lake Francis State Park.
10. **Equipment & Equipment Rentals:** At the current mowing schedule we can't stay ahead of the growth, more mowing is needed for maintenance and safety on a yearly basis. The Great North Woods staff recommends the purchase of a mower or several summers of mowing by rental contracts.
11. **Emergency Repairs:** Minor repairs were needed in the 2014 season.
12. **Friends Groups:** The Trails and Park staff will work closely with The Department of Safety, ATV, Equestrian, and all other friends groups to sign trails-roads for safety and ease around the property.
13. **See attached proposed AOP 2015 Trail Maintenance Map**

**COMMENTS:**

EXPENSES:	2011	2012	2013	2014
Service Contracts Equipment Rental: grading, ditching, culvert replacement	28,914.50	106,075.00	46,782.50	136,398.80
Service Contracts Equipment Rental: bridge maintenance	1,770.00	30,810.00	0.00	0.00
Bridge Materials: waste blocks, beams, decking	345.14	18,247.23	2,522.21	985.64
Road Maintenance Materials: culverts, gravel, fabric	25,434.31	24,495.20	20,939.77	40,879.05
Service Contract New Construction	0.00	0.00	0.00	0.00
Emergency Repairs	78,297.00	20,550.00	3,205.00	0.00
Roadside Mowing	6,476.00	0.00	0.00	4,000.00
Equipment DOT Rate (DRED Vehicles)	43,638.22	43,638.22	37,652.25	42,000.00
Equipment Purchases (depreciation)	3,937.00	3,937.00	3,787.00	3,787.00
Labor	95,563.60	95,562.00	83,480.40	75,600.00
Misc. Supplies	1,367.67	1,698.45	3,271.31	4,501.22
Indirect Cost	8,055.00	8,055.00	\$8,055.00	\$8,055.00
	293,798.44	353,068.10	209,695.44	316,206.71

# 2014 Grade



Thomas Koks Associates  
 Data Source: NH Grant, TPL, CLTC  
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## Designated Roads

Designated Roads Are Those Categorized As Main Haul and Gravel in Legend

— .2 Mile ATV Trail

— Grading - 2014

Revised 4/2013