

DATE: June 1, 2011

FILE REF: 2460

TO: Timber Sale Reviewers/Partners

FROM: Jeffrey Olsen, NHAL Forestry Staff

SUBJECT: **PROPOSED TIMBER SALE ESTABLISHMENT for 2011/2012**

Please take some time to **review the sales and contact any of us with your input.**

There are 25 new sales on the list. There are 32 compartments listed in **bold font** that have been on previous lists and have yet to be set up. All sales are to target our FY12 goal of 4966 establishment acres. We are really focusing on our backlogged types. Please contact the forester above the sales you are interested in.

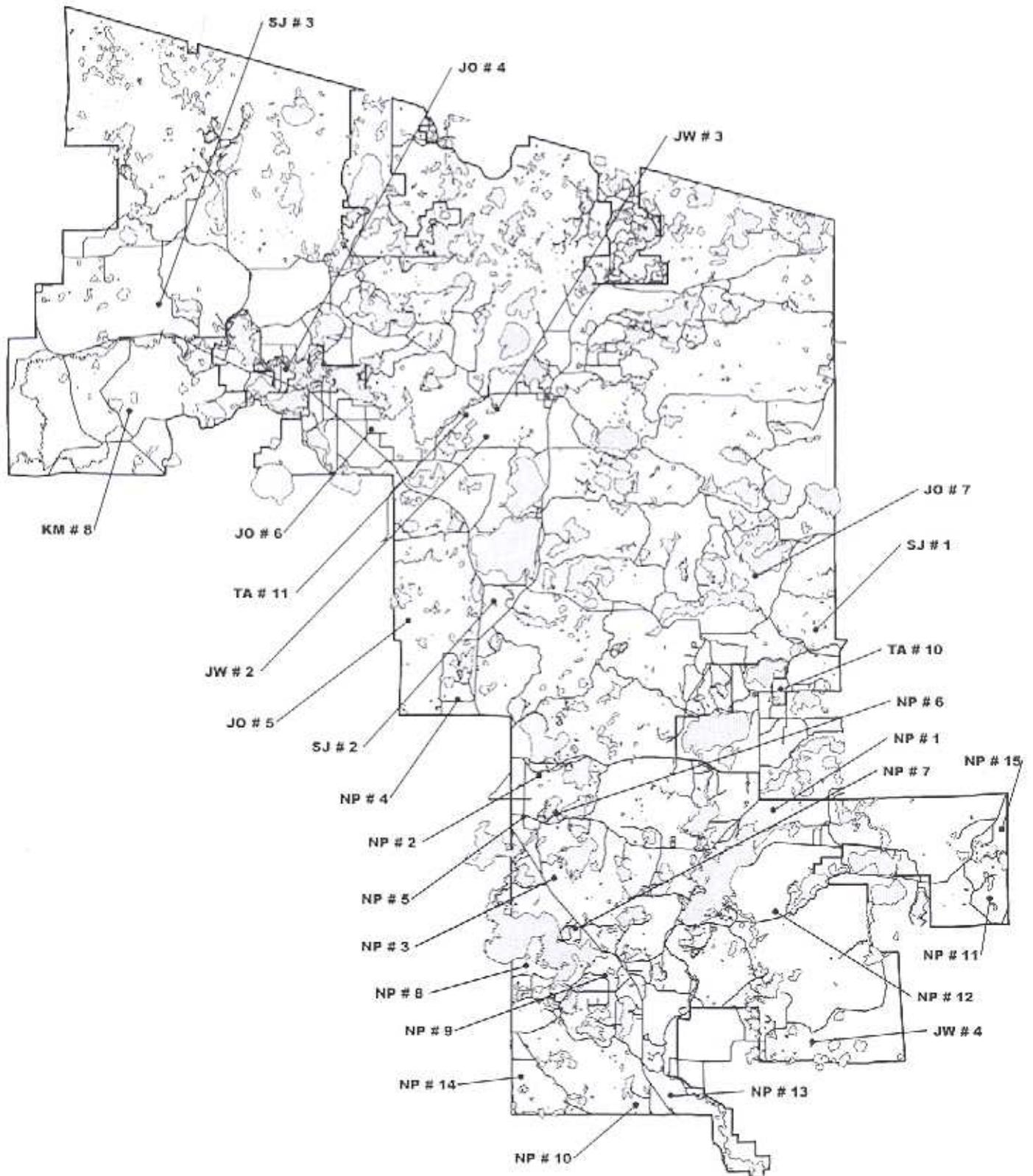
I believe this can help all of us be more efficient, effective and produce a better timber sale!

There is no deadline for comments. We will get together for an **annual public State Forest review of prescriptions and narratives June 17th**. Comments are best if given prior to the public meeting. These sales are now or soon to begin establishment work. They are in addition to the list of last year.

Old-growth management applied in Master Plan NCAs is noted by the letters NCMA following the sale name. Forest production is FPMA, recreation management by RMA and habitat management by HMA. I hope this helps you sort out the sale areas important to your program or interests.

This list and announcement has been an improvement to the roundtable process. Please email/call me or the establishing forester with our comments. I will be sending out a list of what is actively being established so all can focus their time. I hope this helps staying with the future sale areas. Thanks to all for your attention.

Northern Highland American Legion Pre-Sales 2011/2012 Timber Sale Establishment Location Map



NHAL List of Sale Establishment for 2011/2012 Planning
2011 PRE-SALE LIST (regular font)
Sales from the Previous List are in Bold Font
These Compartments have already been reviewed, not yet set up
completely. May 2011

Todd Anderson

1. **C267H** Lake Catherine Sale NCMA #9
2. **C148H** Little John Lake, NCMA #12
3. **C25H/C32H:** Nixon Lake Road, Special Aquatic #13
4. **C26H:**Siphon/Salsich Creek Area FPMA #3, Special Aquatic #13, Garland/Salsich Springs Site
5. **C29H: C372H:** Ontonagon River/Hwy. B, FPMA #1 & #3
6. **C62H, C63H:** Little Gibson Lake Area, FPMA #3, NCMA #14
7. **C2H/C3H:** Tower Lake, FPMA
8. **C189H:** Camp Lake Area, FPMA #3
9. **C209H:** Middle Gresham Lake, FPMA #3
10. C40H: Little Bass Lake, FPMA #4
11. **C178H,** Street Lake Sale, FPMA#3, NCMA#13

Jim Wetterau

1. **C101, C102, C103,** Witches Lake Road FPMA #4
2. C158H, North Creek Springs, FPMA#3
3. C157H, Nichols Lake, FPMA#3
4. C86A Fort Wilderness/Turtle Lake, FPMA#6

Paul Stearns

1. **C250H** More Turtle Lake Road Sale III, FPMA
2. **C87H** Nixon Lake Rd and CWY K, FPMA#3
3. **C96H,** White Sand Lake NE, FPMA
4. **C59H** Johnson Lake Aspen FPMA#4
5. **C207, 231H,** Forgotten Pines/Island Lake Rd, FPMA#3
6. **C146H,** Mann Lake South II, NCMA#12

Kelly O'Neil

1. **C293H** Thompson Trail, FPMA
2. **C284H** Plunkett Lake, NCMA#9, FPMA
3. **C56H** Partridge Lake, NCMA#8, FPMA
4. **C7H** Lake Laura NW, NCMA#8
5. **C145H** Vandercook E, NCMA#12
6. **C195H,** 196, 202, 203, 204 County Rd. K ROW, FPMA
7. **C266H** Fisher Lake Road, FPMA and NCMA#9
8. C276H, Sandy Beach Road, FPMA #2

Craig Dalton

1. C39A - Windpudding Lake (Craig) NCA#13, FPMA
2. C113H Klondike Lake, NCMA#12, FPMA#4
3. C32A - Horsehead Creek (Bryce) FPMA
4. C108H - Old 70, FPMA#5
5. C214H - Devine Lake (Jake) FPMA
6. C22A/29A - Dorothy Lake (Ken) FPMA

2011 New Presales

- P.14 C10A/11A - Powerline Plantations FPMA#6
P.17 C140H/142H - Rudolph Road Plantations FPMA#5
P.20 C15A - Substation Oak and Pine FPMA#5
P.22 C187H - Schuman Road - FPMA#3
P.24 C1A - Stacks Bay - FPMA#6
P.26 C2A - Fischer Landing - FPMA
P.28 C25A - Forest Trail Plantation - FPMA
P.30 C27A - Bird Lake Roadside and Oak - FPMA
P.32 C28A - CTH D Seed Orchard - FPMA
P.34 C44A - McNaughton Plantations - FPMA
P.36 C64A - Hwy 17 Plantation - FPMA
P.38 C71A - Nokomis Road - FPMA
P.40 C45A - McNaughton Creek - FPMA
P.42 C37A - Big Buck Plantation - FPMA
P.44 C62A - CTH H Plantation - FPMA

Jeff Olsen

1. C183H Sparkling Lake South and West. FPMA
2. C224H GI-WAY-DIN Trail Job BW/NH, FPMA
3. C264, 265 Turtle River Aspen and NII, FPMA
- P.46 4. C242,244 Alder Lake Road. #3
- P.49 5. C213H East Ellerson Lake. FPMA#3
- P.51 6. C219H Island Lake Road, FPMA#3
- P.54 7. C37H CWY N and Star Lake, NCA#8

Small Jobs, Possible Direct Sale Areas

1. C11H Shannon Lake North, FPMA#4
2. C169H M/51/CWY N Triangle. FPMA#3
3. C270/269H Circle Lily Road Small Tracts, FPMA#3 and NCA#10

PRE-SALE NARRATIVE
C40H
Four Corners Area – Town of St. Germain

General Sale Description: This proposed timber sale is located between Lost and Found Lakes. It falls within the Vilas Sandy Plains Central Forest Production Area (FPA #4). Management goals call for increasing the presence and age of red and white pine and managing for current levels of red oak. Several stands of sawlog white pine occur, with secondary types including northern hardwood, aspen and white pine. There is a stand of mature aspen with balsam fir adjacent to the stand of black spruce and tamarack. In the south part of the compartment, there is a stand of sawlog red oak that had a salvage sale in it in 1999. Land type association is 212Jm02 and 212Jm03. Habitat type is PArV (Pinus – Acer rubrum / Vaccinium). The soils are Loxley and Dawson peat in the lowlands, and the higher ground is excessively drained Sayner – Rubicon sand, therefore excluding this sale from biomass harvesting. The topography is level to steep.

Ecological Consideration: The stand of sawlog red oak will have a shelterwood harvest to release the well established white pine understory. The white pine will undergo a selective thinning, removing aspen and hardwoods to promote the regeneration of pine in the understory. The aspen stand will be cut in a coppice with standards harvest, leaving residual pine and maple as a seed source to provide species diversity.

Water Quality Considerations: Best Management Practices for Water Quality (BMP's), will be incorporated into this timber sale. The residual basal area within the Riparian Management Zone will be maintained at greater than 60 square feet per acre, with an emphasis on maintaining longer lived tree species, i.e. red oak, white pine and red pine.

Aesthetic Considerations: Longer lived red and white pine, as well as red oak will be retained. Slash will be treated along the town roads.

Wildlife Considerations: Cavity trees exist throughout the sale area, which are used by animals for nesting and denning. These trees will contribute to the coarse woody debris accumulation on the forest floor over time. This area is used by game and non-game, birds amphibians and mammals. This sale will maintain a diversity of habitat conditions to support harvestable populations of the major forest game species. And, it will increase the habitat used by non-game species. In addition, as reserve trees die they will form denning trees and ultimately coarse woody debris, benefiting a wide range of animals.

Recreation Considerations: Uses of this area include hunting, wildlife viewing, hiking and snowmobiling. Due to the topography, no harvest activity will be allowed along the snowmobile trail in the winter.

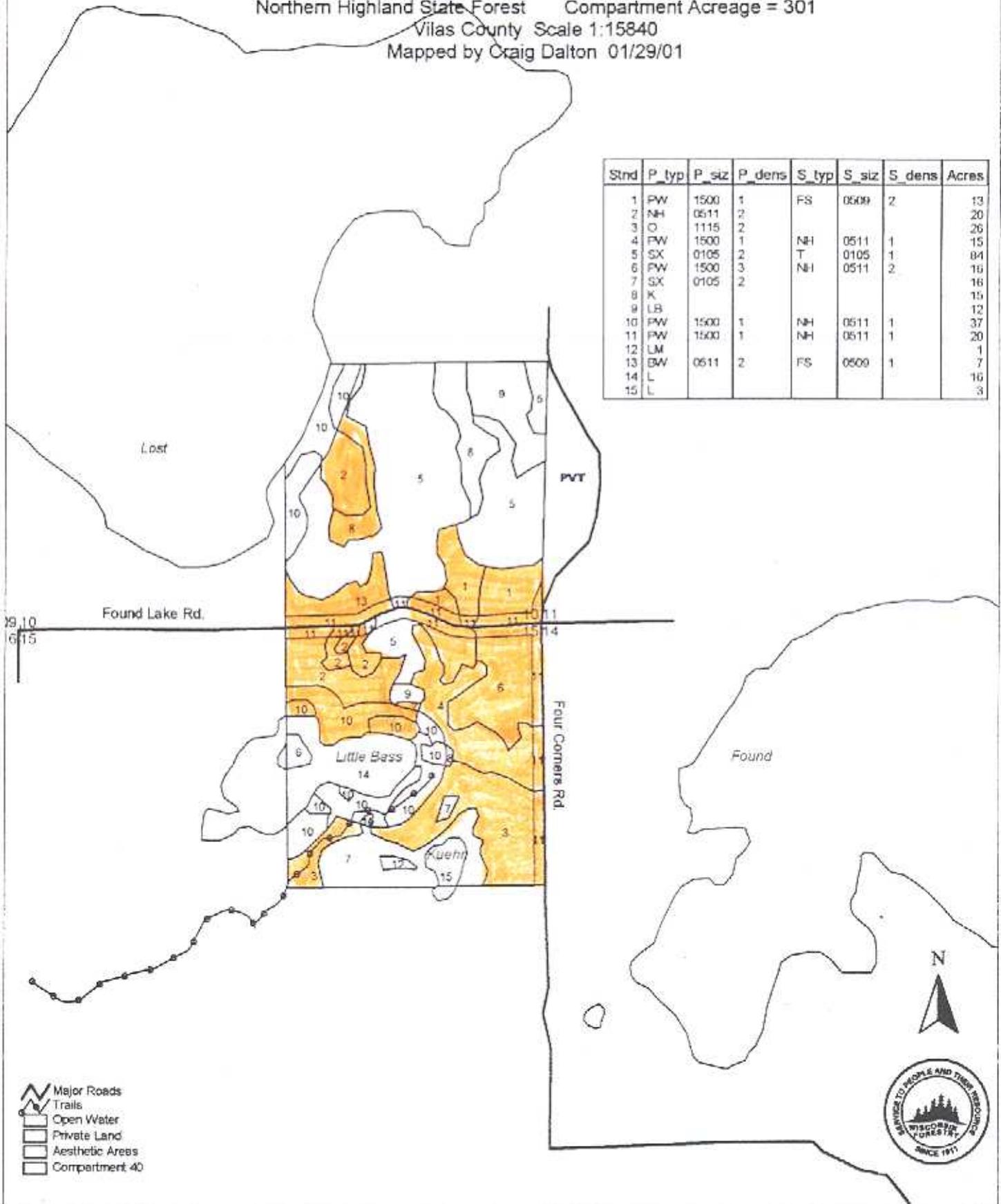
Resources of Special Concern – Archeological/Historical Review: The archeological and historical site maps were reviewed and no sites were listed for this proposed timber sale.

T. Anderson 2011

COMPARTMENT 40

T40N R08E Sec. 10, 11, 15
 Northern Highland State Forest Compartment Acreage = 301
 Vilas County Scale 1:15840
 Mapped by Craig Dalton 01/29/01

Stnd	P typ	P siz	P dens	S typ	S siz	S dens	Acres
1	PW	1500	1	FS	0509	2	13
2	NH	0511	2				20
3	O	1115	2				26
4	PW	1500	1	NH	0511	1	15
5	SX	0105	2	T	0105	1	84
6	PW	1500	3	NH	0511	2	16
7	SX	0105	2				16
8	K						15
9	LB						12
10	PW	1500	1	NH	0511	1	37
11	PW	1500	1	NH	0511	1	20
12	LM						1
13	BW	0511	2	FS	0509	1	7
14	L						16
15	L						3



Location of Sale: Hwy. H – Vicinity of Street Lake / Manitowish River
Legal Description: T42N – R6E, Section 23
Timber Types: Aspen, white birch, red and white pine, black spruce
Number of Acres: ~ 60-acres
Compartment 178H

STAND DESCRIPTION: Three stands are recommended for harvest in this compartment, the pine component of stand 1, 2 and 6. Pockets of sawlog red and white pine occur within stand 1. Stand 2 is a stand of black spruce, which contains merchantable timber. Stand 6 is mature aspen, mixed with white birch. Habitat type in the sale area is PARV.

GOALS: The majority of this sale is within the Vilas Sandy Plains North Forest Production Area, where the goal is to increase the red and white pine forest community type while maintaining aspen as a strong component in mixed stands. Stand 6 west of CTH H is in Area 13, Special Aquatic Management. The goal here is to improve the forest composition on upland sites by accelerating or enhancing the long-lived tree species component.

ECOLOGICAL CONSIDERATIONS AND SILVICULTURAL PRESCRIPTION: Stand 1 is predominately 39 year old aspen, but contains large pockets of sawlog red and white pine. These pockets can be thinned to release the crowns of the remaining trees. Stand 2 is black spruce that contains a large number of trees infected with witches brooms (Eastern Dwarf Mistletoe). This will be clearcut to allow regeneration by seed. Stand 6 is mature aspen, with a mixture of white birch. The aspen and white birch will be regenerated using coppice with standards and clearcut with standards. Longer lived red and white pine will be encouraged along the river strip.

WATER QUALITY, BMP'S: BMP's along the Manitowish River will be followed, including uncut riparian buffers. Unmanaged, this buffer will develop as old growth. Cutting in the black spruce stand will occur only during frozen ground conditions.

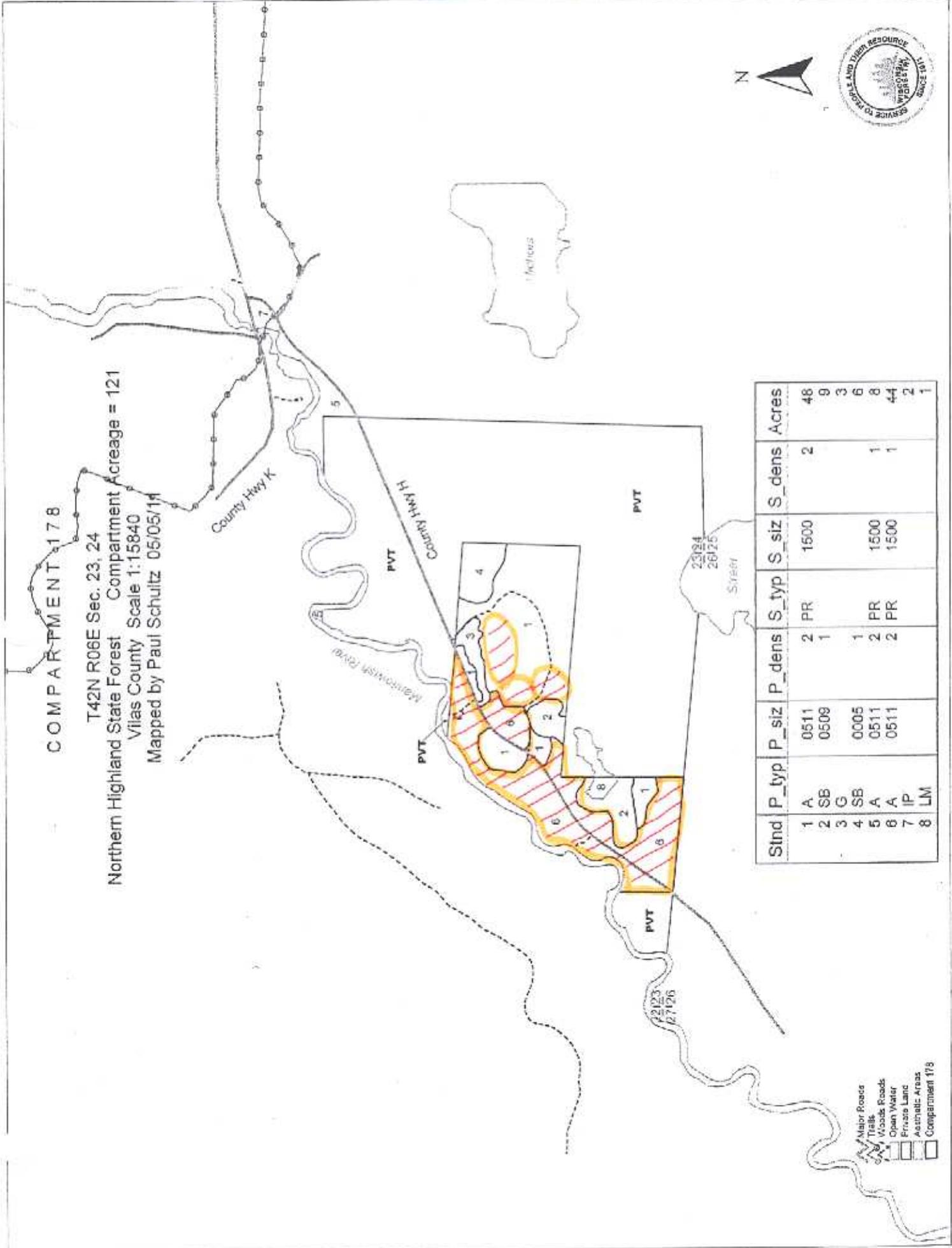
AESTHETICS: Visual impacts will be minimized by treating slash along Hwy. K, and Street Lake Lane, and retaining longer lived species including red oak, red pine and white pine. BMP implemented along the Manitowish River will reduce the effects of the sale from the river.

WILDLIFE: Den and cavity trees will be maintained throughout the sale area. The regeneration and maintenance of the aspen type will be beneficial for both game and non-game species of wildlife. A diverse stand composition and structure will be maintained for this area.

ENDANGERED, ARCHEOLOGICAL, HISTORICAL RESOURCES: Two NHI hits occurred. One is for the gray wolf. The area is part of the territory for the gray wolf, and no known denning sites are present. The other hit is for a bald eagle. The area bald eagle expert was consulted and the nest location is well outside the management area. No known archeological or historical elements exist within the proposed harvest area.

RECREATION: The main recreation use of the area is canoeing down the Manitowish River. Impact to the visual corridor will be minimized by following BMP's and retaining large diameter trees in the sale area.

T. Anderson 2011



COMPARTMENT 178

T42N R06E Sec. 23, 24
 Northern Highland State Forest Compartment Acreage = 121
 Vilas County Scale 1:15840
 Mapped by Paul Schultz 05/05/11

Stnd	P_typ	P_siz	P_dens	S_typ	S_siz	S_dens	Acres
1	A	0511	2	PR	1500	2	48
2	SB	0508	1				9
3	G		1				3
4	SB	0005	1				6
5	A	0511	2	PR	1500	1	8
6	A	0511	2	PR	1500	1	44
7	IP						2
8	LM						1

- Major Roads
- Trails
- Woods Roads
- Open Water
- Private Land
- Aesthetic Areas
- Compartment 178

Northern Highland American Legion State Forest – North Creek Springs
Compartment 158 (T 42N-R6E Sec. 36)
Land Management Area = Vilas Sandy Plains North - Forest Production Area # 3
Red pine Improvement Thinning ~ 161 acres
Aspen/Oak Regeneration Harvest Area – 24 acres
Aspen Conversion Area – 26 Acres

STAND DESCRIPTION

The general sale area is located northwest of North Trout Lake, along North Creek Road, in the Town of Boulder Junction, Vilas County. The general forest cover type in this area of the Northern Highland S.F. is dominated by extensive stands of aspen, jack pine, oak, and red pine plantations. This proposed timber sale includes the improvement thinning of overstocked red pine plantations and the regeneration harvest of an over-mature two aged aspen stand and scrub oak.

GOALS

The proposed sale area lies within Forest Production Area # 3, Vilas Sandy Plains North. The Northern Highland – American Legion State Forest Master Plan directs both the short and long term objectives of maintaining aspen and increasing jack pine in mixed stands across the landscape. It further states a long term objective of increasing red and white pine as a greater component within existing stands. Soils are primarily Sayner-Rubicon complex, hilly well-drained pitted outwash sands with a PArV habitat type.

ECOLOGICAL CONSIDERATIONS AND SILVICULTURAL PRESCRIPTION

Approximately 161 acres of red pine plantation will receive an improvement thinning (free thinning) to promote large healthy trees that are adequately spaced for bole and crown development. This improvement thinning will also promote and increase the shrub layer as additional sunlight reaches the forest floor. Approximately 26 acres of a two aged aspen stand will be harvested and converted to jack pine following the harvest since the soils are better suited to jack pine and this prescription helps to meet the goals as outlined in Master Plan. Twenty four acres of aspen and oak will be harvested to maintain these types on the landscape.

WATER QUALITY

The proposed timber sale is entirely on upland sandy soils. North Creek Springs lies east of the proposed sale area and will be protected with a 50 foot buffer and average residual basal areas will be greater than 60 sq. ft. within 100 feet of the Springs.

AESTHETICS

Aesthetics are a concern along North Creek Road. A small narrow strip of overmature trees will be harvested along this town road. Residual pine and green marked trees will break up the visual impact of the harvest. This strip already has advanced white pine regeneration established which will be released and provide for long term aesthetics along this town road. The aspen harvest and conversion to jack pine on the west end of the sale area will eventually be a dense stand of seedlings/saplings. A residual strip of aspen will serve as a visual screen along the town road until the jack pine has become well established. The improvement thinning in the red pine will provide for the long-term aesthetics as healthy larger diameter trees are maintained.

WILDLIFE

This increased amount of sunlight, following the thinning, will provide additional cover and browse for a variety of game and non-game, birds and animals within the red pine plantation. Snag and den trees will be retained throughout the sale area where possible. The retention of some large diameter oak will provide mast and future den and cavity trees. Pockets of aspen and white birch will be retained within the sale area to provide soft snags, drumming areas, and nesting sites for a variety of wildlife species. Opportunities to increase jack pine within this compartment will be beneficial to certain wildlife.

ENDANGERED RESOURCES

A check of the NHI portal site and archeological reviews revealed no conflicts with the proposed forest management treatments prescribed.

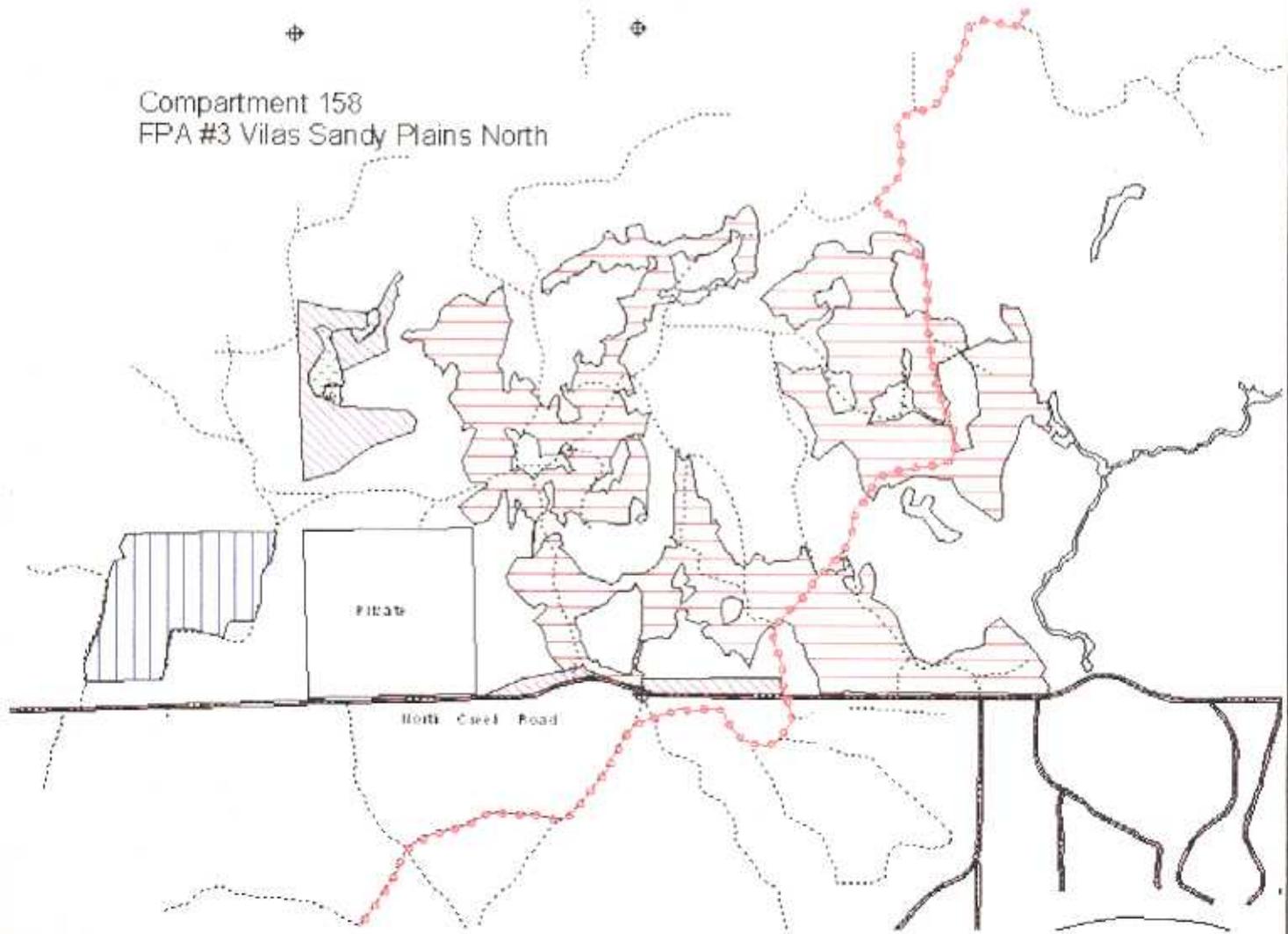
RECREATION

Hunting and snowmobiling are the primary recreational activities within the proposed sale area and harvesting activities should not impact either. Hunting opportunities should improve as aspen and scrub oak regenerate.

J. Wettenau
2011

WISCONSIN
 DEPARTMENT OF NATURAL RESOURCES
 TIMBER SALE
 NORTH CREEK SPRINGS
 T42N R6E SECTION 25
 T42N R7E SECTION 30
 HARVEST ACRES - 207

Compartment 158
 FPA #3 Vilas Sandy Plains North



Legend

- Survey Corners
- Woods Trails
- Snowmobile Trail
- Highways and Town Roads
- Keg
- Grass Openings
- Aspen Conversion Area
- Aspen/Oak/Pine Area
- Pine Thinning Area
- Lakes

- Pine Thinning Area (161 Acres): Mark plantation to appropriate stocking levels (120-140 square feet BA/acre).
- Aspen/Oak/Pine Area (20 Acres): Harvest area to maintain aspen and oak while improving tree spacing and growing conditions for the red and white pine.
- Aspen Conversion Area (26 Acres): Cut all tree species and plant area with jack pine.

Note: Do NOT cut trees marked with green paint.

N
 Scale: 1" = 1 Mile
 1:63,360



WISCONSIN
 DEPARTMENT OF NATURAL RESOURCES

Northern Highland American Legion State Forest – Nichols Lake
Compartment 156 & 157 (T 42N-R6E Sec. 24) (T42N-R7E Sec. 19, 20, 29, & 30)
Land Management Area = Vilas Sandy Plains North - Forest Production Area # 3
Pine Thinning Area ~ 142 acres
Aspen/Oak Regeneration Area ~ 105 acres

STAND DESCRIPTION

The general sale area is located 3 miles west of Boulder Junction and southeast of County Hwy H and Hwy K, near Nichols Lake. The general forest cover type in this area of the Northern Highland S.F. is dominated by extensive stands of aspen, jack pine, oak, and red pine plantations. This proposed timber sale includes improvement thinnings in red and white pine stands and regeneration harvests in mature jack pine, aspen, and oak stands. Stands 6 & 11 of compartment 156 and Stands 1, 3, 4, 5, 6, 9, 10, 12, 13, and 15 of Compartment 157 will be treated at this time.

GOALS

The proposed sale area lies within Forest Production Area # 3, Vilas Sandy Plains North. The Northern Highland – American Legion State Forest Master Plan directs both the short and long term objectives of maintaining aspen and managing for current levels of oak in mixed stands across the landscape. It further states a long term objective of increasing red and white pine as a greater component within existing stands. Soils are primarily Sayner-Rubicon complex, flat well-drained pitted outwash sands with a PARV habitat type.

ECOLOGICAL CONSIDERATIONS AND SILVICULTURAL PRESCRIPTION

The red and white pine stands will receive an improvement thinning to promote large healthy trees that are adequately spaced for bole and crown development. This improvement thinning will also promote and increase the shrub layer as additional sunlight reaches the forest floor. Mature and decadent roadside jack pine and aspen stands will be harvested to regenerate the aspen and associated species. Oak stands will receive a shelterwood and seed tree harvest treatment to help promote and encourage natural regeneration of red oak. Natural or planted white pine will be encouraged near Nichols Lake as a long term objective for this area.

WATER QUALITY

The proposed timber sale is entirely on upland sandy soils. Nichols Lake lies adjacent to portions of the proposed sale. A 50 foot buffer will be established and residual basal areas will be greater than 60 sq. ft. within 100 feet of the Lake. A creek lies south of County Hwy H. This area will be protected as BMPs are implemented.

AESTHETICS

Aesthetics are a concern especially near Nichols Lake. The improvement thinnings in the red and white pine stands will provide for the long-term aesthetics as healthy larger diameter trees are maintained and opportunities are created for releasing white pine seedlings and regenerating a mix of aspen and oak. Healthy larger diameter trees will be retained near Nichols Lake whenever possible to assist in aesthetic management.

WILDLIFE

This increased amount of sunlight, following the thinning, will provide additional cover and browse for a variety of game and non-game species, birds, and amphibians within the red pine plantation. Young aspen and oak regeneration will be very beneficial to deer, grouse, woodcock, and certain songbirds. Snag and den trees will be retained throughout the sale area for their wildlife values.

ENDANGERED RESOURCES

A check of the NHI portal site and archeological reviews revealed no conflicts with the proposed forest management treatments prescribed.

RECREATION

Picnicking, fishing, swimming, boating, hunting, and snowmobiling are the common recreational activities within the proposed sale area with the primary recreational uses near Nichols Lake. Recreational safety is the focus here by removing over mature decadent trees and replanting/regenerating the site with healthy trees. Following the harvest, this site near the picnic/restroom area, should be planted with long lived white pine for future aesthetics. Harvesting activities will be less intrusive for hunters and snowmobilers in the area. Hunting will improve with the new regeneration and snowmobile trails will be safer as hazard trees are removed in certain sections of the trail. Seasonal restrictions (non-summer harvesting) will be implemented along Nichols Lake Lane and by Nichols Lake to ensure the recreational experience of the park users.

J. Wetherau
2011

WISCONSIN
DEPARTMENT OF NATURAL RESOURCES
TIMBER SALE
NICHOLS LAKE
T42N R6E SECTION 24
T42N R7E SECTIONS 19, 20, 29, & 30
HARVEST ACRES - 219

Compartment 157
 FPA #3 Vilas Sandy Plains North

County Hwy K

Nichols Lake

CRH

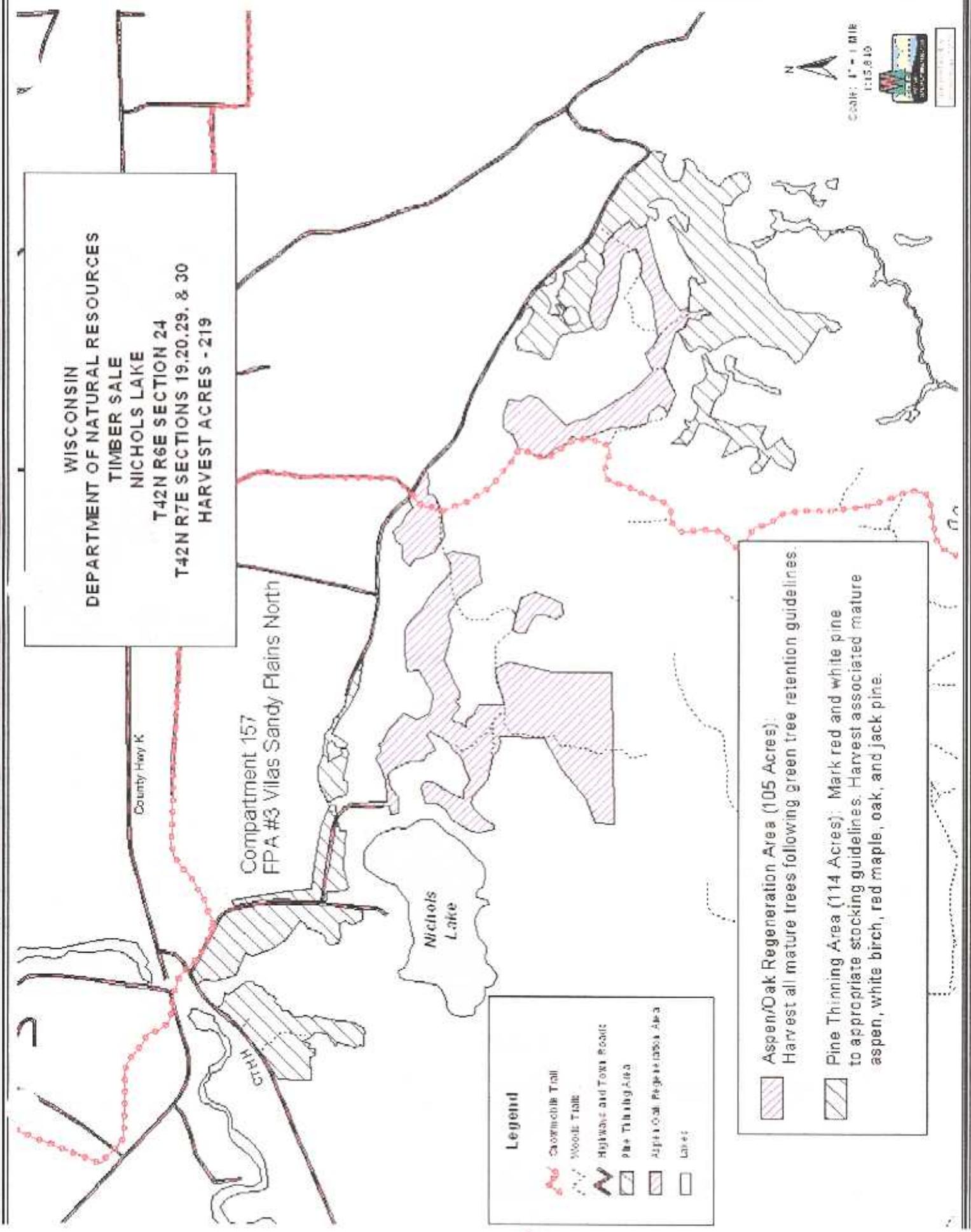
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 Scale: 1" = 1 MILE
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Legend

-  Crossmobile Trail
-  Wooded Trail
-  Highway and Town Road
-  Pine Thinning Area
-  Aspen/Oak Regeneration Area
-  Label

-  Aspen/Oak Regeneration Area (105 Acres):
 Harvest all mature trees following green tree retention guidelines.
-  Pine Thinning Area (114 Acres): Mark red and white pine
 to appropriate stocking guidelines. Harvest associated mature
 aspen, white birch, red maple, oak, and jack pine.



Name of Sale, Fort Wilderness Trails, Compartment 86A, American Legion
Legal Description, Oneida County T38N-R8E Sections 14, 23, 24, Town of Newbold
Timber types are aspen, white birch, red pine and black spruce
Approximate # Acres 276 scheduled

STAND DESCRIPTION

This compartment is a mosaic of over-mature aspen stands, white birch, red pine stands and wetland stands. Most of this area has not seen recent management and access is remote. The timber is accessed off Stone Lake Road, Spider Lake Road and Wilderness Trail to the north and south of Turtle Lake. These stands have not seen management in over 90 years. Access has been restricted to roads that are through private property or remote State Forest roads. Soils of this upland area are well drained, loamy and sandy soils on drumlins, moraines and in areas of pitted outwash. Biomass harvest is restricted by dry soils. Habitat types are PArV and AVVb as well as lowland organic habitats.

GOALS

This compartment is Forest Production Management Classification #6, Oneida Sandy Plains. Overall forest management goals are to diversify aspen ages through clear cutting with retained groups and individuals of conifers and northern hardwoods. White birch stands will be managed to retain diversity of species, sizes and encourage natural regeneration with clear cuts, small group selection and retain as much conifer component as possible. All hemlock will be retained and opportunities for old forest components will be pursued in these stands.

ECOLOGICAL CONSIDERATIONS AND SILVICULTURAL PRESCRIPTION

Aspen and white birch stands will be clear cut to regenerate aspen, white birch and balsam. Healthy northern hardwood, hemlock, spruce trees and other species diversity will remain as part of the regeneration. Red pine stands will be thinned to increase age diversity and promote health and vigor. Swamp conifer, black spruce on productive sites will be managed with clear cut patches with retained seed source trees, strip cutting and small group cuts. This will set up conditions for natural regeneration to grow on these sites.

WATER QUALITY, BMPS

There will be set backs established on open water and lakeshores. All harvest areas on lowland soils will be done on frozen conditions.

AESTHETICS

Establishment foresters will mark out effective visual buffers, including road and trail zones. We will work to have operations in times when the trail system is not active from Fort Wilderness activity.

WILDLIFE

The regeneration of aspen and other early successional trees will be good for game species habitat for wildlife and other animals and birds. Additional composition and structure will create a diversity of food and shelter for wildlife. Den and cavity trees will be retained in managed areas as well as some large old trees.

ENDANGERED RESOURCES

NHI Portal listed Northern Goshawk, spruce Grouse and Grey wolf in the project area, we will consult with ER for management adaptations needed. Archaeological survey records show no known sites in this compartment.

RECREATION

This area is currently used for Fort Wilderness permitted recreation trails, hunting and horse riding recreation. Coordination of harvest activities are aimed at minimizing conflict with recreationists. Hunting opportunities will increase after management and water based recreation will not be impacted by this sale.

02/10/2011 JFO

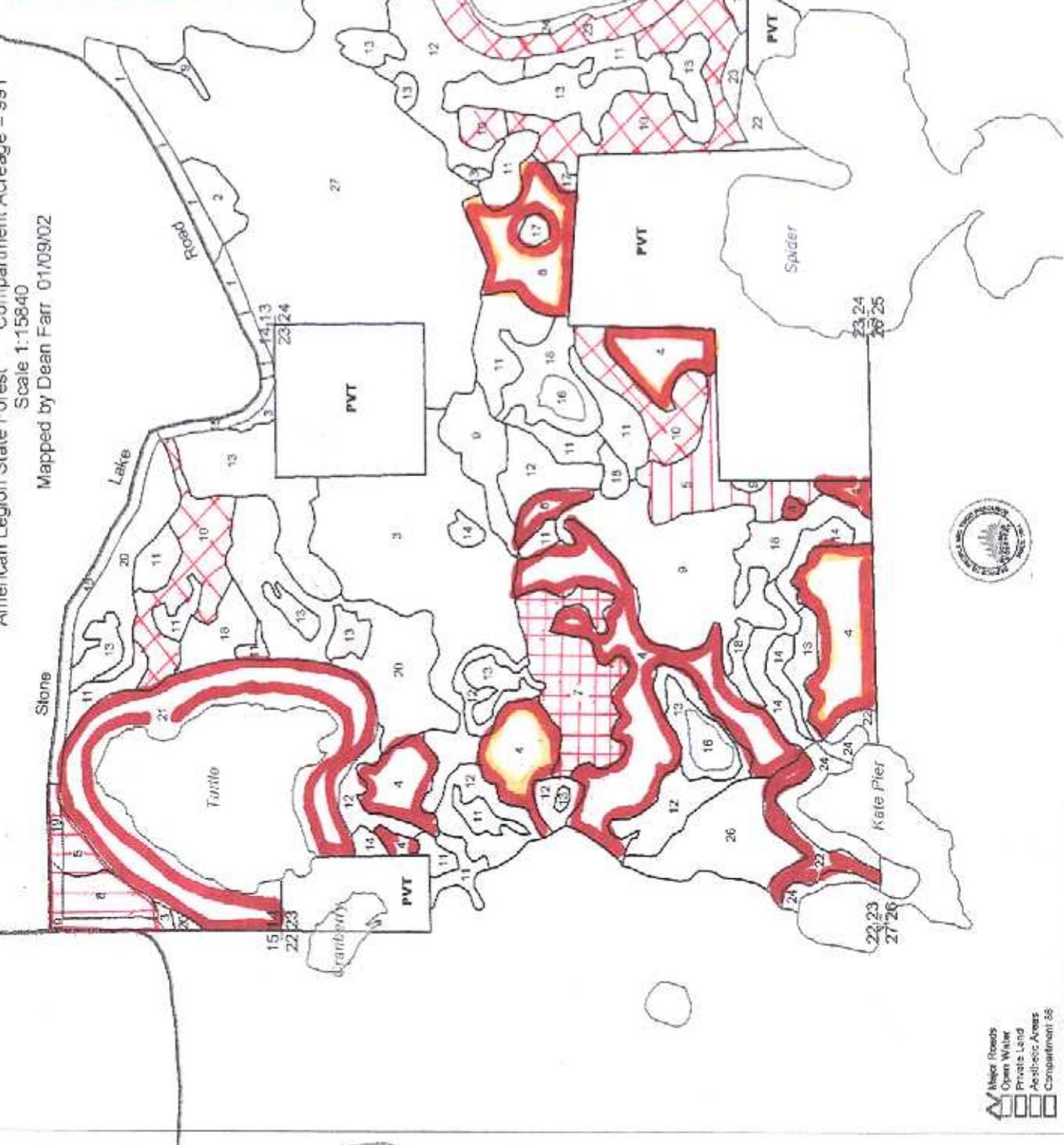
2011 Pre-Sale Map

COMPARTMENT 86

T38N R08E Sec. 13, 14, 23, 24
 American Legion State Forest - Compartment Acreage = 991
 Scale 1:15840
 Mapped by Dean Farr 01/09/02



- White Birch/Aspen Stands
- Aspen/White Birch Stands
- Black Spruce Stands
- Red Pine/Jack Pine Stands
- Hemlock Stand.



Stand	P_typ	P_sz	P_dens	S_typ	S_sz	S_dens	Acrea
1	PR	0105	3	MR	0105	2	11
2	PR	0815	3	MR	0105	2	8
3	A	0105	3	BAW	0811	1	59
4	BW	0811	3	A	0511	2	102
5	A	0511	3	A	0511	1	17
6	BW	1600	2	A	0511	1	22
7	HH	0105	2	PH	0511	2	22
8	PR	0105	2	PH	0105	1	46
9	C	0609	2	SB	0609	1	45
10	SB	0105	2				57
11	SB	0105	2				52
12	SB	0105	2				61
13	SK	0105	1				65
14	K	0511	1	A	0105	2	65
15	BW						10
16	LM						5
17	G						3
18	LB						30
19	PR	0105	2	PJ	0105	1	5
20	A	0105	3	A	0511	2	46
21	BW	0511	3	A	0511	2	59
22	BW	0511	3	A	0511	2	14
23	SB	0609	2				21
24	K						14
25	L						87
26	FS	0105	3	MR	0511	1	17
27	A	0105	3	MR	0105	2	136



Major Roads
 Open Water
 Private Land
 Aesthetic Areas
 Compartment 86

Compartment 276 Stands 3, 5, & 8 Compartment 265 Stands 1, 5, & 7

Legal Description: Iron County T42N R4E Sec 22 & 23

Timber types: Aspen, White Birch, White Pine, and Spruce

Acres: ~ 90

See attached compartment map for stands scheduled for harvesting.

STAND DESCRIPTION

The potential sale area includes approximately 65 acres of over mature aspen and white birch and 25 acres of white pine and spruce. It is located in the Town of Sherman bordering portions of Sandy Beach Lake and Sandy Beach Lake Campground. No private land borders the potential timber sale area.

Historic files indicate 4 previous timber sales in this compartment. The earliest records document harvesting aspen in stand 3 back in 1957 – 1959. The other 3 timber sales in 1985, 2007, and 2008 harvested timber from stands other than those included in this proposed timber sale area.

OBJECTIVES

Designated under the Forest Production Management Classification, in the Manitowish Peatlands, the overall forest management objectives include:

- Early successional types (aspen, white birch, and fir) will be managed at economic maturity;
- Later successional stages of long-lived trees (hemlock hardwoods, northern hardwoods, and red and white pine) will be managed to their biological mature ages;
- Regenerate black spruce and tamarack stands through active management;
- Access across some wetland areas in a frozen ground condition may be required in certain circumstances.

ECOLOGICAL CONSIDERATIONS AND SILVICULTURAL PRESCRIPTION

- Soils (Croswell sand, Au Gres loamy sand, and Loxley - Dawson) and habitat types (TMC, PArV, and PArVa) are well suited for aspen, white birch, and pines.
- .
- Silviculture management will include coppice with standards for the aspen regeneration area and the campground area; and single tree selection/free thinning in the white pine/spruce area.

WATER QUALITY, BMPS

Wisconsin BMP's will be implemented to protect water quality of Sandy Beach Lake. Measures will also include protection for forested and non-forested wetlands included within and adjacent to the timber sale area.

AESTHETICS

Aesthetics are a concern, especially in the campground area as well as along the access road to the boat landing and parking area. Consideration for slash in the campground area may include a requirement for whole tree chipping. This would clean up the area for campground users.

Logging slash throughout the timber sale area will be treated to lie within 2 feet of the ground. Along the south side of the boat landing access road slash will be pulled back at least 10 feet from the road edge.

By implementing Green Tree Retention Guideline some trees will remain to breakup visual appearances. Around the campground and the aspen regeneration area, red pine, white pine, oak, and maple will be retained unless considered a "hazard" tree. Some aspen and white birch will be green marked for retention.

The white pine/spruce area along the northwest shore of Sandy Beach Lake will be thinned minimizing visual changes to recreation users.

WILDLIFE

Creation of canopy gaps and group tree selection will increase vertical structure, providing increased habitat for many song birds including the black-throated blue warbler and Swainson's thrush. Horizontal structure increases during harvest activity by accumulation of down woody debris (slash). This adds habitat for many ground dwelling small mammals, insects, and birds. Snag trees and den trees will remain throughout the stand meeting Green Tree Retention Guidelines to provide habitat for cavity nesting species such as the black-backed wood pecker and marten.

ENDANGERED RESOURCES

NH Portal listed 1 avian species of special concern within the timber sale area and one mammal within the one mile buffer. The local Wildlife Specialist and/or Endangered Resource Specialist will be contacted regarding locations and protective measures taken if necessary.

Archaeological and historical records do not indicate any known sites in these stands.

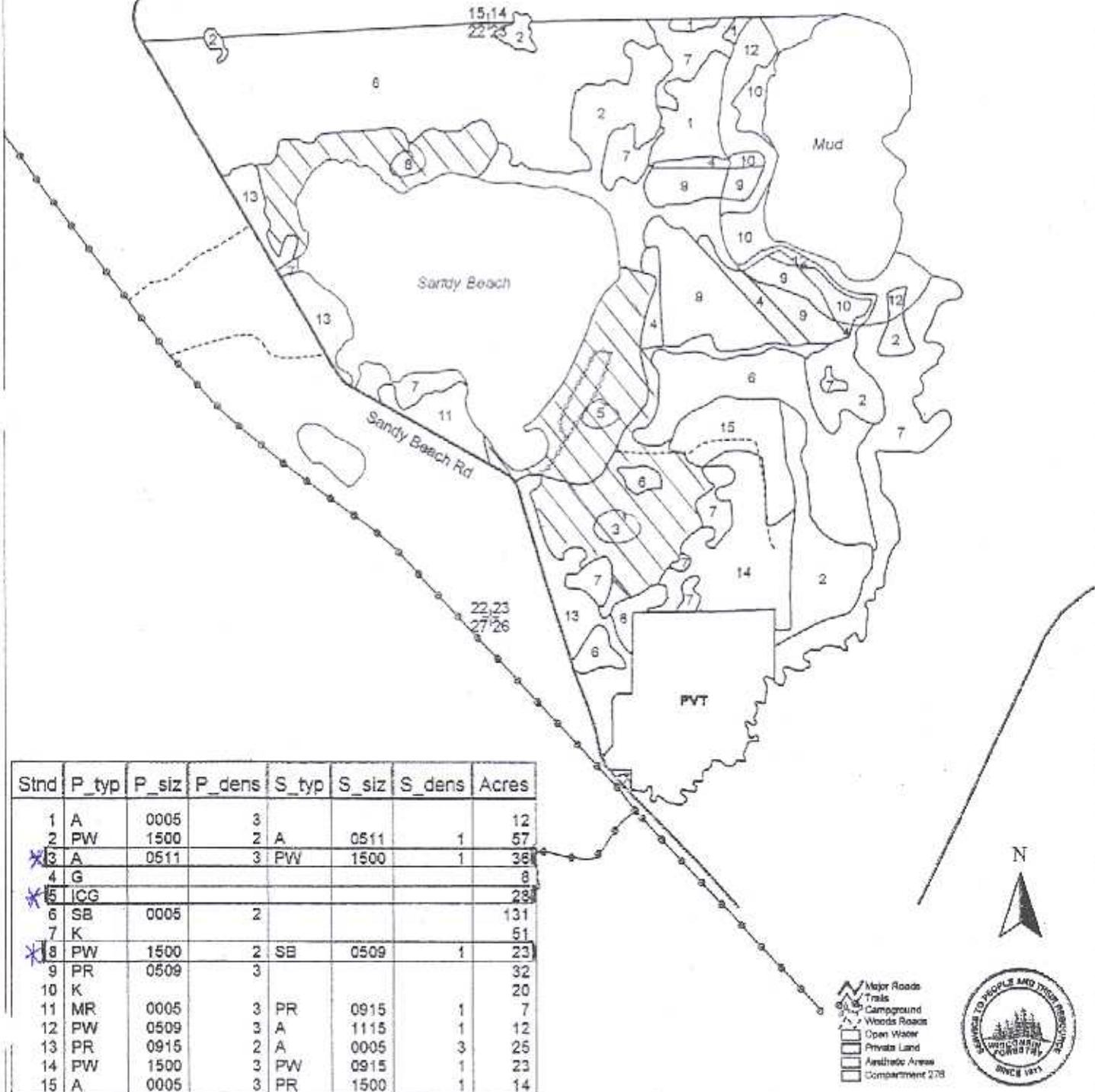
RECREATION

Current uses in the area include camping, water based recreation, hunting, wildlife viewing, wild ricing, and visual aesthetics. Forest management enhances habitat for many game and non-game species and single tree selection minimizes visual changes to the landscape.

Kelly Martinko 2/18/2011

COMPARTMENT 276

T42N R04E Sec. 22, 23, 26
 Northern Highland State Forest Compartment Acreage = 479
 Iron County Scale 1:15840
 Mapped by Paul Schultz 11/20/09



Stnd	P_typ	P_siz	P_dens	S_typ	S_siz	S_dens	Acres
1	A	0005	3				12
2	PW	1500	2	A	0511	1	57
*3	A	0511	3	PW	1500	1	38
4	G						8
*5	ICG						28
6	SB	0005	2				131
7	K						51
*8	PW	1500	2	SE	0509	1	23
9	PR	0509	3				32
10	K						20
11	MR	0005	3	PR	0915	1	7
12	PW	0509	3	A	1115	1	12
13	PR	0915	2	A	0005	3	25
14	PW	1500	3	PW	0915	1	23
15	A	0005	3	PR	1500	1	14

Possible Name of Sale: Little St. Germain Creek Red Pine
Legal Description: T39N-R8E, Sections 1, 2, 3, 4, 11, & 12
Timber types: Red Pine, Jack Pine
Acres: 245
Compartment 10A & 11A

STAND DESCRIPTION: The majority of the stands receiving treatment are overstocked red pine plantations. A few of these stands have been thinned at least once in the past but the majority of them will receive their first intermediate mechanical thin. One mature jack pine stand is scheduled for treatment as well. Habitat type is PARV.

GOALS: The entire proposed sale area is located within the Oneida Sandy Plains Forest Production Management Classification. Goals are to maintain for current levels of oak, increase presence of pine when possible, and maintain the aspen component as a dominant community.

ECOLOGICAL CONSIDERATIONS AND SILVICULTURAL PRESCRIPTION: The plantations will undergo intermediate marked thinnings or mechanical row thinnings. The jack pine stand will receive a regeneration harvest and be replanted back to jack pine. Biomass harvesting will not be allowed due to nutrient poor soils with the exception of the jack pine stand. No invasives are recorded for the sale area.

WATER QUALITY, BMPS: No harvesting will take place within the riparian management zones of the Wisconsin River or the Little St. Germain Creek.

AESTHETICS: Aesthetic impacts of harvesting on these pine stands undergoing an intermediate thin will be minimized by the nature of the harvest and the high residual stocking of the pine stands. The jack pine stand is south of Highway 70 by 100 yards or more. This stand is still visible from the highway and will have some visible impacts from the roadside perspective along with the neighboring private lands. The jack pine stand will undergo intensive reforestation efforts following harvest. The adjacent young aspen stands will help to lessen visual impacts.

WILDLIFE: Long-term goals for the area are to increase the presence and age of the pine type. Intermediate thins will aid in maintaining the pine stands into maturity, eventually providing habitat for wildlife associated with an older pine type.

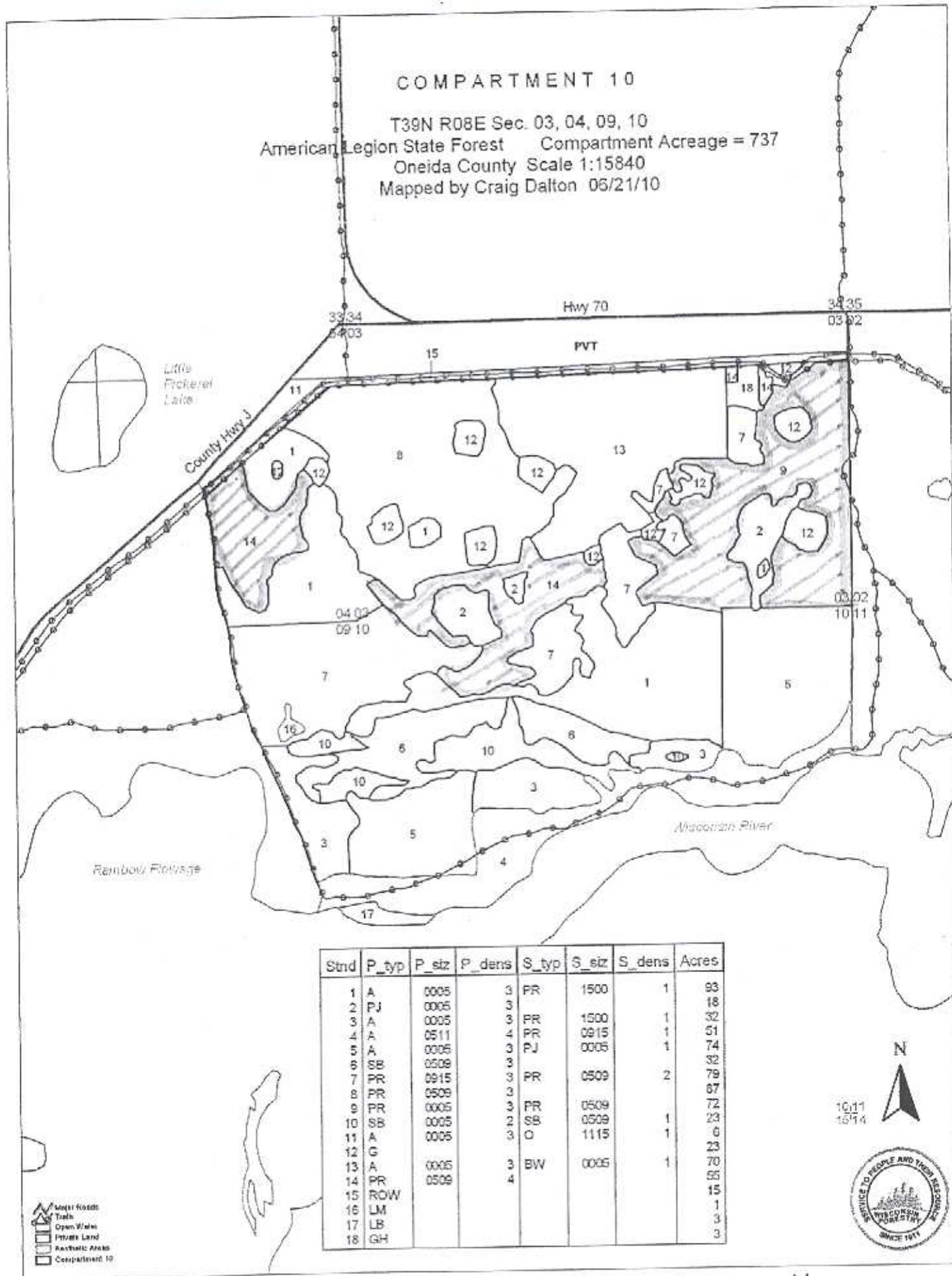
ENDANGERED, ARCHEOLOGICAL, HISTORICAL RESOURCES: The NHI lists a couple of eagle nests present in the area. The active nest near the sale area is over 200 yards from the nearest pine stand being thinned. Therefore, no restrictions will be required. No historical or archeological resources are known to exist in the area.

RECREATION: There are numerous designated snowmobile trails throughout this portion of the Forest. Seasonal decking restrictions will be implemented where warranted. There is also a land use agreement in effect for horse trail use in this portion of the Forest. Other recreational uses for the area in the fall include hunting which will see minimal impacts from harvesting.

4-25-2011
C. Dalton

COMPARTMENT 10

T39N R08E Sec. 03, 04, 09, 10
 American Legion State Forest Compartment Acreage = 737
 Oneida County Scale 1:15840
 Mapped by Craig Dalton 05/21/10

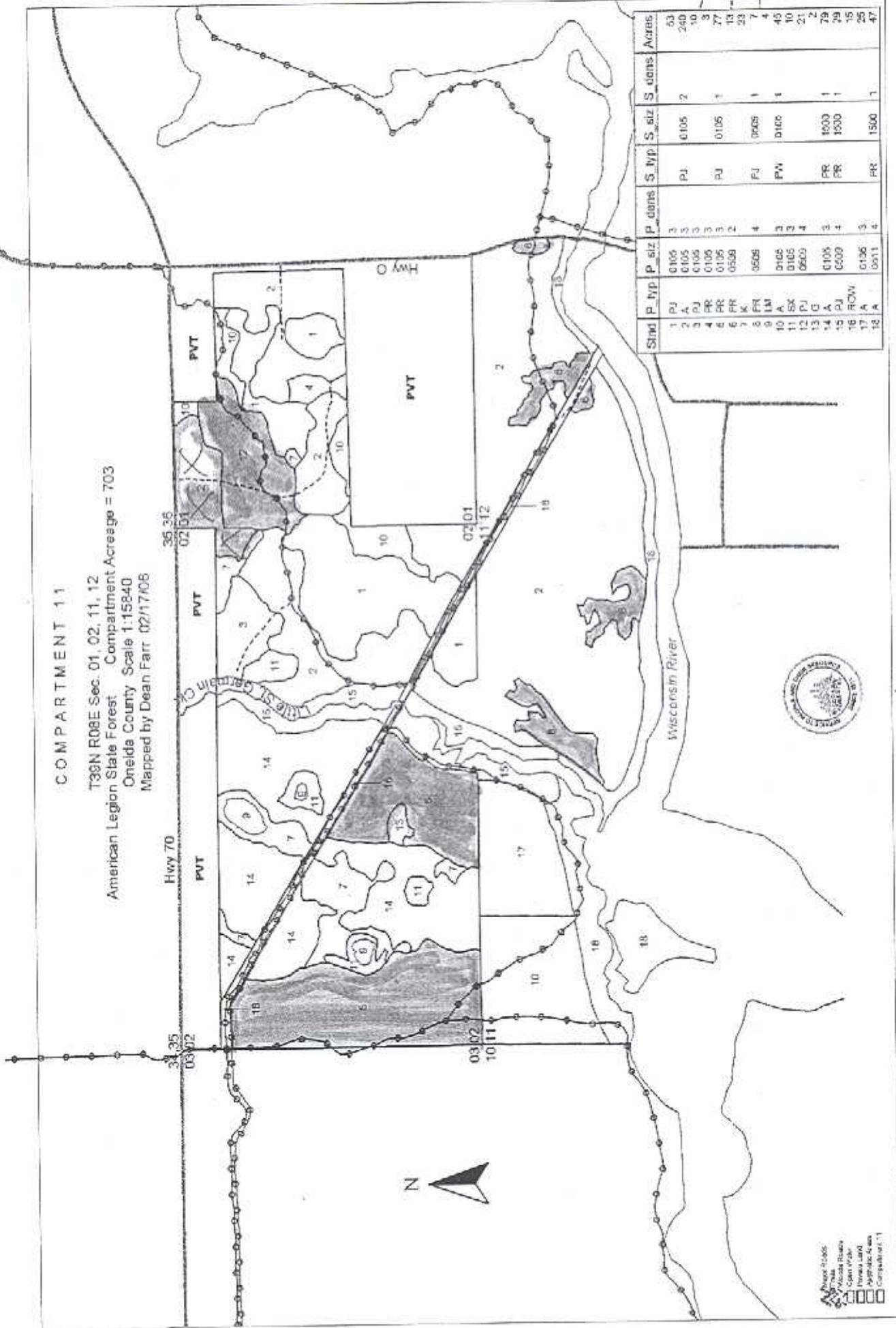


Stand	P_typ	P_siz	P_dens	S_typ	S_siz	S_dens	Acres
1	A	0005	3	FR	1500	1	93
2	PJ	0005	3				18
3	A	0005	3	FR	1500	1	32
4	A	0511	4	PR	0915	1	51
5	A	0005	3	PJ	0005	1	74
6	SB	0509	3				32
7	PR	0915	3	PR	0509	2	79
8	PR	0509	3				87
9	PR	0005	3	FR	0509		72
10	SB	0005	2	SB	0509	1	23
11	A	0005	3	O	1115	1	6
12	G						23
13	A	0005	3	BW	0005	1	70
14	PR	0509	4				55
15	ROW						15
16	LM						1
17	LB						3
18	GH						3

Oneida Sandy Plains Forest Production

COMPARTMENT 11

T38N R08E Sec. 01, 02, 11, 12
 American Legion State Forest Compartment Acreage = 703
 Oneida County Scale 1:15840
 Mapped by Dean Farr 02/17/08



Shad	P	typ	P	size	P	dens	S	typ	S	size	S	dens	Acres
1	PU		0105	3				PU		0105	2		53
2	A		0105	3									240
3	PU		0105	3									10
4	PR		0105	3									8
5	PR		0105	3									27
6	PR		0508	2									13
7	K												23
8	PR		0508	4				FJ		0508	1		7
9	LM												4
10	A		0105	3				PW		0105	1		45
11	SK		0105	3									10
12	PU		0609	4									21
13	G												2
14	A		0105	3				PR		0503	1		79
15	PU		0509	4				PR		0530	1		55
16	ROW												25
17	A		0105	3									55
18	A		0511	4				PR		1500	1		47

Oneida Sandy Plains Forest Production

Map No. 21-085
 Oneida County
 American Legion State Forest
 Oneida County, Wisconsin
 Mapped by Dean Farr
 02/17/08
 Compartment 11

Possible Name of Sale: Rudolph Road Red Pine
Legal Description: T40N-R7E, Sections 30 & 31
Timber types: Red Pine
Acres: 143
Compartment 140H & 142H

STAND DESCRIPTION: The stands receiving treatment are either overstocked red pine or white pine plantations. All of these stands have had at least one past thinning. Most of the red pine being thinned has received two separate row thinnings and has yet to receive an intermediate marked thinning. Habitat type is PARV.

GOALS: The entire proposed sale area is located within the Big Arbor Vitae Loamy Hills Forest Production Management Classification. The primary goals are to increase the presence and age of red pine and white pine in all types including mixed hardwood stands. Additional goals relate to maintaining and increasing the red oak component of this area.

ECOLOGICAL CONSIDERATIONS AND SILVICULTURAL PRESCRIPTION: The pine plantations will undergo intermediate marked thinnings. Biomass harvesting will not be allowed due to nutrient poor soils. Asian Honeysuckle was present in stand 13 of compartment 140. Chemical treatment was performed in 2010 to control this invasive. Follow-up and monitoring will continue in 2011.

WATER QUALITY, BMPS: No waterways or wetlands are within the harvest area.

AESTHETICS: Aesthetic impacts of harvesting on these pine stands undergoing an intermediate thin will be minimized by the nature of the harvest and the high residual stocking of the pine stands.

WILDLIFE: Long-term goals for the area are to increase the presence and age of the pine type. Intermediate thins will aid in maintaining the pine stands into maturity, eventually providing habitat for wildlife associated with an older pine type.

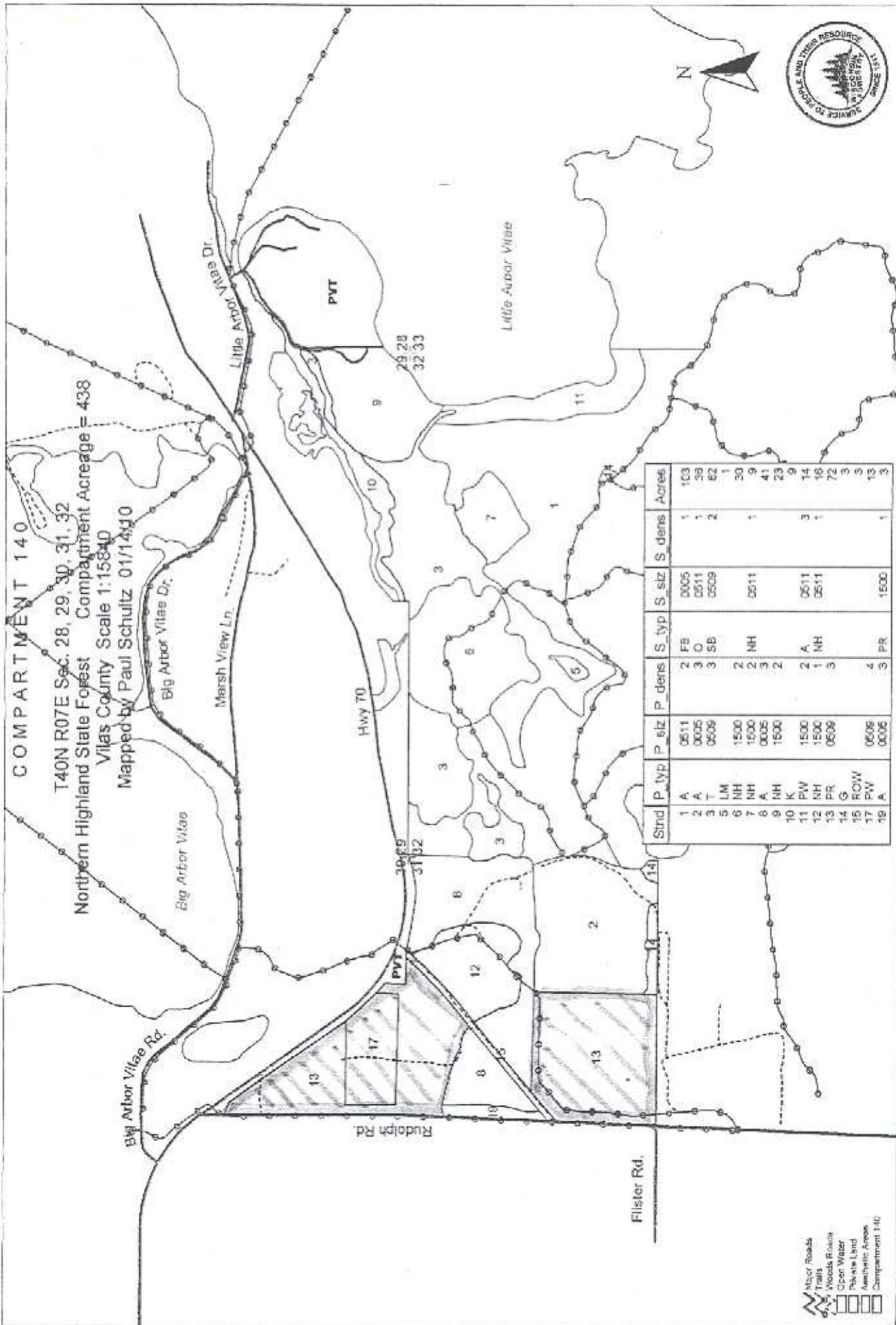
ENDANGERED, ARCHEOLOGICAL, HISTORICAL RESOURCES: No elemental occurrences are present in the NHI for the sale area. Similarly, no archeological or historical hits are present in the area.

RECREATION: There are numerous designated snowmobile trails throughout this portion of the Forest. The Madeline Lake ski trail runs through a portion of one stand. Seasonal decking and harvesting restrictions will be implemented where warranted to minimize user conflicts. Other recreational uses for the area in the fall include hunting which will see minimal impacts from harvesting.

3-25-2011
C. Dalton



COMPARTMENT 140
 T40N R07E Sec. 28, 29, 30, 31, 32
 Northern Highland State Forest Compartment Acreage = 438
 Vilas County Scale 1:15840
 Mapped by Paul Schultz 01/14/90



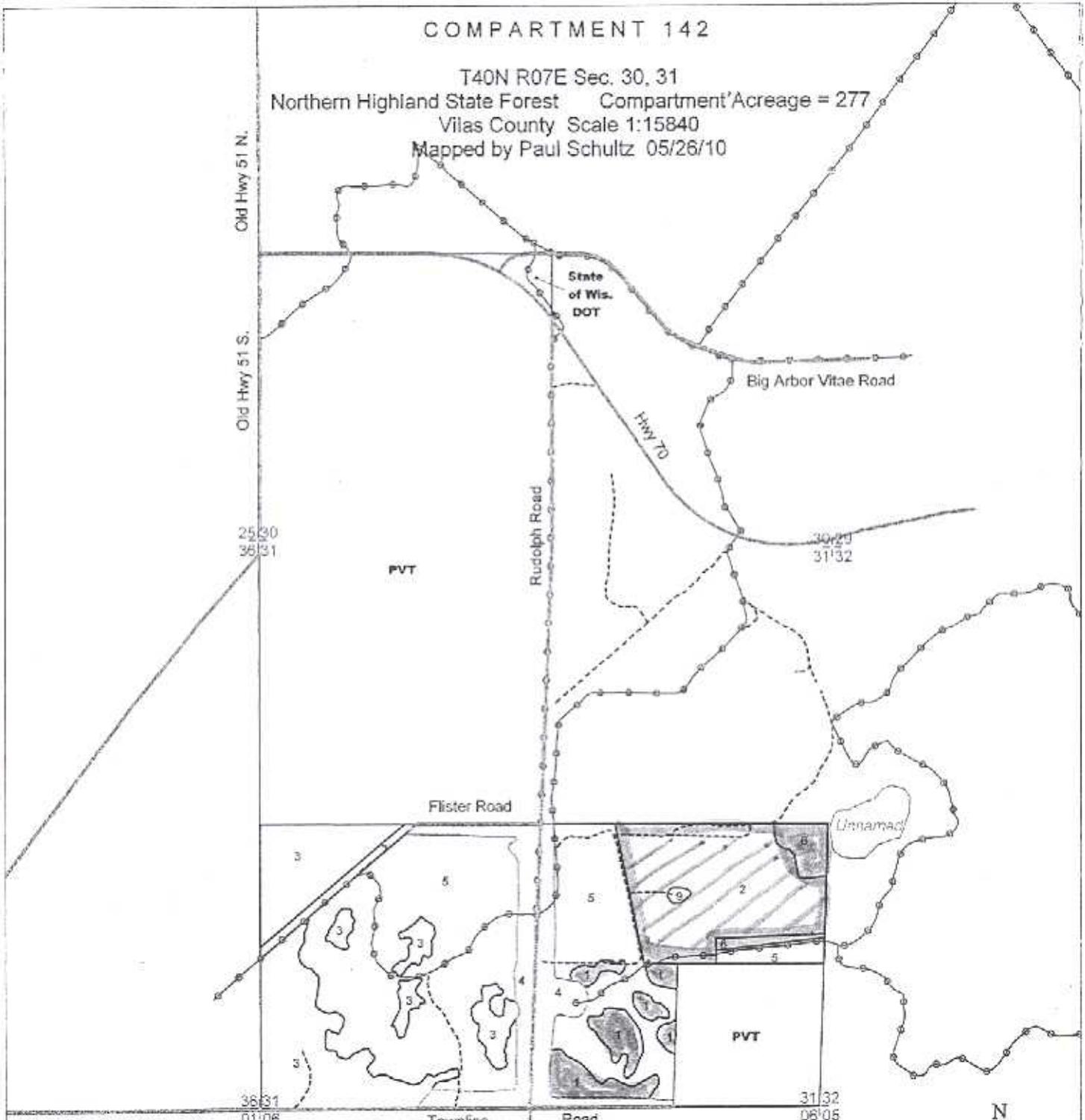
Stand	P_typ	P_siz	P_dens	S_typ	S_siz	S_dens	Acre
1	A	0511	2	FB	0005	1	103
2	A	0005	3	O	0511	1	39
3	T	0506	3	SB	0509	2	82
5	LM						1
6	NH	1500	2	NH	0511	1	30
7	NH	1500	2	NH		1	41
8	A	0005	3			1	16
9	NH	1500	2			23	9
10	K						14
11	PW	1500	2	A	0511	3	16
12	NH	1500	1	NH	0511	1	72
13	PR	0506	3				3
14	G						3
15	ROW						13
17	PW	0506	4				3
18	A	0005	3	PR	1500	1	13
19	A						3

- MSO Roads
- Trails
- Woods Roads
- Open Water
- Private Land
- Aesthetic Areas
- Compartment 140

Big Arbor Vitae Loamy Hills Forest Production

COMPARTMENT 142

T40N R07E Sec. 30, 31
 Northern Highland State Forest Compartment Acreage = 277
 Vilas County Scale 1:15840
 Mapped by Paul Schultz 05/26/10



- Major Roads
- Trails
- Woods Roads
- Open Water
- Private Land
- Aesthetic Areas
- Compartment 142

Std	P_typ	P_siz	P_dens	S_typ	S_siz	S_dens	Acres
1	PR	1500	3	PW	1500	1	14
2	PR	0509	3				44
3	PJ	0005	3				57
4	A	0005	3	PR	1500	1	31
5	A	0005	3				121
6	SW	0509	4				6
7	ROW						3
9	G						1



Big Arbor Vitae Loamy Hills Forest Production

Possible Name of Sale: Clear Lake South
Legal Description: T39N-R7E, Sections 16, 17, 20, & 21
Timber types: Red Pine, Oak, NH
Acres: 362
Compartment 15A

STAND DESCRIPTION: The proposed sale area lies south of Clear Lake between the powerline right-of-ways and highway 47. There are three main stands targeted for management. Stand 1 is a sawlog red oak stand which underwent the initial cut of a two-stage shelterwood harvest in 2007 and 2008. Advanced regeneration of various species including oak is present. Stand 2 is a northern hardwood/red oak mixed stand which had the short-lived species removed in the mid 90's. Stand 4 is an overstocked sawlog red pine plantation last thinned in 2001. Habitat types range from PARVAA in the plantation to AVVB and ATM in the oak and hardwood areas.

GOALS: The entire proposed sale area is located within the Big Arbor Vitae Loamy Hills Forest Production Management Classification. The primary goals are to increase the presence and age of red pine and white pine in all types including mixed hardwood stands. Additional goals relate to maintaining and increasing the red oak component of this area.

ECOLOGICAL CONSIDERATIONS AND SILVICULTURAL PRESCRIPTION: The oak shelterwood area has enough advanced regeneration to take the overstory off. The stand will be cut back to 5-10 oak trees per acre to release the advanced regeneration while still maintaining a significant amount of mature oak. The future stand will be expected to be of similar composition as the pre-shelterwood stand. The mixed northern hardwood-red oak stand will be managed under an all-aged scenario with canopy gaps. The pine plantation will undergo an intermediate thin using the standard order of removal and crop tree release. Biomass harvesting will not be allowed due to nutrient poor soils. Invasive terrestrial big-leaf lupine and moneywort are known to exist within overstory removal area.

WATER QUALITY, BMPS: Uncut riparian buffers will be established both for water quality and aesthetic purposes along the shoreline Clear Lake.

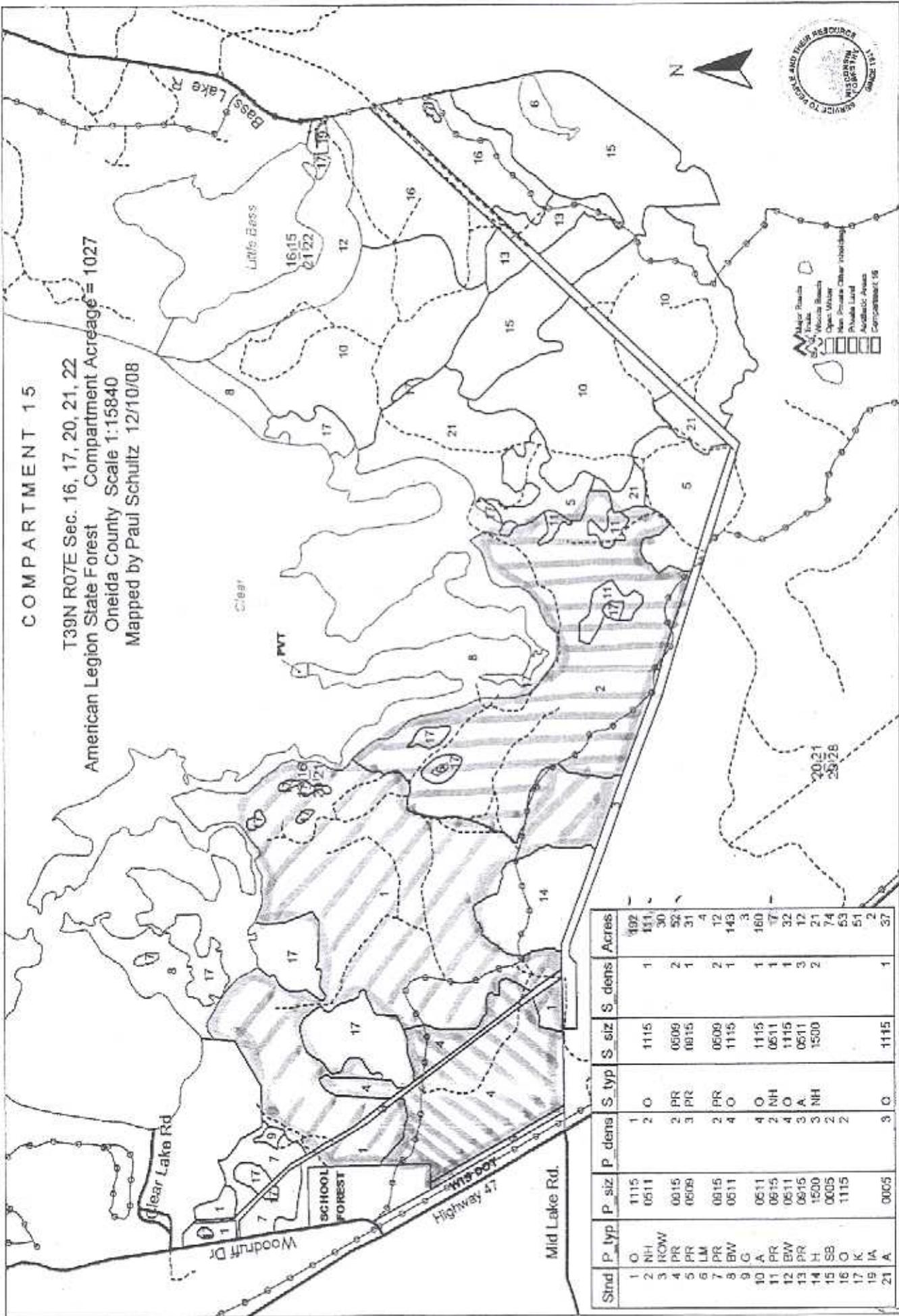
AESTHETICS: Aesthetic concerns of harvesting near Clear Lake and Highway 47 are significant. Aesthetic impacts will be minimized by the high residual stocking of the pine, oak, and hardwood throughout the area. There is also an established conifer understory in areas which will limit visual penetration into the harvest areas.

WILDLIFE: Long-term goals for the area are to increase the presence and age of the pine type. Intermediate thins will aid in maintaining the pine stands into maturity, eventually providing habitat for wildlife associated with an older pine type. The 5-10 oak per acre being left in the overstory removal area will be a source of mast for wildlife and maintain some structure in the stand.

ENDANGERED, ARCHEOLOGICAL, HISTORICAL RESOURCES: The NHI lists various eagle and osprey nests associated with Clear Lake and the nesting platforms of the powerline. One of the osprey platforms is near the proposed sale area but still far enough away to require any modifications. All other nests are a distance from the sale area. No archeological or historical hits are present in the area.

RECREATION: A snowmobile trail runs through a significant portion of the sale area. Seasonal decking restrictions will be implemented along the trail if cutting takes place during the winter months. Other recreational uses for the area in the fall include hunting which will see minimal impacts from harvesting.

4-17-2011
C. Dalton



Std	P typ	P siz	P dens	S typ	S siz	S dens	Acre
1	O	1115	1	O	1115	1	102
2	NH	0511	2	O	1115	1	151
3	ROW						30
4	PR	0815	2	PR	0506	2	52
5	PR	0509	3	PR	0815	1	31
6	LM	0815	2	PR	0509	2	4
7	PR	0815	4	O	1115	1	143
8	BW	0511	4	O	1115	1	3
9	G						180
10	A	0511	4	O	1115	1	17
11	PR	0515	2	NH	0511	1	32
12	BW	0511	4	O	1115	3	12
13	PR	0515	3	A	0511	2	74
14	H	1500	3	NH	1500	2	63
15	SB	0005	2				51
16	O	1115	2				2
17	K						51
19	IA						2
21	A	0005	3	O	1115	1	37

Big Arbor White Loamy Hills Forest Production

Possible Name of Sale: Schuman Road
Legal Description: T40N-R6E, Sections 11, 14, & 15
Timber type(s): Aspen, White Pine, Oak
Acres: 79
Compartment 187H

STAND DESCRIPTION: Stands 2 and 10 are overstocked white pine sawlog stands. Stand 6 is an aesthetic roadside mixed stand of oak, maple, birch, and aspen. Stand 9 is an overmature aspen stand. The primary habitat class for the area is PARVAA.

GOALS: All of the proposed sale area is located within the Vilas Sandy Plains North Forest Production Management Classification. Goals are to increase the red pine and white pine component where feasible and maintain aspen as a strong component in mixed stands.

ECOLOGICAL CONSIDERATIONS AND SILVICULTURAL PRESCRIPTION: The aspen will undergo a regeneration harvest relying primarily on root sprouts and established seedlings to restock the site. The longer-lived red pine and white pine will for the most part remain as a component of the stand. The pine stand will undergo an intermediate thin reducing stocking to recommended levels. The mixed roadside stand will have the majority of the short-lived species removed and the remaining oak and pine thinned.

WATER QUALITY, BMPS: No waterways are within or adjacent to the sale area. Best management practices for water quality will be followed near any wetlands adjacent to the sale.

AESTHETICS: Aesthetics along the town roads are a significant concern. The high residual stocking levels of long-lived species following short-lived species removal and thinning will help to lessen major impacts to aesthetics along the town roads and snowmobile trails.

WILDLIFE: Wildlife dependent on early successional types will benefit with the maintenance of the aspen type. A mixed species stand with some vertical structure will be maintained with the majority of the pine remaining following harvest. The white pine stand will be maintained through an intermediate thinning.

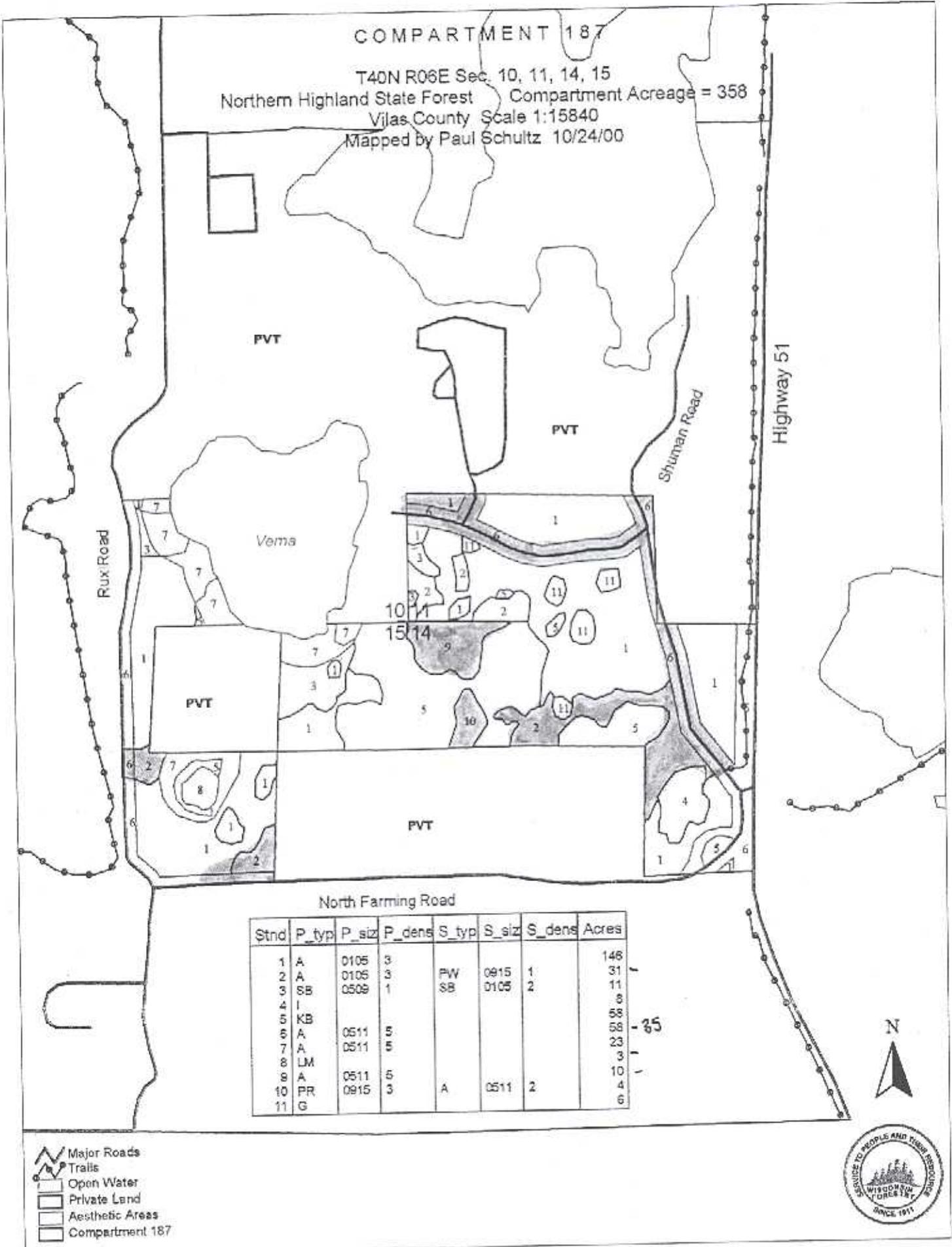
ENDANGERED, ARCHEOLOGICAL, HISTORICAL RESOURCES: The NHI lists the gray wolf as an elemental occurrence. No known den sites are located within the sale area. Archeological and Historical records list nothing of significance for the area.

RECREATION: A designated snowmobile trail runs through many areas of the proposed timber sale. If it is determined the trail will be used for decking and hauling seasonal decking restrictions will be implemented.

4/20/2011
C. Dalton

COMPARTMENT 187

T40N R06E Sec. 10, 11, 14, 15
 Northern Highland State Forest Compartment Acreage = 358
 Vilas County Scale 1:15840
 Mapped by Paul Schultz 10/24/00



North Farming Road

Stnd	P_typ	P_siz	P_dens	S_typ	S_siz	S_dens	Acres
1	A	0105	3				148
2	A	0105	3	PW	0915	1	31
3	SB	0509	1	SB	0105	2	11
4	I						8
5	KB						58
6	A	0511	5				58
7	A	0511	5				23
8	LM						3
8	A	0511	5				10
10	PR	0915	3	A	0511	2	4
11	G						6

- Major Roads
- Trails
- Open Water
- Private Land
- Aesthetic Areas
- Compartment 187



Vilas Sandy Plains North Forest Production

Possible Name of Sale: Stacks Bay
Legal Description: T39N-R7E, Sections 7 & 18
Timber types: Red Pine, Aspen, Oak
Acres: 100
Compartment 1A

STAND DESCRIPTION: The bulk of the acreage for the proposed sale area consists of natural sawlog red pine stands. Also included is one small red pine plantation with a much younger year of origin. The red pine stands have all been thinned in the past. One small mature aspen stand will have portions regenerated where possible as this stand is visible from the water on Stacks Bay. One small mature oak stand is also included and is likewise associated with the shoreline of the Minocqua Thoroughfare. Habitat type is PARVAA.

GOALS: The entire proposed sale area is located within the Big Arbor Vitae Loamy Hills Forest Production Management Classification. The primary goals are to increase the presence and age of red pine and white pine in all types including mixed hardwood stands. Additional goals relate to maintaining and increasing the red oak component of this area.

ECOLOGICAL CONSIDERATIONS AND SILVICULTURAL PRESCRIPTION: The primary prescription will be intermediate thinnings throughout the various natural and plantation origin red pine stands. The overall age of the natural red pine stands will be allowed to increase beyond economic rotation ages. The small aspen stand will be regenerated through the standard coppice with standards technique. The small oak stand will only undergo an intermediate thin of sorts due to its location and aesthetic concerns. Biomass harvesting will not be allowed due to nutrient poor soils. No invasives are known to exist within the proposed sale area.

WATER QUALITY, BMPS: Uncut riparian buffers will be established both for water quality and aesthetic purposes along the shoreline of Minocqua Lake and Minocqua Thoroughfare.

AESTHETICS: Aesthetic concerns of harvesting within this stand along Minocqua Lake and highway 47 are significant. Aesthetic impacts will be minimized by the significant residual stocking of the pine and oak throughout the area. There is also an established conifer understory in areas which will limit visual penetration into the harvest area.

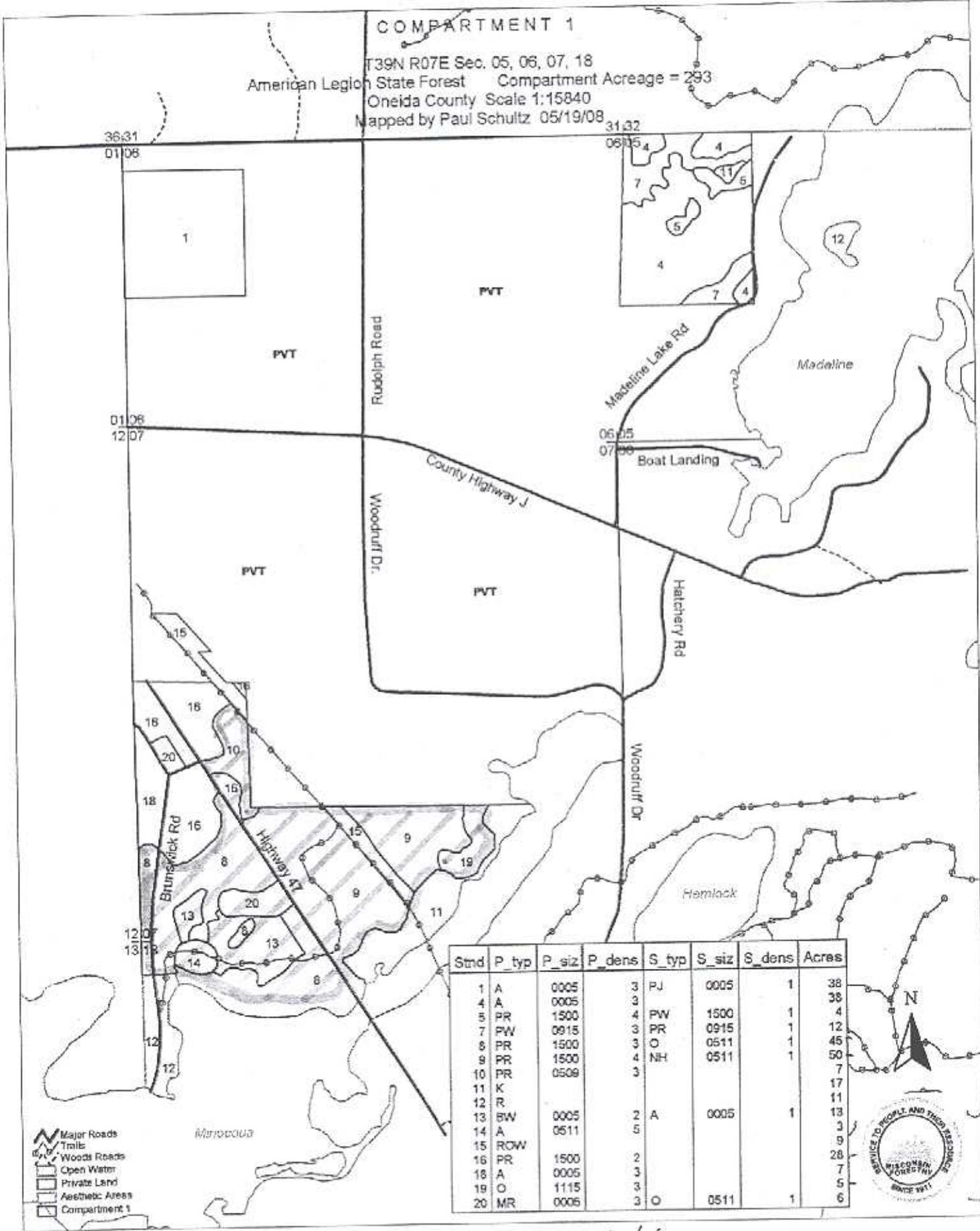
WILDLIFE: Long-term goals for the area are to increase the presence and age of the pine type. Intermediate thins will aid in maintaining the pine stands into maturity, eventually providing habitat for wildlife associated with an older pine type. The majority of the large oak will be maintained for wildlife and silvicultural purposes.

ENDANGERED, ARCHEOLOGICAL, HISTORICAL RESOURCES: The NHI lists an eagle nest and an osprey nest in the sale area. The eagle nest lies well to the north of the sale area on private property and will not be affected. Seasonal restrictions will be implemented in the vicinity of the osprey nest if warranted. No archeological or historical hits are present in the area.

RECREATION: A snowmobile trail runs through a significant portion of the sale area. Seasonal decking restrictions will be implemented along the trail if cutting takes place during the winter months. Other recreational uses for the area in the fall include hunting which will see minimal impacts from harvesting.

COMPARTMENT 1

T39N R07E Sec. 05, 06, 07, 18
 American Legion State Forest Compartment Acreage = 293
 Oneida County Scale 1:15840
 Mapped by Paul Schultz 05/19/08



Std	P_typ	P_siz	P_dens	S_typ	S_siz	S_dens	Acres
1	A	0005	3	PJ	0005	1	38
4	A	0005	3				38
5	PR	1500	4	PW	1500	1	4
7	PW	0915	3	PR	0915	1	12
8	PR	1500	3	O	0511	1	45
9	PR	1500	4	NH	0511	1	50
10	PR	0508	3				7
11	K						17
12	R						11
13	BW	0005	2	A	0005	1	13
14	A	0511	5				3
15	ROW						9
16	PR	1500	2				28
18	A	0005	3				7
19	O	1115	3				5
20	MR	0006	3	O	0511	1	6



Big Arbor Vitae Hills Forest Production

Possible Name of Sale: Fisher Landing Aspen

Legal Description: T39N-R7E, Section 8

Timber types: Aspen

Acres: 12

Compartment 2A

STAND DESCRIPTION: The stand receiving treatment is an overmature mixed aspen stand. Primary species present area aspen, white birch, red oak, and red maple. Secondary species include red pine, white pine, and balsam fir. This stand is a small acreage between Madeline Lake and the wetlands of Carrol Lake. Habitat type is PARVAA.

GOALS: The entire proposed sale area is located within the Big Arbor Vitae Loamy Hills Forest Production Management Classification. The primary goals are to increase the presence and age of red pine and white pine in all types including mixed hardwood stands. Additional goals relate to maintaining and increasing the red oak component of this area.

ECOLOGICAL CONSIDERATIONS AND SILVICULTURAL PRESCRIPTION: The primary prescription will be to remove the majority of the short-lived species of aspen, birch and maple to release the established regeneration of pine and aid the conversion to white pine. Biomass harvesting will not be allowed due to nutrient poor soils. No invasives are known to exist within the proposed sale area.

WATER QUALITY, BMPS: Uncut riparian buffers will be established both for water quality and aesthetic purposes along the shoreline of Madeline Lake.

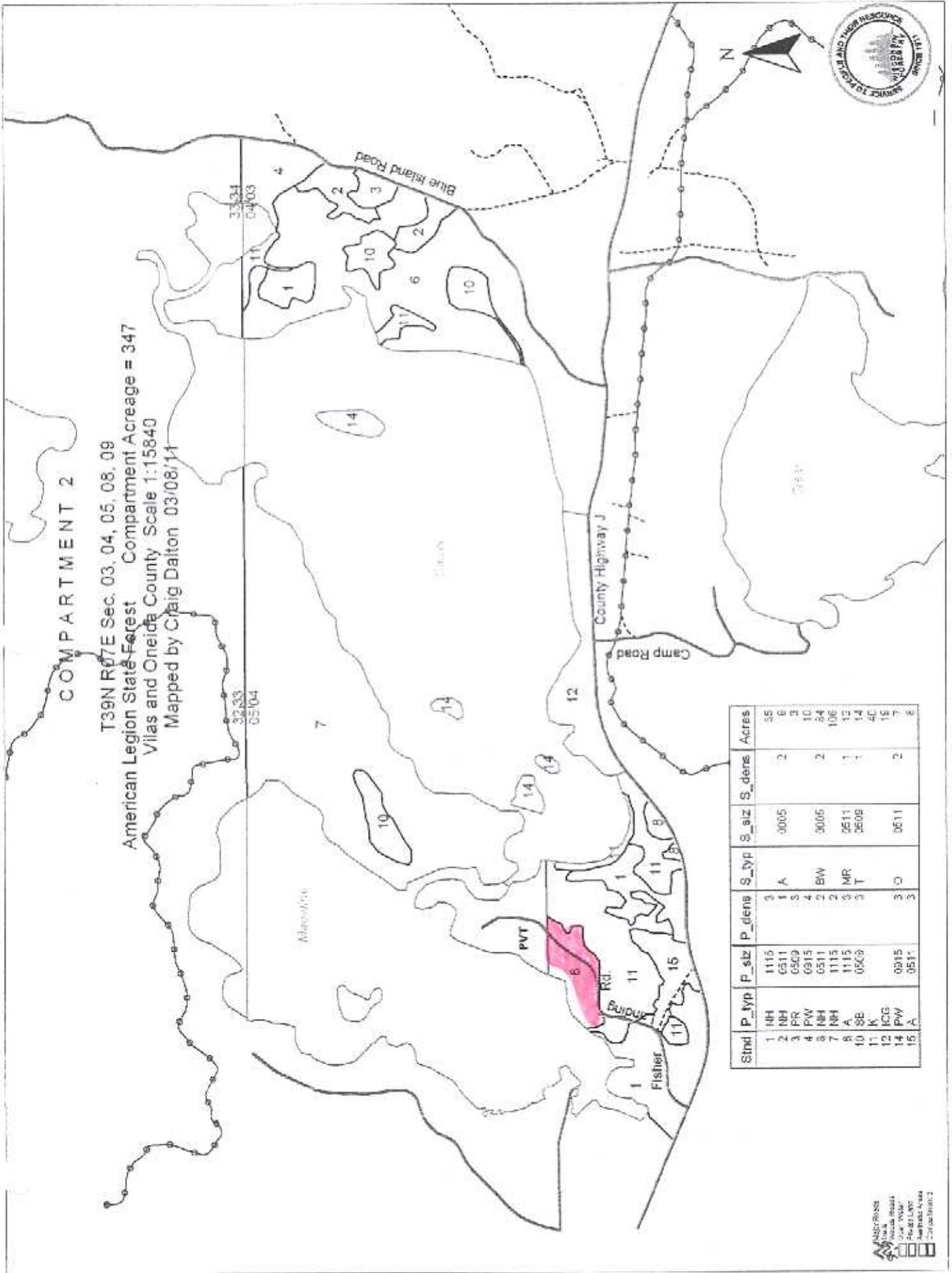
AESTHETICS: Aesthetic concerns of harvesting within this stand along Madeline Lake and the Fisher Landing Road are significant. Aesthetic impacts will be minimized by the significant residual stocking of the pine and oak throughout the area. There is also an established conifer understory in areas which will limit visual penetration into the harvest area.

WILDLIFE: Long-term goals for the area are to increase the presence and age of the pine type. Intermediate thins will aid in maintaining the pine stands into maturity, eventually providing habitat for wildlife associated with an older pine type. The majority of the large oak will be maintained for wildlife and silvicultural purposes.

ENDANGERED, ARCHEOLOGICAL, HISTORICAL RESOURCES: The NHI lists an eagle nest in the sale area. This eagle nest lies well to the north of the sale area and will not be affected. No archeological or historical hits are present in the area.

RECREATION: No designated recreational trails are found within the proposed harvest area. Other recreational uses for the area in the fall include hunting which will see minimal impacts from harvesting.

4-05-2011
C. Dalton



COMPARTMENT 2

T39N R07E Sec. 03, 04, 05, 06, 09
 American Legion State Forest Compartment Acreage = 347
 Vilas and Oneida County Scale 1:15840
 Mapped by Craig Dalton 03/08/11

Stnd	P_typ	P_siz	P_dens	S_typ	S_siz	S_dens	Acres
1	NH	1115	3	1	3005	2	55
2	NH	0511	1	A			6
3	PR	0509	3	3			9
4	PW	0915	4	BW	3005	2	10
5	NH	0511	2	84			84
7	NH	1115	2	MR	2611	1	106
8	A	1115	3	T	2609	1	12
10	SB	0509	3				40
11	K						19
12	ICG	0915	3	O	0511	2	19
14	PW	0511	3				6
15	A						

Map Date: 03/08/11
 Scale: 1:15840
 Author: Craig Dalton
 Project: American Legion State Forest
 Compartment 2

Big Arbor Vitae Loamy Hills Forest Production

Possible Name of Sale: Forest Trail Red Pine
Legal Description: T39N-R7E, Sections 28, 33
Timber types: Red Pine
Acres: 24
Compartment 25A

STAND DESCRIPTION: The stand receiving treatment is an overstocked small sawlog red pine plantation. Stand 1 was thinned most recently in 2000. Habitat type is PARV.

GOALS: The entire proposed sale area is located within the Oneida Sandy Plains Forest Production Management Classification. Goals are to maintain for current levels of oak, increase presence of pine when possible, and maintain the aspen component as a dominant community.

ECOLOGICAL CONSIDERATIONS AND SILVICULTURAL PRESCRIPTION: The plantations will undergo intermediate marked thinnings. Biomass harvesting will not be allowed due to nutrient poor soils. No invasives are recorded for the sale area.

WATER QUALITY, BMPS: No waterways or wetlands are within or adjacent to the plantation being thinned.

AESTHETICS: The pine stand proposed for harvest is highly visible along the town road. Aesthetic impacts of harvesting on this pine stand undergoing an intermediate thin will be minimized by the nature of the harvest and the high residual stocking of the pine stand.

WILDLIFE: Long-term goals for the area are to increase the presence and age of the pine type. Intermediate thins will aid in maintaining the pine stands into maturity, eventually providing habitat for wildlife associated with an older pine type.

ENDANGERED, ARCHEOLOGICAL, HISTORICAL RESOURCES: There are no known NHI occurrences within the sale area. Similarly, there are no known archeological or historical resources in the sale area.

RECREATION: No designated recreational trails are in the area. Other recreational uses for the area in the fall include hunting which will see minimal impacts from harvesting.

3-25-2011
C. Dalton



COMPARTMENT 25

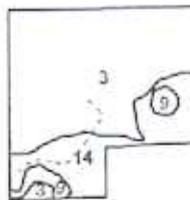
T39N R07E Sec. 28, 29, 32, 33
 American Legion State Forest Compartment Acreage = 331
 Oneida County Scale 1:15840
 Mapped by Paul Stearns 02/03/10



20,21
29,30

15

PVT



Three Little

Highway 47

15

29,28

32,33

Stnd	P typ	P siz	P dens	S typ	S siz	S dens	Acres
1	PR	0015	4	PW	0509	1	24
2	MR	0511	1	FS	0005	2	24
3	D	1500	2	PW	1500	1	24
4	D	1115	2	MR	0511	2	178
8	G						3
9	K						3
12	ICD						61
13	LM						1
14	PW	0005	3	PW	0509	1	8
15	ROW						5



- Major Roads
- Trails
- Woods Roads
- Open Water
- Private Land
- Compartment 25

Oneida Sandy Plains Forest Production

Possible Name of Sale: Bird Lake Roadside
Legal Description: T38N-R7E, Sections 5 & 6
Timber types: Oak
Acres: 59
Compartment 27A

STAND DESCRIPTION: Two stands are scheduled for activity. Stand 10 is a mixed roadside stand of primarily oak, aspen, and white birch. The aspen here is overmature. Some advanced regeneration of white pine is present in the understory. Stand 16 is an oak stand which is roughly 90 years old. The majority of the oak stand was thinned in the early 90's. Habitat type is PARVAA.

GOALS: The entire proposed sale area is located within the Oneida Sandy Plains Forest Production Management Classification. Goals are to maintain for current levels of oak, increase presence of pine when possible, and maintain the aspen component as a dominant community.

ECOLOGICAL CONSIDERATIONS AND SILVICULTURAL PRESCRIPTION: The mixed roadside stand will have the short-lived species removed. This will release the advanced regeneration of white pine established in the understory. The main oak areas will undergo the first cut of a two-stage shelterwood harvest to begin the regeneration of the oak stand. The oak stand will therefore be maintained. Biomass harvesting is allowed for the majority of the sale area. A common tansy and yellow iris have been recorded as invasives associated with a woods road near the sale area.

WATER QUALITY, BMPS: Riparian management zones will be established along Lake Tomahawk. No harvesting will take place within these riparian management zones.

AESTHETICS: Aesthetic impacts of harvesting along the Town road and the shores of Lake Tomahawk are a concern. The uncut riparian buffers along Lake Tomahawk will shield harvest activity from the lake. The high residual of oak and pine in the roadside strip will help to lessen harvesting impacts along Bird Lake Road. The strong conifer understory component will help lessen impacts as well.

WILDLIFE: Long-term goals for the area are to increase the presence and age of the pine type. The pine component in the harvest stands will be maintained. The oak type will be maintained through a shelterwood harvest with the goal of perpetuating the oak type far into the future. Some mature oak will be maintained during these regeneration attempts which will provide a mast source for wildlife.

ENDANGERED, ARCHEOLOGICAL, HISTORICAL RESOURCES: The NHI lists a number of eagle nests present in the area associated with the shores of Lake Tomahawk. No active nests are near the sale area. No historical or archeological resources are known to exist in the area.

RECREATION: There are no designated recreational trails throughout this portion of the Forest. The main recreational use for the area is hunting which will see minimal short-term impacts from harvesting. The maintenance of oak type will benefit wildlife over the long-term.

4-25-2011
C. Dalton

COMPARTMENT 27

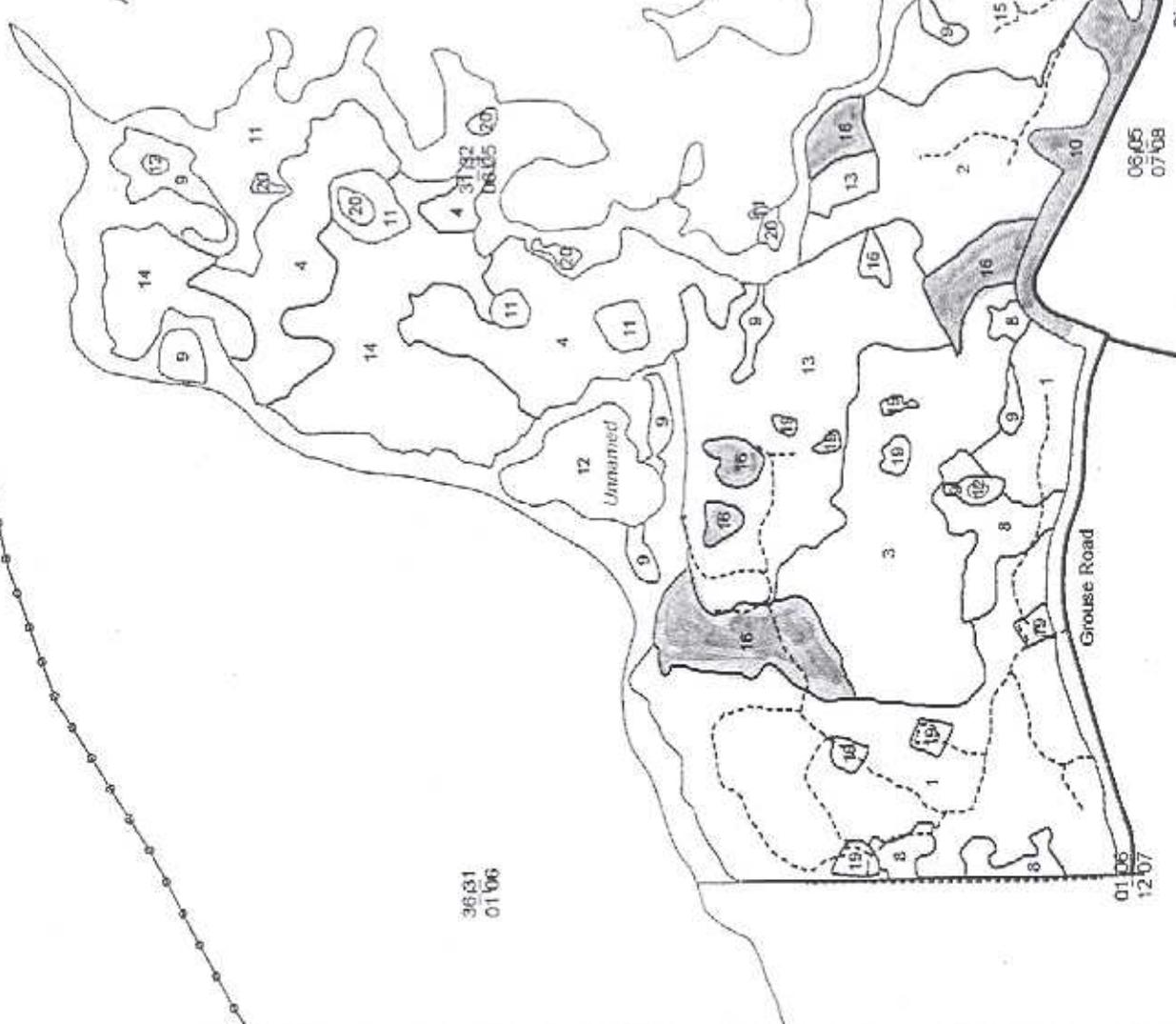
T39N R07E Sec. 31, 32
 T38N R07E Sec. 04, 05, 06
 American Legion State Forest
 Oneida County, State of NY
 Mapped by Paul Schultz 11/24/08

Compartment Acreage = 756

Stnd	P_typ	P_siz	P_dens	S_typ	S_siz	S_dens	Acres
1	A	0511	2	A	0005	2	111
2	A	0005	3				41
3	A	0511	3				62
4	A	0005	3	O	1115	1	65
8	PW	0915	2	PW	0509	1	17
9	T	0509	2	SB	0005	2	18
10	O	1115	1	O	0511	2	26
11	O	0511	3				187
12	LM						16
13	A	0511	2	MR	0005	3	67
14	O	1115	2	NH	0511	1	60
15	A	0511	2	MR	0005	2	26
16	O	1115	3				43
19	G						8
20	K						9



- Major Roads
- Trails
- Woods Roads
- Open Water
- Private Land
- Aesthetic Areas
- Compartment 27



3681
01/06

01/06
12/07

Oneida Sandy Plains Forest Production

Possible Name of Sale: CTH D Seed Orchard
Legal Description: T38N-R7E, Sections 9 & 10
Timber types: Oak, Red Pine, White Pine, Jack Pine
Acres: 109
Compartment 28A

STAND DESCRIPTION: Stand 8 consists of plantations of jack pine and spruce which have not received a thin. Stand 11 is the roadside stand along CTH D. This is a mixed stand of white pine, red pine, and mature aspen. Stands 15 and 17 are red pine plantations. Stand 15 has been thinned twice with the last thinning completed in 2001. Stand 17 is a younger plantation which has reached merchantability and is in need of a row thin. Stand 31 is a mixed stand of oak, white pine, sugar maple, and red maple. Portions of this stand have a significant amount of advanced regeneration of white pine saplings. The primary habitat type for this sale is AVVB.

GOALS: The entire proposed sale area is located within the Oneida Sandy Plains Forest Production Management Classification. Goals are to maintain for current levels of oak, increase presence of pine when possible, and maintain the aspen component as a dominant community.

ECOLOGICAL CONSIDERATIONS AND SILVICULTURAL PRESCRIPTION: The red pine plantations will be thinned to recommended stocking levels. One will be a row thin and the other a marked thin. The spruce plantation will also undergo an intermediate thinning. The mixed roadside stand will have the short-lived species removed and the pine areas thinned. This will release the advanced regeneration of white pine established in the understory. The mixed oak/pine areas will undergo a variable harvest ranging between a shelterwood harvest and an overstory release. The release areas will be situated where advanced regeneration of white pine is present. The oak stand will be maintained and portions likely naturally convert to pine following harvest. Biomass harvesting is allowed for the entire proposed sale area. The 2006 invasives survey lists glossy buckthorn as present in the opening near the Stand 17 plantation.

WATER QUALITY, BMPS: No waterways or wetlands are within or adjacent to the sale area.

AESTHETICS: Aesthetic impacts of harvesting along CTH D are a concern. The nature of the pine thinnings will reduce the overall visual impacts considerably. The mixed roadside stand of pine and aspen will have a significant residual stocking following thinning which will also help to lessen aesthetic impacts of this harvest. The strong conifer understory component will help lessen impacts in the oak stand not visible from the county highway.

WILDLIFE: Long-term goals for the area are to increase the presence and age of the pine type. A pine component in the harvest stands will be maintained. Portions of the mixed oak pine stand will undergo an understory release favoring the long-term goals of managing for pine. The oak type will be maintained through a shelterwood harvest with the goal of perpetuating the oak type far into the future. Numerous mature oak will be maintained throughout the sale area which will provide a mast source for wildlife.

ENDANGERED, ARCHEOLOGICAL, HISTORICAL RESOURCES: No elemental occurrences are listed within the NHI for the sale area. No historical or archeological resources are known to exist in the area as well.

RECREATION: There are no designated recreational trails throughout this portion of the Forest. The main recreational use for the area is hunting which will see minimal short-term impacts from harvesting. The maintenance of oak type will benefit wildlife over the long-term.

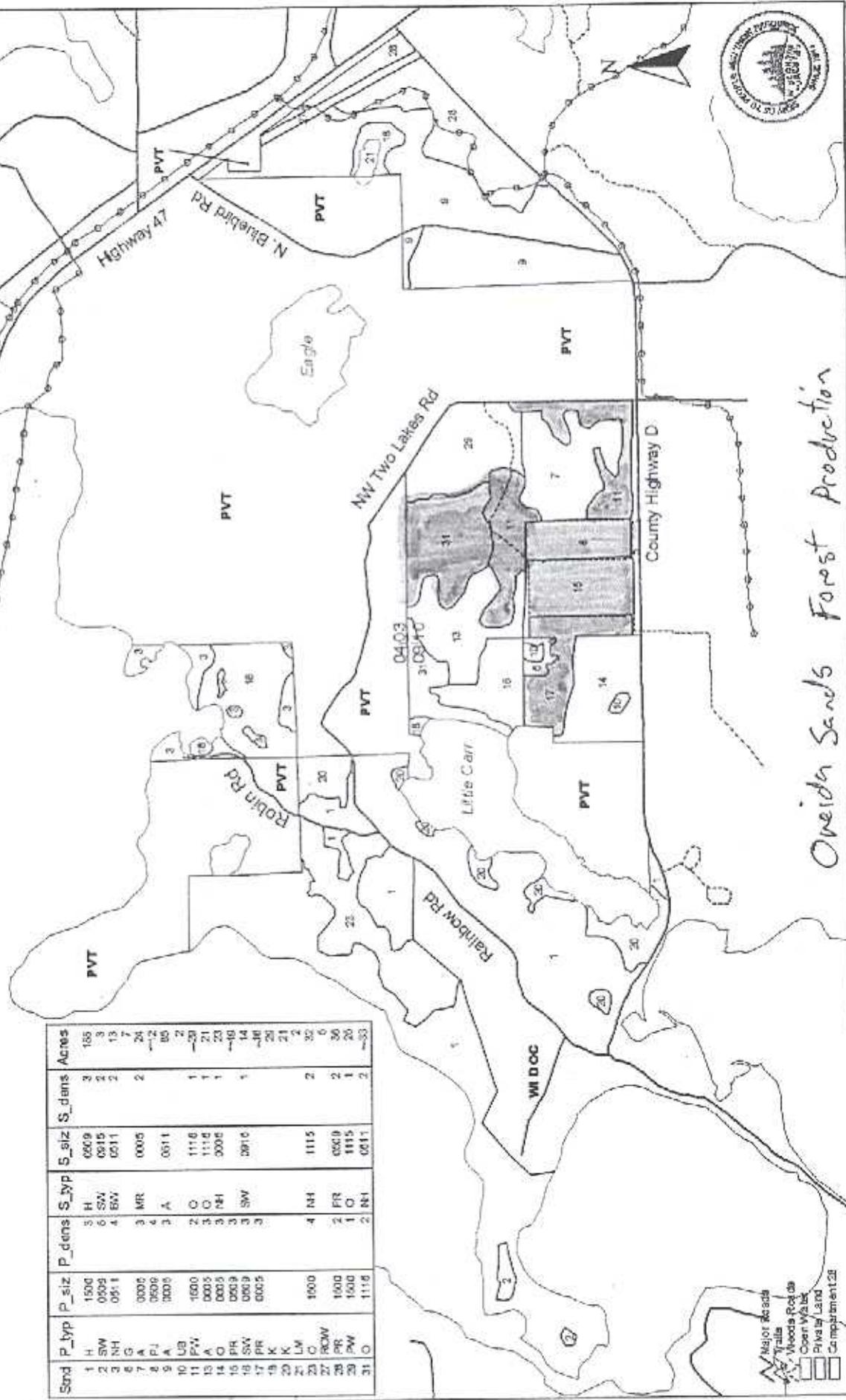
4-27-2011
C. Dalton



COMPARTMENT 28

T38N R07E Sec. 02, 03, 04, 08, 09, 10, 11
 American Legion State Forest Compartment Acreage = 639
 Oneida County Scale 1:10000
 Mapped by Paul Schultz 10/25/97

Stnd	P_hyp	P_siz	P_dens	S_hyp	S_siz	S_dens	Acres
1	H	1500	3	H	0509	3	185
2	SW	0305	2	SW	0315	2	3
3	NH	0511	2	SW	0511	2	13
4	G	0005	2	MR	0005	2	7
5	A	0506	4	A	0511	2	24
6	PJ	0305	3	A	0511	2	-2
7	A	1000	2	O	1116	1	85
8	PV	0005	1	O	1116	1	20
9	A	0005	3	NH	0005	1	-20
10	PR	0509	3	SW	0910	1	-10
11	PR	0005	3				14
12	K	0005	3				-10
13	K	0005	3				25
14	K	0005	3				21
15	K	0005	3				21
16	K	0005	3				2
17	C	1000	4	NH	1115	2	32
18	C	1000	2	FR	0509	2	6
19	PR	1000	2	FR	0509	2	36
20	PR	1000	1	O	1115	1	20
21	PR	1000	2	NH	0211	2	-53
22	O	1116	2				



- Major Roads
- Trails
- Woods Foot ds
- Open Water
- Private Land
- Compartment 28

Oneida Sands Forest Production

Possible Name of Sale: McNaughton Lake Red Pine

Legal Description: T38N-R7E, Section 35

Timber types: Red Pine

Acres: 64

Compartment 44A

STAND DESCRIPTION: The majority of the stands receiving treatment are overstocked red pine plantations. Stand 3 is a mixed stand of mature aspen. Past management activity in the red pine plantations include a number of past thinnings. Habitat type is PARV.

GOALS: The entire proposed sale area is located within the Oneida Sandy Plains Forest Production Management Classification. Goals are to maintain for current levels of oak, increase presence of pine when possible, and maintain the aspen component as a dominant community.

ECOLOGICAL CONSIDERATIONS AND SILVICULTURAL PRESCRIPTION: The plantations will undergo intermediate marked thinnings. The small aspen stand adjacent to the plantations will be regenerated through a coppice with standards technique. Biomass harvesting will not be allowed due to nutrient poor soils. No invasives are recorded for the sale area.

WATER QUALITY, BMPS: No waterways are within or adjacent to the harvest areas. The sale area lies outside the McNaughton Lake Scenic Lake Zone.

AESTHETICS: Aesthetic impacts of harvesting on these pine stands undergoing an intermediate thin will be minimized by the nature of the harvest and the high residual stocking of the pine stands. The small aspen stand is surrounded by plantation and black spruce swamp which will help to lessen the visual impacts to the regeneration harvest in this small stand.

WILDLIFE: Long-term goals for the area are to increase the presence and age of the pine type. These intermediate thins will aid in doing this and provide habitat for wildlife associated with and older pine type. Aspen regeneration and maintenance will favor early successional associated wildlife.

ENDANGERED, ARCHEOLOGICAL, HISTORICAL RESOURCES: The gray wolf is listed in the NHI as having a known territory. No known dens sites are located within the sale area. No known archeological or historical elements exist within the proposed harvest area.

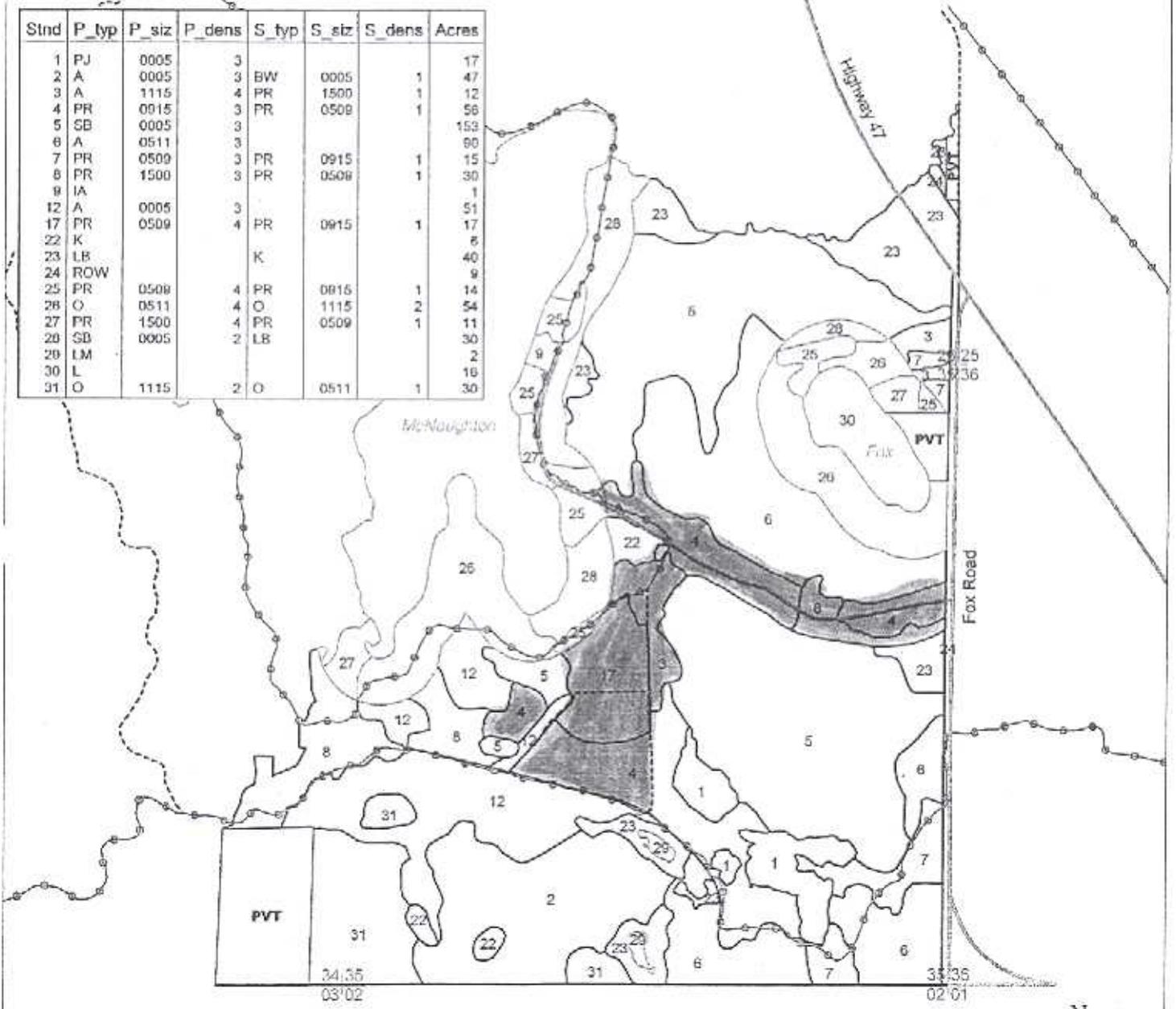
RECREATION: The McNaughton ski trail loops through portions of this pine plantation. The southern border of the boundary is a designated snowmobile trail. Seasonal restrictions and trail repair guidelines may be warranted. The entire sale area can be harvested with minimal conflicts with the trail system even in the winter time. Other recreational uses for the area in the fall include hunting which will see minimal impacts from harvesting.

2-25-2011
C. Dalton

COMPARTMENT 44

T38N R07E Sec. 26, 34, 35
 American Legion State Forest Compartment Acreage = 701
 Oneida County Scale 1:15840
 Mapped by Paul Schultz 06/17/10

Stnd	P_typ	P_siz	P_dens	S_typ	S_siz	S_dens	Acres
1	PJ	0005	3				17
2	A	0005	3	BW	0005	1	47
3	A	1115	4	PR	1500	1	12
4	PR	0015	3	PR	0500	1	56
5	SB	0005	3				153
6	A	0511	3				90
7	PR	0500	3	PR	0915	1	15
8	PR	1500	3	PR	0500	1	30
9	IA						1
12	A	0005	3				51
17	PR	0500	4	PR	0915	1	17
22	K						6
23	LB			K			40
24	ROW						9
25	PR	0500	4	PR	0915	1	14
26	O	0511	4	O	1115	2	54
27	PR	1500	4	PR	0500	1	11
28	SB	0005	2	LB			30
29	LM						2
30	L						16
31	O	1115	2	O	0511	1	30



Oneida Sandy Plains Forest Production

35

30
17
12

Possible Name of Sale: Highway 17 Red Pine

Legal Description: T39N-R9E, Section 25

Timber types: Red Pine

Acres: 19

Compartment 64A

STAND DESCRIPTION: Stand 4 is a roughly 30 year-old overstocked red pine plantation. No past management activity is recorded or evident. This plantation is former Plum Creek lands which have recently been acquired. Best access is through private lands off HWY 17. Access through state land from the south will require traversing low lying areas. Habitat type is PARV.

GOALS: The entire proposed sale area is located within the Oneida Sandy Plains Forest Production Management Classification. Goals are to maintain for current levels of oak, increase presence of pine when possible, and maintain the aspen component as a dominant community.

ECOLOGICAL CONSIDERATIONS AND SILVICULTURAL PRESCRIPTION: The majority of the plantation will undergo an initial mechanical row thinning. Areas of poor survival may be marked for an intermediate thin. Either thinning tactic will maintain the health and vigor of the pine stands. Biomass harvesting will not be allowed due to nutrient poor soils. No invasives are recorded for the sale area.

WATER QUALITY, BMPS: No waterways are within or adjacent to the harvest areas. If access from the south through state land is used frozen ground restrictions would most likely apply.

AESTHETICS: Aesthetic impacts of harvesting on these pine stands undergoing an intermediate thin will be minimized by the nature of the harvest and the high residual stocking of the pine stands.

WILDLIFE: Long-term goals for the area are to increase the presence and age of the pine type. These intermediate thins will aid in doing this and provide habitat for wildlife associated with and older pine type.

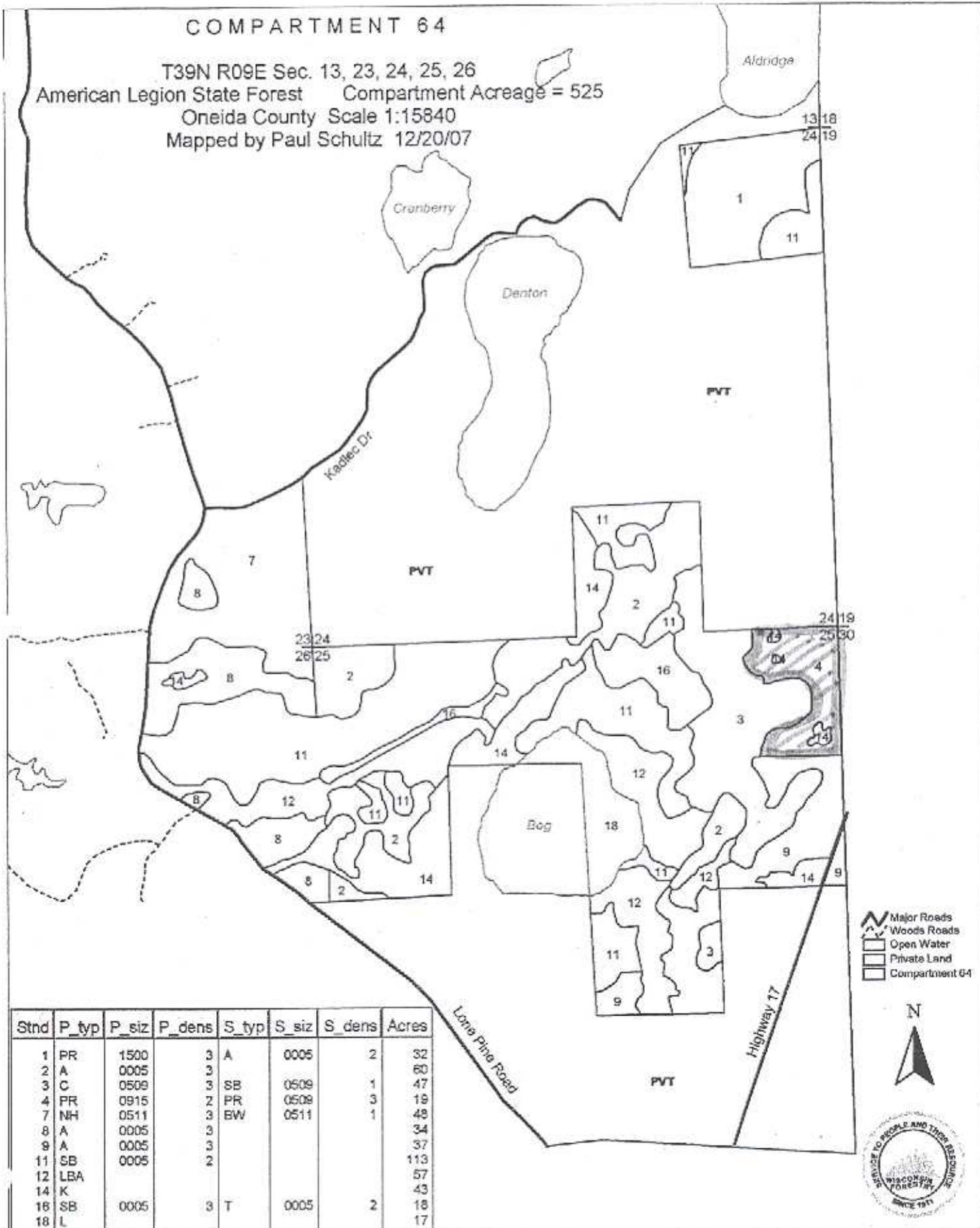
ENDANGERED, ARCHEOLOGICAL, HISTORICAL RESOURCES: No NHI hits are recorded for the area. No known archeological or historical elements exist within the proposed harvest area.

RECREATION: No designated trails are in the sale area. The main recreational use for the area in the fall is hunting which will see minimal impacts from harvesting.

2-25-2011
C. Dalton

COMPARTMENT 64

T39N R09E Sec. 13, 23, 24, 25, 26
 American Legion State Forest Compartment Acreage = 525
 Oneida County Scale 1:15840
 Mapped by Paul Schultz 12/20/07



Stnd	P_typ	P_siz	P_dens	S_typ	S_siz	S_dens	Acres
1	PR	1500	3	A	0005	2	32
2	A	0005	3				60
3	C	0509	3	SB	0509	1	47
4	PR	0915	2	PR	0509	3	19
7	NH	0511	3	BW	0511	1	48
8	A	0005	3				34
9	A	0005	3				37
11	SB	0005	2				113
12	LBA						57
14	K						43
16	SB	0005	3	T	0005	2	18
18	L						17

Oneida Sandy Plains Forest Production

Possible Name of Sale: Nokomis Drive Red Pine
Legal Description: T39N-R8E, Sections 23, 26, 27, 34
Timber types: Red Pine
Acres: 81
Compartment 71A

STAND DESCRIPTION: All stands receiving treatment are overstocked small sawlog red pine plantations. All stands have been thinned in the past. Stand 1 was thinned most recently in 2001 and stand 2 was thinned in 1999. Habitat type is PARV.

GOALS: The entire proposed sale area is located within the Oneida Sandy Plains Forest Production Management Classification. Goals are to maintain for current levels of oak, increase presence of pine when possible, and maintain the aspen component as a dominant community.

ECOLOGICAL CONSIDERATIONS AND SILVICULTURAL PRESCRIPTION: The plantations will undergo intermediate marked thinnings. Biomass harvesting will not be allowed in the southern most block due to nutrient poor soils. All other areas are not restricted from biomass harvesting. Two patches of "orange daylily" were recorded in 2006 during an invasives survey.

WATER QUALITY, BMPS: No harvesting will take place within the riparian management zones of the Nokomis Lake or Swamp Creek.

AESTHETICS: Aesthetic impacts of harvesting on these pine stands undergoing an intermediate thin will be minimized by the nature of the harvest and the high residual stocking of the pine stands

WILDLIFE: Long-term goals for the area are to increase the presence and age of the pine type. Intermediate thins will aid in maintaining the pine stands into maturity, eventually providing habitat for wildlife associated with an older pine type.

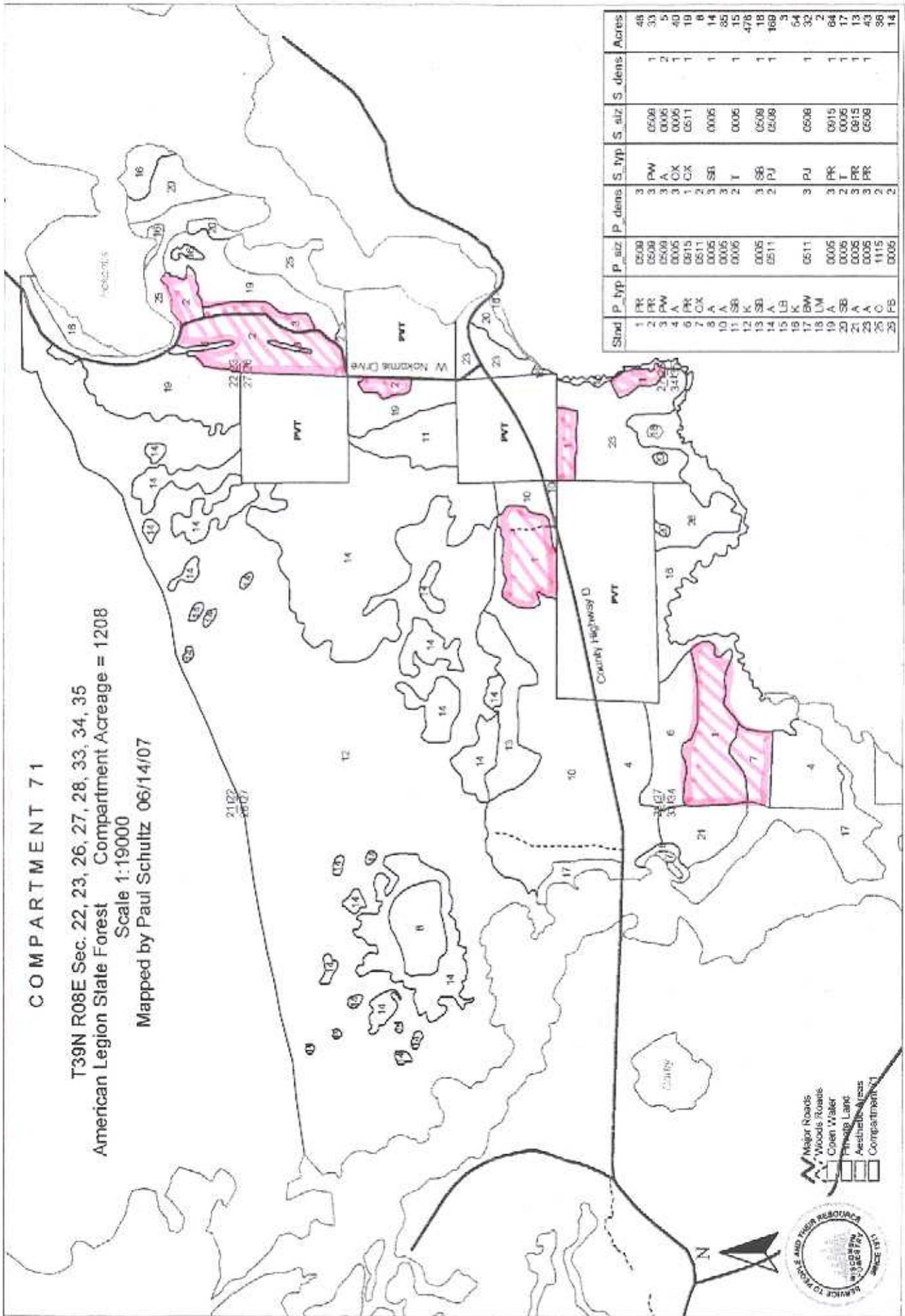
ENDANGERED, ARCHEOLOGICAL, HISTORICAL RESOURCES: NHI hits include eagle and osprey nests in the area. The modified management zones around the NHI listed nests are far removed from the proposed sale area. The area is listed as wolf territory but no known den sites are within the proposed sale area. Other NHI hits are related to the wetlands of the bog area east of the Rainbow Flowage and the Flowage itself. No harvesting will take place near the Flowage. There are no known archeological or historical resources in the sale area.

RECREATION: No designated recreational trails are in the area. Other recreational uses for the area in the fall include hunting which will see minimal impacts from harvesting.

3-30-2011
C. Dalton

COMPARTMENT 71

T39N R06E Sec. 22, 23, 26, 27, 28, 33, 34, 35
 American Legion State Forest Compartment Acreage = 1208
 Scale 1:19000
 Mapped by Paul Schultz 06/14/07



Oreida Sandy Plains Forest Production

Possible Name of Sale: McNaughton Creek

Legal Description: T38N-R7E, Section 25. T38N-R8E, Section 30.

Timber types: Red Maple, Red Pine

Acres: 100

Compartment 45A

STAND DESCRIPTION: Stand 12 is an overstocked red pine plantation. The majority of the stand was thinned in 1998. In 1999 a salvage was performed in the same sale area due to a major wind event. The east end of this stand was never thinned and still has short-lived species present. Stands 5 and 16 are former WVIC lands. Stand 5 is a poorly stocked mixed stand of red maple, aspen, and white birch. This area experienced some wind damage in 1999 as well. The understory is dominated by sapling sized balsam fir. Stand 16 is a natural sawlog red pine stand which is overstocked. Habitat type is PARVAA.

GOALS: The entire proposed sale area is located within the Oneida Sandy Plains Forest Production Management Classification. Goals are to maintain for current levels of oak, increase presence of pine when possible, and maintain the aspen component as a dominant community.

ECOLOGICAL CONSIDERATIONS AND SILVICULTURAL PRESCRIPTION: The plantation will undergo an intermediate marked thinning and short-lived species removal. The maple/aspen type will have the remaining merchantable stems salvaged in the hopes of regenerating portions of this stand back to aspen. The natural pine stand will undergo an intermediate thinning from below. Biomass harvesting will be allowed throughout all stands. No invasives were observed during the 2006 survey in the area.

WATER QUALITY, BMPS: The Wisconsin River and McNaughton Creek will have uncut riparian buffers established along areas being harvesting.

AESTHETICS: Aesthetic impacts of harvesting on these pine stands undergoing an intermediate thin will be minimized by the nature of the harvest and the high residual stocking of the pine stands. The uncut riparian buffers along the creek and river will help to lessen aesthetic impacts to cutting.

WILDLIFE: Long-term goals for the area are to increase the presence and age of the pine type. Intermediate thins will aid in maintaining the pine stands into maturity, eventually providing habitat for wildlife associated with an older pine type. Portions of the maple/aspen mix are expected to regenerate back to aspen following harvest providing habitat for early successional species that use this type.

ENDANGERED, ARCHEOLOGICAL, HISTORICAL RESOURCES: The NHI lists a few aquatic insects associated with the river and the gray wolf. BMP's and uncut buffers along the river corridor should minimize any detrimental affects of harvesting to the aquatic insects. The area is listed as wolf territory but there are no known den sites within the proposed harvest area. There are no known archeological or historical resources in the sale area.

RECREATION: A designated snowmobile trail runs down the old railroad grade which is also access to the harvest site. Summer-only harvesting to minimize recreational conflicts will most likely not be an option due to the surrounding swamp and access issues. A no decking on the trail corridor restriction may be warranted. Other recreational uses for the area in the fall include hunting which will see minimal impacts from harvesting.

4-10-2011
C. Dalton

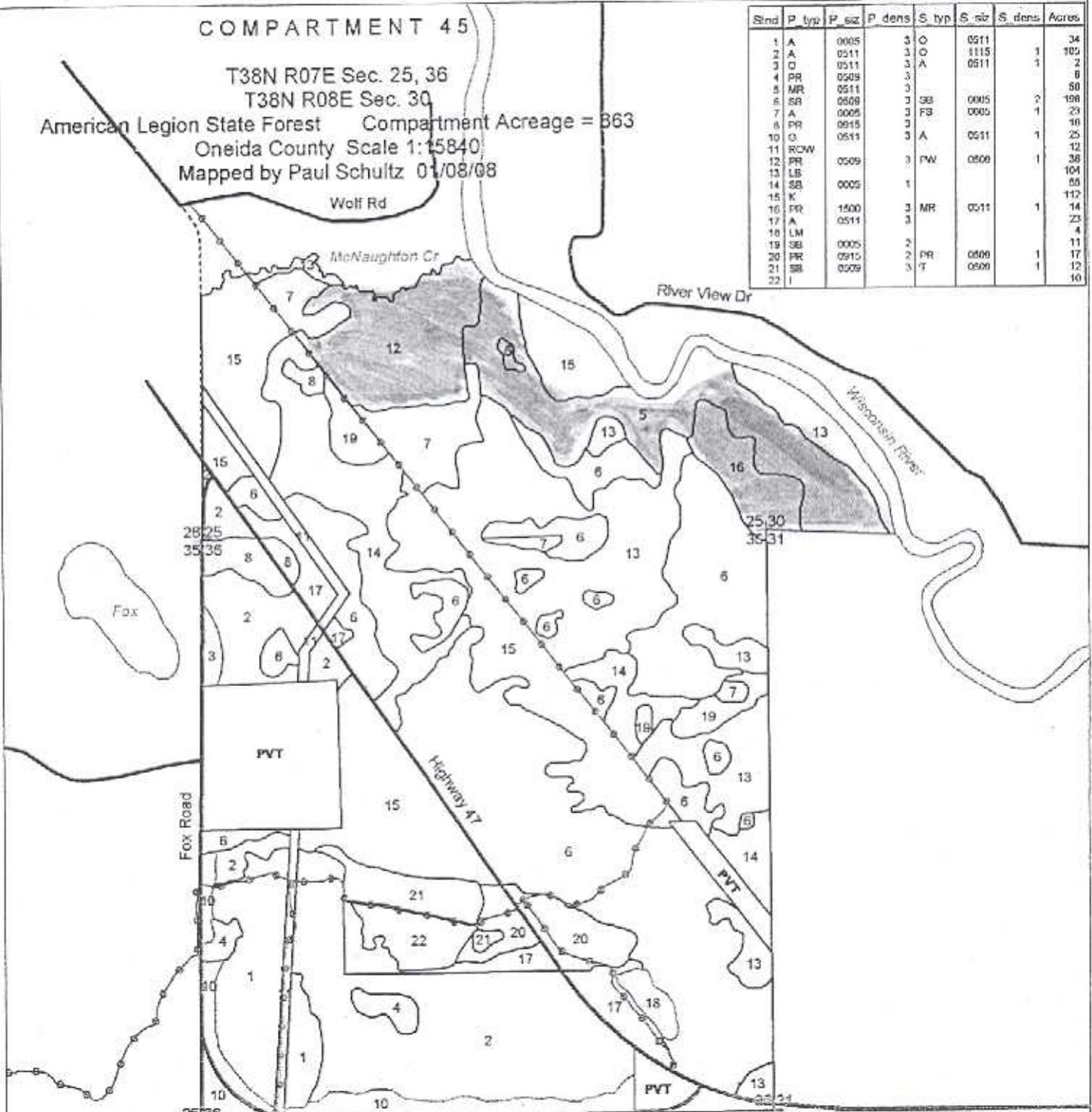
COMPARTMENT 45

T38N R07E Sec. 25, 36
T38N R08E Sec. 30

American Legion State Forest Compartment Acreage = 863

Oneida County Scale 1:15840
Mapped by Paul Schultz 01/08/08

Stand	P typ	P siz	P dens	S typ	S siz	S dens	Acres
1	A	0005	3	O	0511		34
2	A	0511	3	O	1115	1	105
3	O	0511	3	A	0511	1	2
4	PR	0509	3				8
5	MR	0511	3				50
6	SR	0509	3	SE	0005	2	198
7	A	0005	3	FB	0005	1	23
8	PR	0915	3				10
10	O	0511	3	A	0511	1	25
11	ROW						12
12	PR	0509	3	FW	0509	1	36
13	LB						104
14	SB	0005	1				55
15	K						112
16	PR	1500	3	MR	0511	1	14
17	A	0511	3				23
18	LM						4
19	SE	0005	2				11
20	PR	0915	2	PR	0509	1	17
21	SB	0509	3	T	0509	1	12
22	I						10



02'01 01'08



- Major Roads
- Trails
- Woods Roads
- Open Water
- Private Land
- Anesthetic Areas
- Compartment 45

Oneida Sandy Plains Forest Production

Possible Name of Sale: Big Buck Red Pine
Legal Description: T38N-R7E, Section 30
Timber types: Red Pine
Acres: 29
Compartment 37A

STAND DESCRIPTION: All stands receiving treatment are overstocked red pine plantations. Stand 9 is a small sawlog plantation which has been thinned in the past. Stand 19 is an overstocked red pine plantation which is roughly 25 years old and is in need of its first mechanical row thin. Habitat type is PARVAA.

GOALS: The entire proposed sale area is located within the Oneida Sandy Plains Forest Production Management Classification. Goals are to maintain for current levels of oak, increase presence of pine when possible, and maintain the aspen component as a dominant community.

ECOLOGICAL CONSIDERATIONS AND SILVICULTURAL PRESCRIPTION: The plantations will undergo intermediate marked thinnings. Biomass harvesting will not be allowed throughout the cut block due to nutrient poor soils. No invasives were observed during the 2006 survey in the area.

WATER QUALITY, BMPS: No waterways or wetlands will be impacted through this harvest.

AESTHETICS: Aesthetic impacts of harvesting on these pine stands undergoing an intermediate thin will be minimized by the nature of the harvest and the high residual stocking of the pine stands

WILDLIFE: Long-term goals for the area are to increase the presence and age of the pine type. Intermediate thins will aid in maintaining the pine stands into maturity, eventually providing habitat for wildlife associated with an older pine type.

ENDANGERED, ARCHEOLOGICAL, HISTORICAL RESOURCES: No NHI occurrences are recorded for the area. There are no known archeological or historical resources in the sale area.

RECREATION: No designated recreational trails are in within the sale area. Other recreational uses for the area in the fall include hunting which will see minimal impacts from harvesting.

4-10-2011
C. Dalton

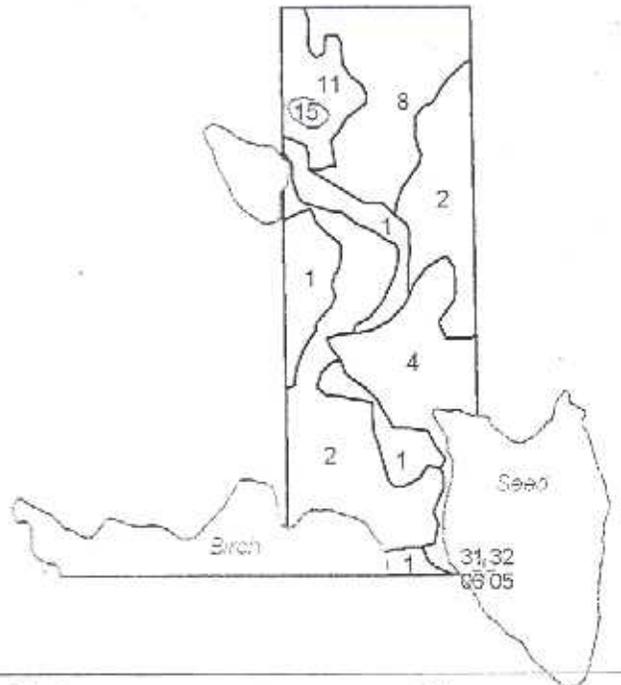
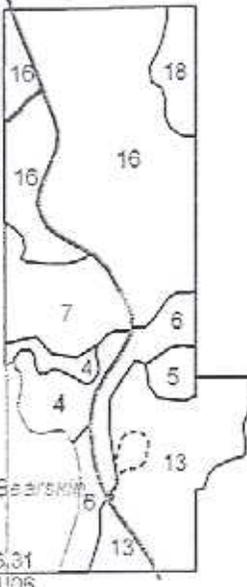
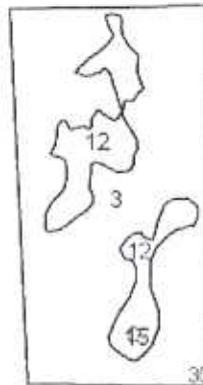
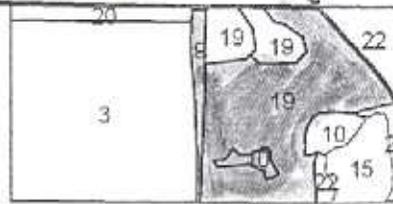
COMPARTMENT 37

T38N R07E Sec. 30, 31
 American Legion State Forest, Oneida County
 Scale 1:15840
 Mapped by Craig Dalton 01/20/11

Big Buck Road

Lakewood Road

Fawn Lake Road



Stnd	P_typ	P_siz	P_dens	S_typ	S_siz	S_dens	Acres
1	BW	0511	3	TO	0005	2	23
2	C	0509	5	SB	0500	2	84
3	A	0511	4				106
4	LB						6
5	H	1500	5				5
6	A	1115	2				11
7	C	0615	4	SB	0500	2	14
8	A	0511	4	FB	0005	2	22
9	SH	0015	5	PR	0500	2	2
10	G						4
11	SB	0005	1				8
12	K						14
13	NH	1115	2	O	1500	1	20
14	LM						6
15	A	0511	3	PR	1500	1	53
16	O	1800	2	O	0511	3	5
17	FR	0509	6				27
18	O	0511	1				5
19	A	0005	3	NH	0005	2	8



- Major Roads
- Trails
- Woods Roads
- Open Water
- Compartment 37

Oneida Sandy Plains Forest Production

Possible Name of Sale: Peninsula Road Red Pine
Legal Description: T39N-R9E, Section 12
Timber types: Red Pine
Acres: 77
Compartment 62A

STAND DESCRIPTION: The stand receiving treatment in an overstocked red pine plantation. Current basal areas range from 140-240 square feet. The majority of this plantation was last thinned in 2002 with the remaining areas thinned in 2003. Habitat type is PARVAA.

GOALS: The entire proposed sale area is located within the Oneida Sandy Plains Forest Production Management Classification. Goals are to maintain for current levels of oak, increase presence of pine when possible, and maintain the aspen component as a dominant community.

ECOLOGICAL CONSIDERATIONS AND SILVICULTURAL PRESCRIPTION: The plantation will undergo an intermediate marked thinning. Biomass harvesting will not be allowed due to nutrient poor soils. No invasives are recorded for the sale area.

WATER QUALITY, BMPS: No waterways or wetlands are within or adjacent to the plantation.

AESTHETICS: Aesthetic impacts along CTH H and the Town roads area significant concern. Aesthetic impacts of harvesting on these pine stands undergoing an intermediate thin will be minimized by the nature of the harvest and the high residual stocking of the pine stands.

WILDLIFE: Long-term goals for the area are to increase the presence and age of the pine type. Intermediate thins will aid in maintaining the pine stands into maturity, eventually providing habitat for wildlife associated with an older pine type.

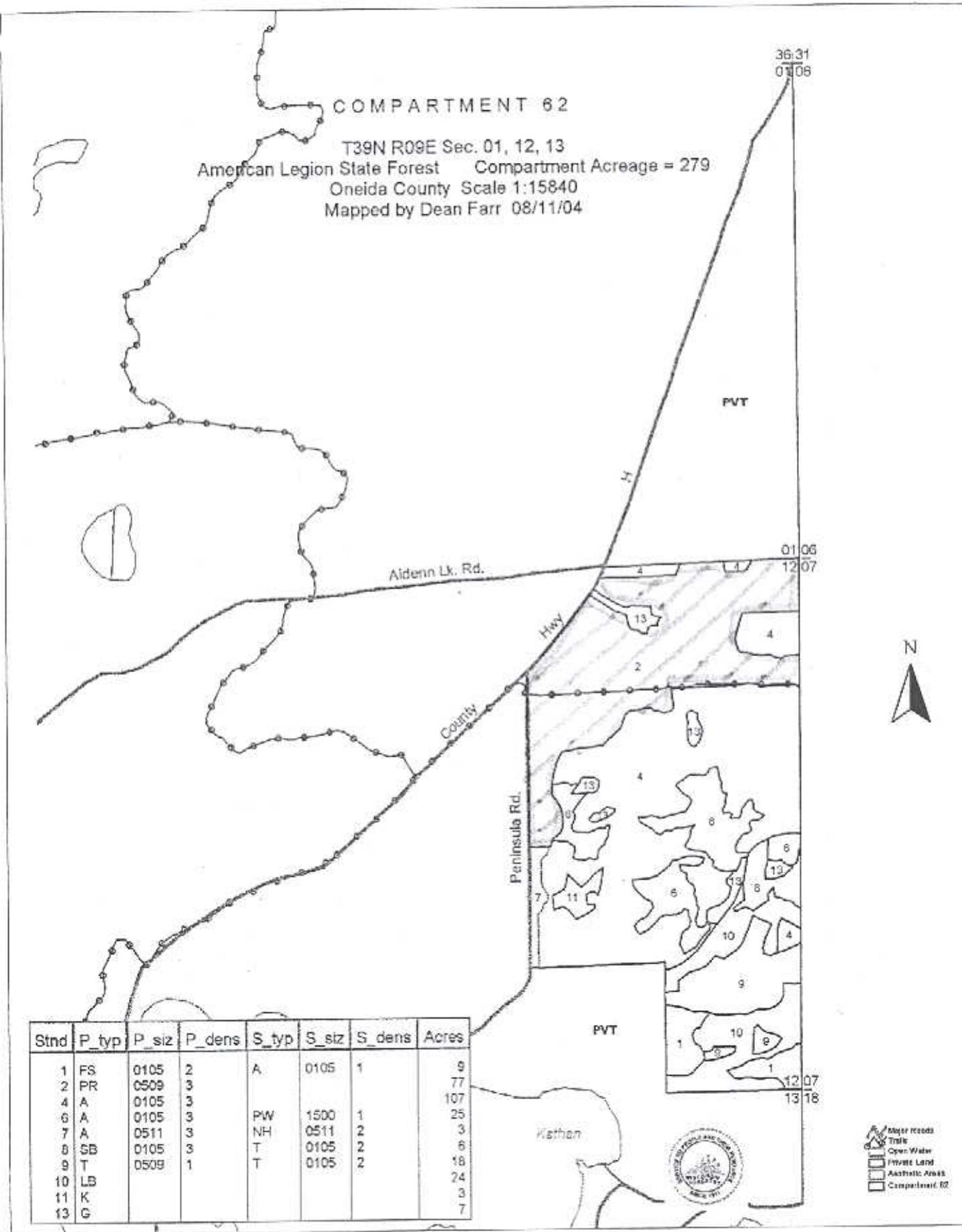
ENDANGERED, ARCHEOLOGICAL, HISTORICAL RESOURCES: No elemental occurrences are listed in the NHI for the sale area. Similarly, no archeological or historical resources are known to exist in this area.

RECREATION: There is a designated snowmobile trail in the plantation. The trail is the main access to the stand and will be used as the main decking location for this thin. Seasonal decking restrictions will be implemented where warranted. Other recreational uses for the area in the fall include hunting which will see minimal impacts from harvesting.

4-23-2011
C. Dalton

COMPARTMENT 62

T39N R09E Sec. 01, 12, 13
 American Legion State Forest Compartment Acreage = 279
 Oneida County Scale 1:15840
 Mapped by Dean Farr 08/11/04



Stnd	P_typ	P_siz	P_dens	S_typ	S_siz	S_dens	Acres
1	FS	0105	2	A	0105	1	9
2	PR	0509	3				77
4	A	0105	3				107
6	A	0105	3	PW	1500	1	25
7	A	0511	3	NH	0511	2	3
8	SB	0105	3	T	0105	2	6
9	T	0509	1	T	0105	2	18
10	LB						24
11	K						3
13	G						7

Oneida Sandy Plains Forest Production

Name of Sale, Alder Lake Road, Compartment 243
Legal Description, Vilas County T42N-R5E S 23, 24, 25, 26
Timber types are Aspen and White Birch
Acres = 132 scheduled

STAND DESCRIPTION

The majority of the sale area is dominated by a mix of aspen, white birch, and red maple. There also are some scattered red pine, white pine, and an occasional oak present. The aspen in this block is approaching maturity. A very small acreage of Scattered State Lands (C244) adjacent will be management with this sale also.

One cut-block situated along the town road is dominated more by white birch and pine. Advanced regeneration of white pine and white spruce is present in this area. Long-term goals for this block will be to manage for a mix of white pine, white birch, and spruce. The objective of the harvest in this block is to set the stage for future birch regeneration efforts and release the advanced regeneration present. Harvesting the aspen now while leaving a significant overstory should limit sprouting by this species. The next future treatment would consist of a birch/pine shelterwood with a possible soil scarification treatment. The main habitat type for the sale area is ArAbVC with some ParVAa present also. The soils and habitat type indicate a poorly drained, high water table area. Soils are typed as Au Gres sand and Croswell sand.

GOALS

This compartment is Forest Production Management Classification, Vilas Sandy Plains North. Forest Production management goals are to increase red and white pine as a forest community type, maintain aspen in mixed stands leaving healthy pine within and red oak trees as mixed forest maintaining current acreage with regeneration and some old tree components. In areas where pine is a strong secondary component, pines may be the dominate cover type after harvest of aspen. Aspen will be managed to convert these stands to a mixed stands of aspen regeneration, pines and a variety of hardwood species.

ECOLOGICAL CONSIDERATIONS AND SILVICULTURAL PRESCRIPTION

This proposed harvest would regenerate a part of the larger aspen stand. The objective of the harvest will be to regenerate and maintain aspen on three age class blocks. Long-term plans will be to regenerate most of the aspen areas back to aspen. The remaining uncut areas of the aspen stand will be regenerated in roughly 10-15 years following this harvest.

WATER QUALITY, BMPS

The main water quality concern for this block of the Forest is with Alder and Manitowish Lakes. An adequate no-cut buffer has been established between the lakeshore and the cut areas. Some portions of the cut blocks slide into the 300' Vilas County Zone although all blocks are over 200' from the lakeshore of Alder and Manitowish Lakes.

AESTHETICS

The proximity of the sale area to town roads and Manitowish Chain lakes makes aesthetics a concern. One major reason for not harvesting the entire aspen block at this time is for aesthetics. Cut blocks are situated to minimize short-term aesthetic impacts to the area while still accessing the site. Longer-lived species will be favored along the town road and a significant residual basal area maintained. The narrow no-cut buffer between the town road and the power-line ROW will help lessen aesthetic impacts especially with regards to slash. No cut buffers along the lakeshores should shield harvesting from the lake prospective even during "leaf-off" times of year. Long-term plans are to regenerate the rest of the aspen area 10-15 years following this harvest. At this time the initial cut blocks will have resprouted and be of significant height to lessen aesthetic impacts for this future regeneration harvest. The majority of longer-lived red and white pine will be left intact in the current cut blocks.

WILDLIFE

The regeneration of aspen and other early successional trees will be good for game species of wildlife and other animals and birds. Large red oak will remain in sale areas to contribute to wildlife mast production. Additional composition and structure will create a diversity of food and shelter for wildlife. Den and cavity trees will be retained in managed areas. Structure and age diversification in harvest areas will improve habitat. Although, the cut blocks were situated primarily with long-term aesthetics in mind wildlife benefits are expected. Disturbance/aspen dependent species of wildlife will benefit from the varied age management approach. Structural diversity will be maintained by reserve trees of longer-lived species and the uncut aesthetic and riparian buffers.

ENDANGERED RESOURCES

NH Portal listed no known species of concern with in a mile of the section. Archaeological survey records show no known sites in this compartment.

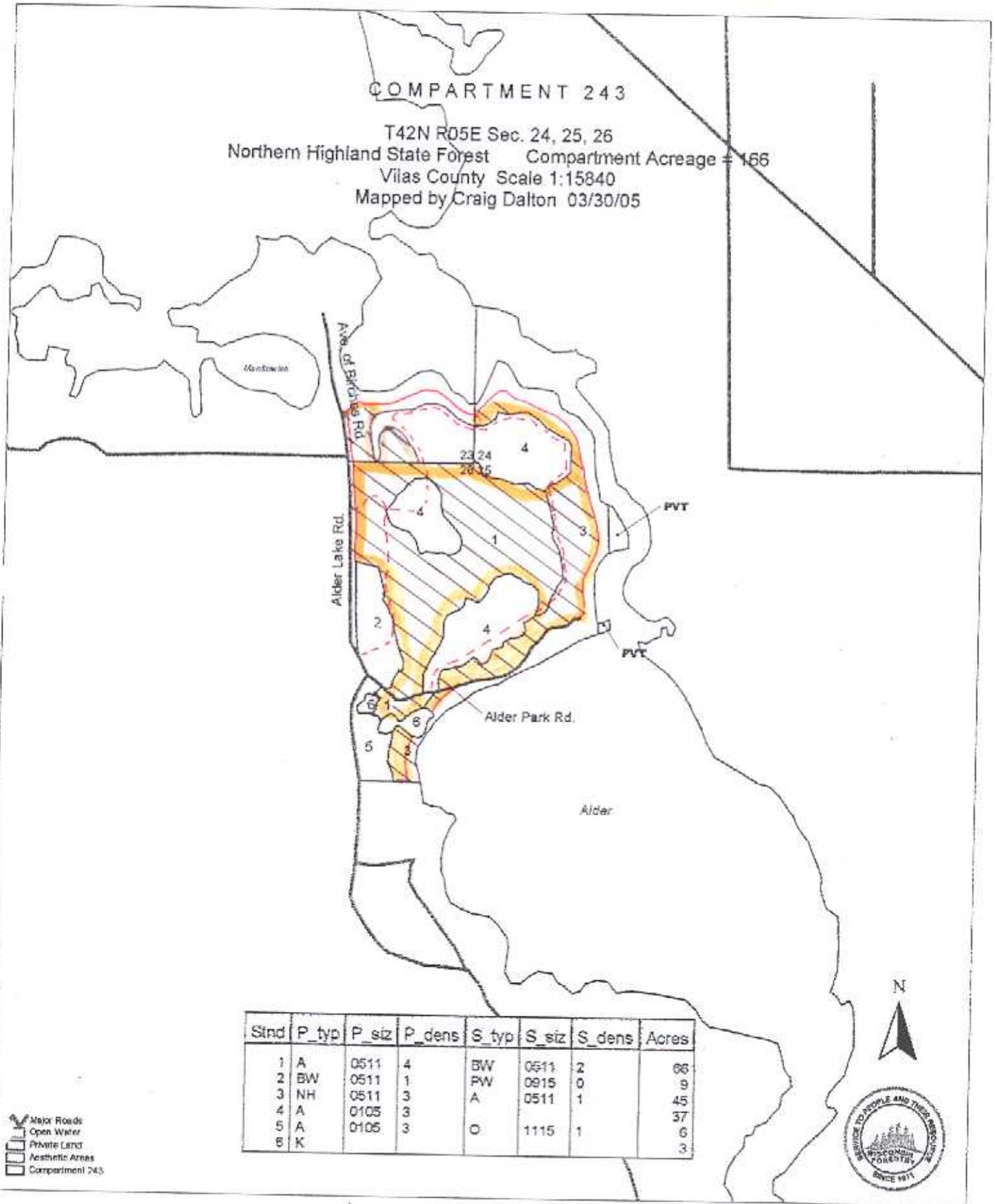
RECREATION

This area is currently used for hunting and water access recreation. No designated trails are present. Although, the homeowners in the area apparently use the old logging trails for hiking and skiing. A large portion of this old trail system will be used during harvest activity and will remain following harvest. The canoe campsites on Alder Lake will not be impacted by the harvest. There will be few if any visual changes as seen from the water.

04/22/2011 JFO

COMPARTMENT 243

T42N R05E Sec. 24, 25, 26
 Northern Highland State Forest Compartment Acreage = 166
 Vilas County Scale 1:15840
 Mapped by Craig Dalton 03/30/05



Stnd	P_typ	P_siz	P_dens	S_typ	S_siz	S_dens	Acres
1	A	0511	4	BW	0511	2	66
2	BW	0511	1	PW	0915	0	9
3	NH	0511	3	A	0511	1	45
4	A	0105	3				37
5	A	0105	3	O	1115	1	6
6	K						3

Name of Sale, East Ellerson Lake, Compartment 213

Legal Description, Vilas County T41N-R6E S 28, 33

Timber types are Red Oak and White Pine/Red Pine

Acres = 69 scheduled

STAND DESCRIPTION

This compartment is an area that saw intensive management on the 1970s. The target stands are now needing management to promote regeneration release and thinning of the white pine stand. State Forest road access is good to the stands scheduled. These roads have been bermed off and will need to be cleaned of fallen trees. Soils are Sayner-Rubicon Complex sands. Mid Ellerson and East Ellerson Lakes border the northern edge of the compartment and will factor into aesthetic modifications of the management prescriptions. Lac du Flambeau Tribal Lands border the west side.

GOALS

This compartment is Forest Production Management Classification, Vilas Sandy Plains North. Forest Production management goals are to increase red and white pine as a forest community type, maintain aspen in mixed stands leaving healthy pine within and red oak trees as mixed forest maintaining current acreage with regeneration and some old tree components. The pine stand will be thinned to lower stocking levels. The red oak stand will be managed to maintain the red oak, mixed pine and hardwood components leaving large oak, pine and releasing advance regeneration.

ECOLOGICAL CONSIDERATIONS AND SILVICULTURAL PRESCRIPTION

91 year old red oak stands were cut with a first cut shelterwood harvest in 1988. This stand is now ready to release abundant regeneration in the understory with an overstory removal harvest. Residual will include scattered large oaks, red and white pines and miscellaneous hardwood species. Because of habitat type, AQV, management will focus on moving this stand to pine and oak. Northern hardwoods would be discouraged. Good quality oak will be retained for seed source, mast and wildlife attributes. White pine stand, 79 years old will be second thinned by selective thinning to lower stocking levels. These stands can be grown to very old age of 160 or more.

WATER QUALITY, BMPS

There will be set backs established on the Ellerson Lakes. A 50' no-cut zone will be implemented along shores along with a 50-100' zone of selective only harvests thinning.

AESTHETICS

Lakeshore visual impact buffers will be implemented to mitigate logging slash and activity. Residual throughout the sale areas will ease visual impacts.

WILDLIFE

Large red oak will remain in sale areas to contribute to wildlife mast production. Additional composition and structure will create a diversity of food and shelter for wildlife. Den and cavity trees will be retained in managed areas. Structure and age diversification in harvest areas will improve habitat.

ENDANGERED RESOURCES

NHI Portal listed one mammal, one bird and one plant as species of concern within the project area of the section. We will look for these during establishment. Archaeological survey records show no hits in this compartment.

RECREATION

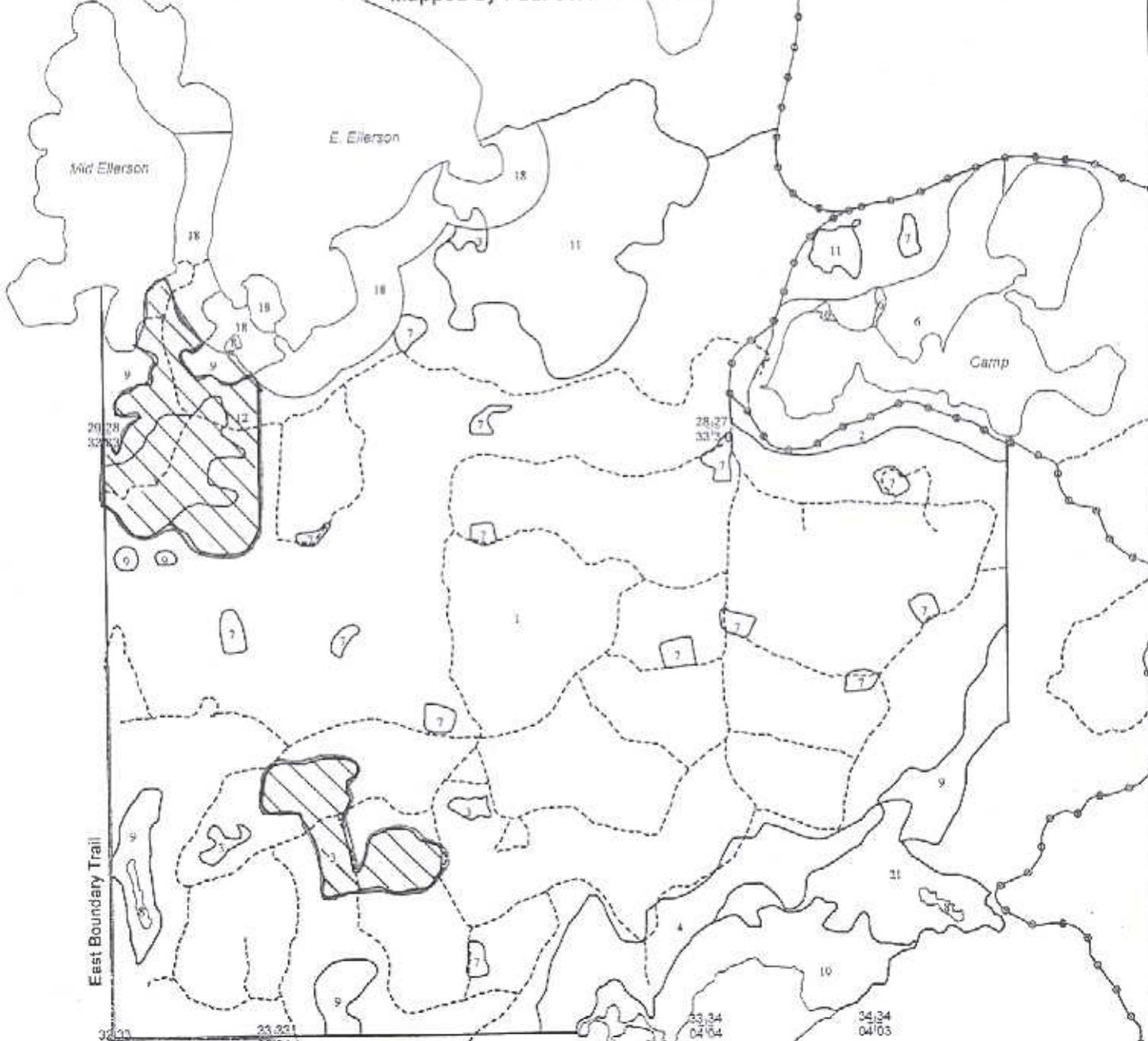
This area is currently used for hunting and walk in recreation. Hunting opportunities will increase after management and water recreation will not be impacted by this sale. There will be few if any visual changes as seen from the water.

04/22/2011 JFO

COMPARTMENT 213

T41N R06E Sec. 27, 28, 29, 32, 33, 34
T40N R06E Sec. 04

Northern Highland State Forest Compartment Acreage = 1220
Vilas County Scale 1:15840
Mapped by Paul Stearns 02/04/11



Stnd	P_typ	P_slz	P_dens	S_typ	S_slz	S_dens	Acres
1	A	0511	3	BW	0511	1	827
2	O	1115	3	A	1115	1	9
3	PW	0509	4	PR	0509	2	23
4	A	0511	3	BW	0511	1	35
5	O	1115	2	O	0511	1	19
6	A	0511	4	BW	0511	1	38
7	G						17
8	LM						2
9	SB	0509	3	T	0509	2	38
10	K						29
11	K						72
12	O	1115	2	O	0511	1	27
18	A	0511	3	FB	0509	2	58
21	SB	0509	3	T	0509	2	26

- Major Roads
- Trails
- Woods Roads
- Open Water
- Aesthetic Areas
- Compartment 213



Name of Sale, Island Lake Road, Compartment 219
Legal Description, Vilas County T42N-R6E S 20
Timber types are Red Oak, Aspen and White Pine
Acres = 133 scheduled

STAND DESCRIPTION

This compartment is a mosaic of aspen stands, red oak stands and red and white pine stands. Town of Boulder Junction road and Forest road access is good to the stands scheduled. The area is surrounded by private landowners and includes a public boat landing and a new acquisition of 1.4 acres. Soils are mostly Pence Sandy Loam with some fringes of Sayner-Rubicon sands where more of the pine coverage is located. Island Lake and the Manitowish River border the eastern edges of the compartment and will factor into aesthetic modifications of the management prescriptions.

GOALS

This compartment is Forest Production Management Classification, Vilas Sandy Plains North. Forest Production management goals are to increase red and white pine as a forest community type, maintain aspen in mixed stands leaving healthy pine within and red oak trees as mixed forest maintaining current acreage with regeneration and some old tree components. In areas where pine is a strong secondary component, pines may be the dominate cover type after harvest of aspen. The red oak stand will be managed to maintain the red oak, mixed pine and hardwood components leaving large oak, pine and releasing advance regeneration. Aspen will be managed to convert these stands to a mixed stands of aspen regeneration, pines and a variety of hardwood species.

ECOLOGICAL CONSIDERATIONS AND SILVICULTURAL PRESCRIPTION

Aspen stands are 96 years old and will be clear cut to regenerate aspen, white birch and red oak. Pines and healthy red oaks will be left standing to seed in and provide wildlife benefits. Long lived species of red oak, red and white pines and a few northern hardwoods will be residual in these stands. Aesthetic considerations will take priority along public use areas. 99 year old red oak stands were cut with a first cut shelterwood harvest in 1999. This stand is now ready to release abundant regeneration in the understory with an overstory removal harvest. Residual will include scattered large oaks, red and white pines and miscellaneous hardwood species. White pine stand, 96 years old will be evaluated for growth from previous harvest to ascertain the level of selective thinning intensity to lower stocking levels. These stands can be grown to very old age of 160 or more.

WATER QUALITY, BMPS

There will be set backs established on Island Lake and Manitowish River. A 50' no-cut zone will be implemented along shores along with a 50-100' zone of selective only harvests thinning. All harvest areas next to open water and Town Roads will have modifications built into the sale design.

AESTHETICS

Lakeshore and River visual impact buffers will be implemented to mitigate logging slash and activity. Establishment foresters will mark out effective visual buffers along Town Roads.

WILDLIFE

The regeneration of aspen and other early successional trees will be good for game species of wildlife and other animals and birds. Large red oak will remain in sale areas to contribute to wildlife mast production. Additional composition and structure will create a diversity of food and shelter for wildlife. Den and cavity trees will be retained in managed areas. Structure and age diversification in harvest areas will improve habitat.

ENDANGERED RESOURCES

NHI Portal listed a Bald Eagle nest as species of concern with in a mile of the section. We will look for this species as well as plant species as the sale progresses and consult Wildlife mappings. If any found, we will consult with ER for management adaptations needed. Archaeological survey records show a known site in this compartment which will be excluded from the management area.

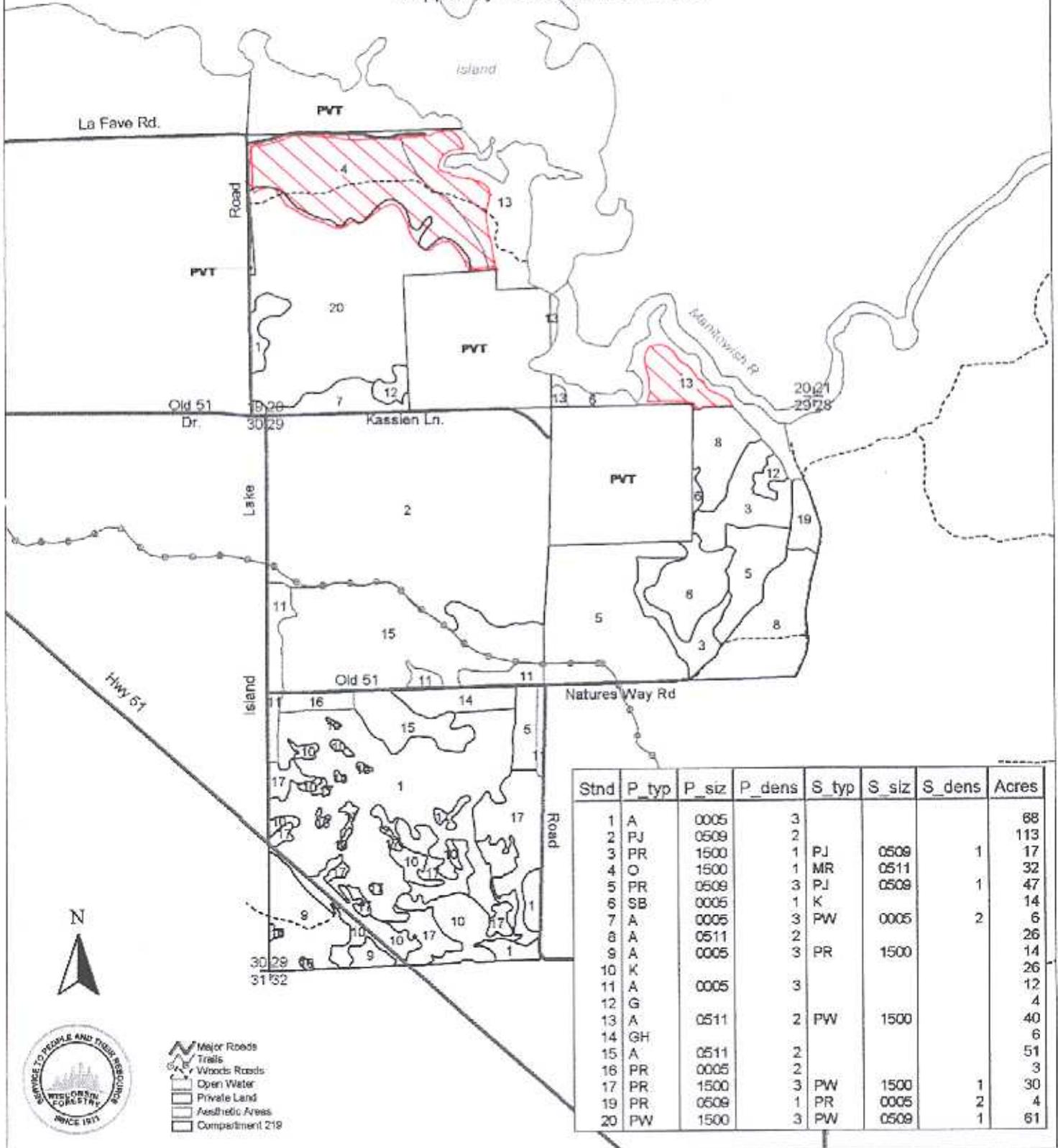
RECREATION

This area is currently used for hunting and water access recreation. Hunting opportunities will increase after management and water recreation will not be impacted by this sale. There will be few if any visual changes as seen from the water.

02/17/2011 JFO

COMPARTMENT 219

T42N R06E Sec. 19, 20, 28, 29
 Northern Highland State Forest Compartment Acreage = 574
 Vilas County Scale 1:15840
 Mapped by Paul Schultz 04/06/09



Stnd	P_typ	P_siz	P_dens	S_typ	S_siz	S_dens	Acres
1	A	0005	3				88
2	PJ	0509	2				113
3	PR	1500	1	PJ	0509	1	17
4	O	1500	1	MR	0511		32
5	PR	0509	3	PJ	0509	1	47
6	SB	0005	1	K			14
7	A	0005	3	PW	0005	2	6
8	A	0511	2				26
9	A	0005	3	PR	1500		14
10	K						26
11	A	0005	3				12
12	G						4
13	A	0511	2	PW	1500		40
14	GH						6
15	A	0511	2				51
16	PR	0005	2				3
17	PR	1500	3	PW	1500	1	30
19	PR	0509	1	PR	0005	2	4
20	PW	1500	3	PW	0509	1	61



- Major Roads
- Trails
- Woods Roads
- Open Water
- Private Land
- Aesthetic Areas
- Compartment 219

Name of Sale, East Star Lake, Compartment 37H

Legal Description, Vilas County T41N-R8E S 14, 21, 23

Timber types are Red Oak, Northern Hardwood and Aspen

Acres = 263 scheduled

STAND DESCRIPTION

Stands are located on the west side of CHY N, south of CHY K and along Star Lake. The west parcel is on the west side of Star Lake adjacent to the old Rearing Ponds. State Forest road access is good to the stands scheduled. Soils are a complex mix of sands and loams. East side of the Lake is Karlin loamy fine sand, Sayner-Rubicon complex sands, Pence sandy loams, Sayner-Rubicon and Rubicon sand. West of Star Lake Sayner-Rubicon complex, Pence sandy loam and Keweenaw-Sayner complex dominate. Star Lake and Plum Lake border the edge of the management units and will factor into aesthetic modifications of the management prescriptions. The Plum Lake Hemlock SNA is between the areas and will be a factor in their management also.

GOALS

This compartment is Lake Laura Loamy Hills Native Community Management Classification. NCA management goals are divided into two management zones for these sale areas. Managed Old-growth Restoration Zone goal is to increase old-growth forest attributes and to enhance the composition of northern hardwoods. For Stand 3 this translates into additional CWD, Snag densities and species diversity in management activities. The red oak stand will be managed to maintain the red oak, hemlock, mixed pine and hardwood components leaving large oak, hemlock, white pine and releasing advance regeneration. The other zone is Old Forest Extended rotation management. This zone uses active management to establish a mixed forest with abundant old-forest characteristics; particularly large, vigorous trees and increased dominance of white pine and other long-lived species throughout the zone while maintaining aspen and birch as a forest component.

ECOLOGICAL CONSIDERATIONS AND SILVICULTURAL PRESCRIPTION

87 year old red oak stand was cut with a first cut intermediate harvest in 1989-1990. This stand is now ready for selective harvest to meet zone objectives. Stand residual will consist of scattered large oaks, red and white pines and miscellaneous hardwood species. The 86 year old aspen and white birch is in extended rotation age class and will be regeneration harvested while leaving as many old conifers and yellow birch where they exist. All hemlock will be retained. Also any opportunities for snag and den tree retention will be taken.

WATER QUALITY, BMPS

There will be harvest set backs established on the Star Lake. A 50' no-cut zone will be implemented along shores along with a 50-100' zone of selective only harvests thinning. Large trees will be retained throughout the lakeshore zone.

AESTHETICS

Lakeshore visual impact buffers will be implemented to mitigate logging slash and activity. Residual throughout the sale areas will ease visual impacts. Roadside modifications will leave many green marked trees.

WILDLIFE

Large red oak will remain in sale areas to contribute to wildlife mast production. Additional composition and structure will create a diversity of food and shelter for wildlife. Many den and cavity trees will be retained in all actively managed areas. Structure and age diversification in harvest areas will also improve habitat.

ENDANGERED RESOURCES

NHI Portal listed one mammal, one bird and one plant as species of concern within the project area of the section. We will look for these during establishment. Archaeological survey records show no hits in this compartment.

RECREATION

This area is currently used for boating, camping, hunting and walk in recreation. Hunting opportunities will increase after habitat management and water recreation will not be impacted by this sale. There will be few if any visual changes as seen from the water. No impact to the SNA.

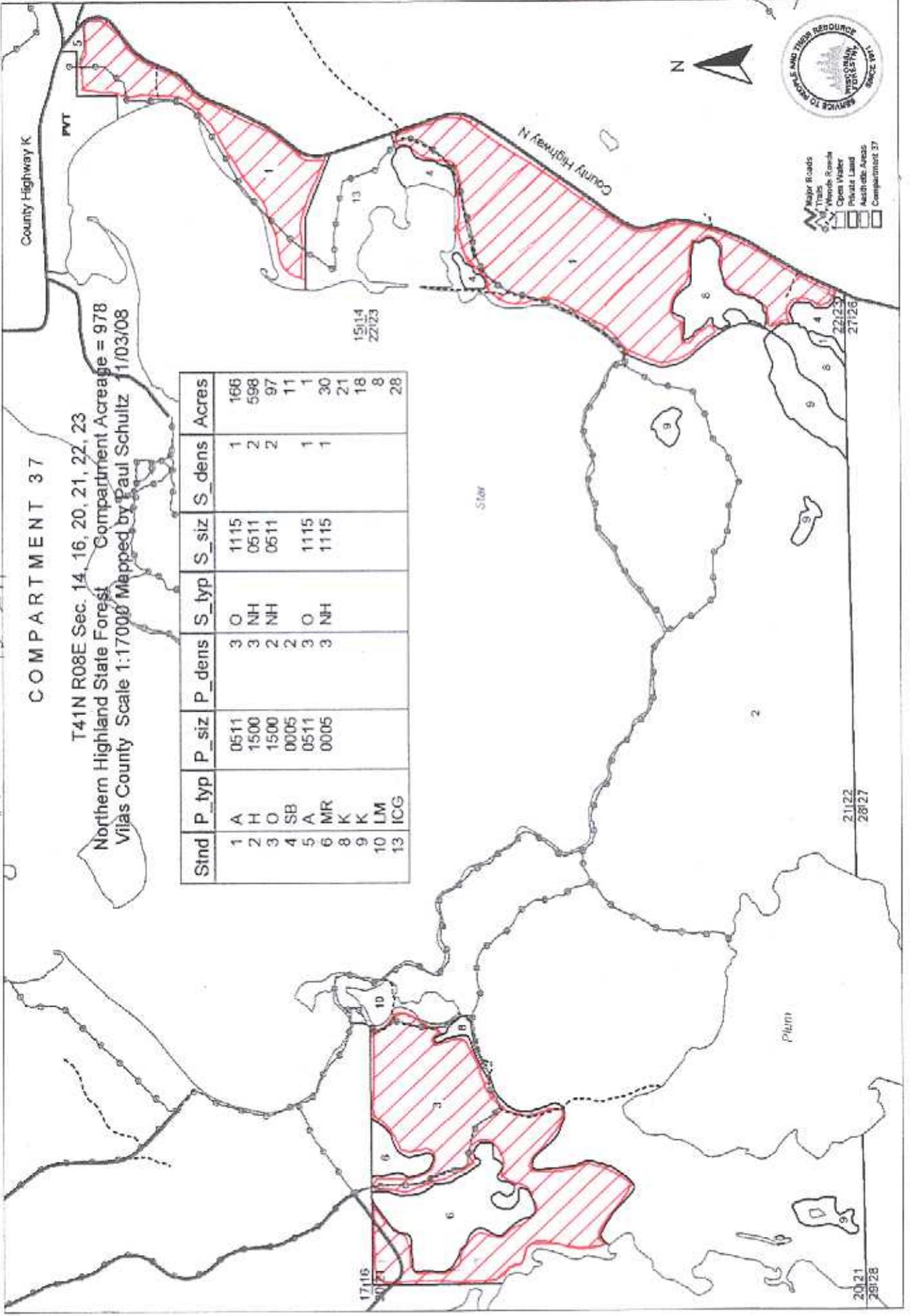
04/22/2011 JFO

2007 → Flight
 (2006) → 13-27, 28
 1-28, 29, 30

COMPARTMENT 37

T41N R08E Sec. 14, 16, 20, 21, 22, 23
 Northern Highland State Forest, Compartment Acreage = 978
 Vilas County Scale 1:17000 Mapped by Paul Schultz 1/03/08

Stnd	P_typ	P_siz	P_dens	S_typ	S_siz	S_dens	Acres
1	A	0511	3	O	1115	1	166
2	H	1500	3	NH	0511	2	598
3	O	1500	2	NH	0511	2	97
4	SB	0005	2				11
5	A	0511	3	O	1115	1	1
6	MR	0005	3	NH	1115	1	30
8	K						21
9	K						18
10	LM						8
13	ICG						28



- Major Roads
- Trails
- Waters
- Open Water
- Private Land
- Authorized Areas
- Compartment 37