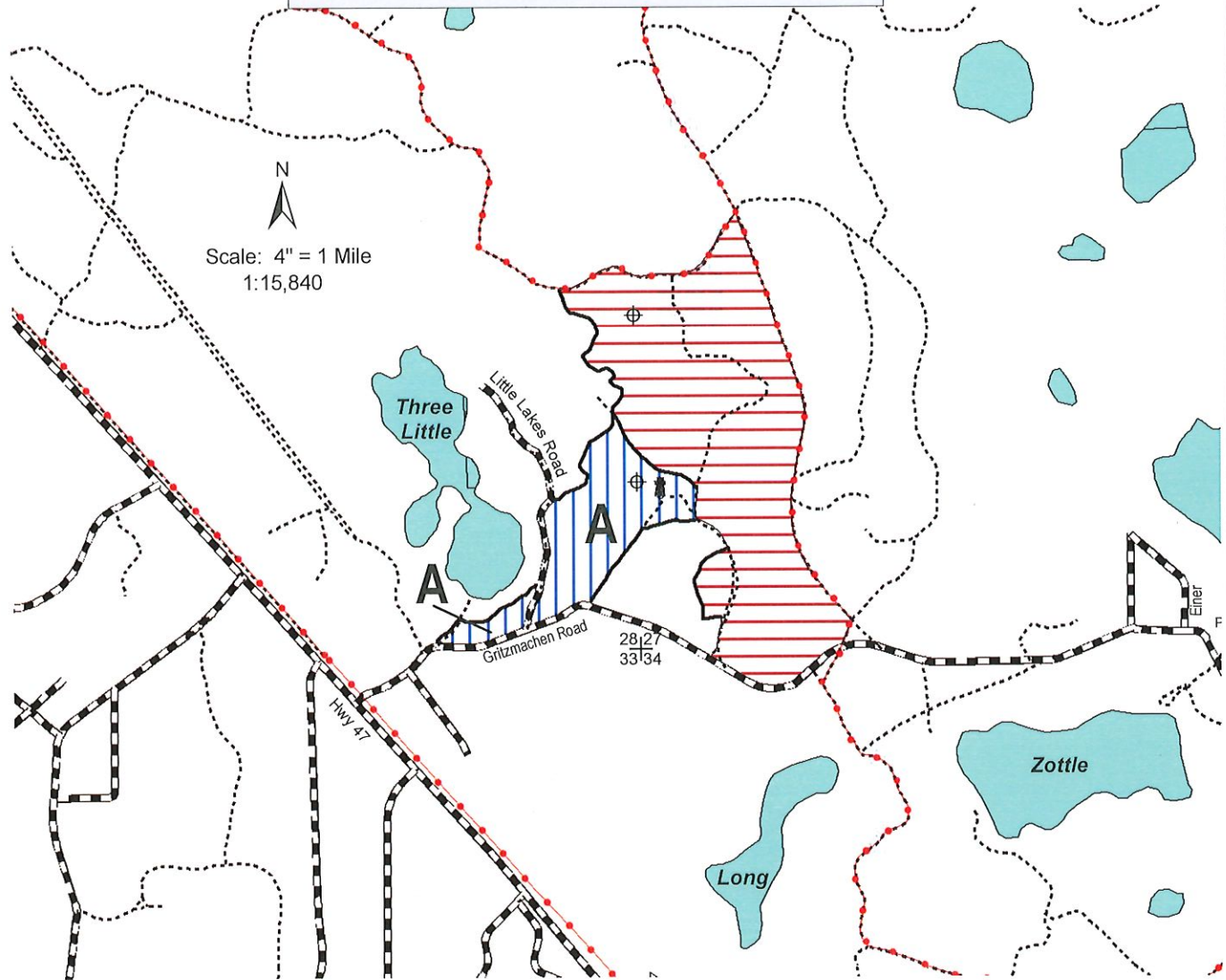


**WISCONSIN
 DEPARTMENT OF NATURAL RESOURCES
 TIMBER SALE
 TRACT 8-22 TOWER ASPEN BREAKUP
 T39N R7E SECTIONS 27, 28 & 34
 HARVEST ACRES - 117**



Legend

- ⊕ Survey Corner
- + Section Corner
- ⚡ Abandoned Fire Tower
- Red Line
- Snowmobile Trails
- Woods Roads
- ▬ Highways & Town Roads
- Lakes

Note: All harvesting activity, including road building, is allowed July 15 - April 15. Do NOT cut any red, blue or green marked trees within the entire sale area. Ignore old faded paint on trees.
In ZONE A: All harvesting activity is allowed during daylight operations only.

- Aspen Regeneration Area (90 Acres): Cut all aspen, white birch, maple, oak and all orange marked trees. Do not cut green marked trees. Cut all 1-5 inch aspen and maple.
- Mixed Regeneration Area (27 Acres): Cut all aspen, white birch, maple and all orange marked trees. Cut 1-5 inch aspen and maple.

All stands are within Mgmt. Area 5:
 Big Arbor Vitae Loamy Hills - Forest Production Area



Map produced by
 Jim Wetterau, 6/22

NH-ALSF TRACT 8-22

Tower Aspen Breakup

Oneida County

Town 39 North, Range 7 East

Section 27 – SWNW; SW1/4

Section 28 – SENE; SWSE; E1/2SE

Section 34 – N1/2NW

No bid bond required.

15% of the total sale bid value will be required as performance bond.

The cutting area is approximately 117 acres.

The contract period is 3 years.

All trees that will yield one or more 100-inch sticks to the minimum top diameter chosen by the bidder will be cut and utilized.

ESTIMATED VOLUME (TONS)

MINIMUM TOP DIAMETER

<u>SPECIES</u>	<u>4"</u>
White Pine ¹	630
Red Pine ²	290
Aspen	2800
Red Oak ³	2070
Mx. Hardwood ⁴	1340

Total Minimum Bid Value \$ 82,747.00

¹Volume includes less than 1% scotch pine and Norway spruce. Volume also includes 89 MBF of potential logs.

²Volume includes 36 MBF of potential logs.

³Volume includes 67 MBF of potential logs.

⁴Volume includes 73% red maple, 21% white birch and 6% sugar maple. Volume also includes 4 MBF of potential red maple logs.
(Wt. Ave. 2.318 tons/cord)

The total sale volume equates to approximately 61.46 tons/acre or 26.18 cords/acre.

Special Conditions:

1. **SEASONAL RESTRICTIONS:** All harvesting, including road building, is allowed July 15 – April 15. In Zone A, all harvesting activity is allowed during daylight operations only.
2. Biomass harvesting is not allowed. Cutting must be concurrent for all species harvested.
3. Leave all dead trees and obvious den trees standing unless they create a hazard to harvesting operations. If cut, leave snags where they fall. Do not cut any red, blue or green marked trees. Ignore old faded paint on trees.
4. No tops or slash allowed across any red line, town road right-of-way or within any wetland. Slash within 50 feet of the town roads and snowmobile trail must be lopped and scattered within 2 feet of the ground and pulled back into the sale area at least 10 feet from the edges of those areas.
5. All woods roads and snowmobile trails must be repaired to pre-harvest condition upon sale completion or before removal of equipment from the sale area. All landings and any new woods roads must be approved prior to sale start-up. All pine products cut between May 1 and September 1 must be removed from the sale area within three weeks from time of cutting. Pine products cut during the remainder of the year must be removed prior to May 1 of each year.
6. If the contract is to be worked on during multiple time periods a mid-contract “pull-off” inspection meeting will be required. One-week notice shall be given by the contractor prior to moving equipment off-site. During the “pull-off” inspection, provisions needing attention will be documented. The contractor at that time can decide to remedy them before pulling equipment off or rectify them when moving back onto the site. If the latter is chosen, documented items shall be addressed before harvesting can continue.

Timber Sale Notice and Cutting Report

Tower Aspen Breakup

Tract Number: 8-22

Sale Number: 0

Data Entry	Est.	Sold	Partial	Completed

WisFIRS Property Name: AMERICAN LEGION STATE FOREST

WisFIRS Property Code: 4475

Sold To Name:
Address:
Phone:

Type of Sale:	REGULAR
Sale Method:	ADVERT
Payment Type:	SCALED
County Special Use:	NO
Forest Certification	
Dual	

1.	Compartment No.	24
2.	Stand No	2
3.	Primary Type	A
	Size/Density	0511/3
4.	Secondary Type	PW
	Size/Density	1500/1
5.	Acres Proposed by Stand	117
6.	Acres Cut by Stand	
7.	Scheduled Cut Year	2022
8.	Stand Origin	1963
10.	Management Objective	A
10a	Harvest Type	RE
11.	Presale Stocking	110
12.	Residual Stocking	35

13.	Total Proposed Cut Acreage	# of Even aged patches	1	Even Aged Harvest Acres	117	Uneven Aged Harv. & Thin Acres	0	Total Acres	117		
14.	Total Actual Cut Acreage	# of Even aged patches		Even Aged Harvest Acres	0	Uneven Aged Harv. & Thin Acres	0	Total Acres	0	Sale Status	D

Prepared By
 Forester JAMES WETTERAU

Contract Ending Date _____ Bond Expiration Date _____



Timber Sale Notice and Cutting Report

Tower Aspen Breakup

Tract Number: 8-22

Sale Number: 0

WisFIRS Property Name: AMERICAN LEGION STATE FOREST

WisFIRS Property Code: 4475

16.	Species Code	PW	PR	A	OR	MX	
17.	Product Code	18T	18T	20T	18T	20T	
18a	Cut/Skid	0.33	0.33	0.33	0.33	0.33	
18b	Haul/Roads	0.33	0.33	0.33	0.33	0.33	
18c	Market/Quality	0.34	0.34	0.34	0.34	0.34	
19.	Total Appraisals	1.00	1.00	1.00	1.00	1.00	
25.	Base Stumpage Rate	\$14.00	\$22.00	\$16.00	\$21.00	\$11.00	
26.	Appraised Value/Unit	\$14.00	\$22.00	\$16.00	\$21.00	\$11.00	
27.	MBF						
28.	Cords						
29.	Tons	630	290	2800	2070	1340	7130
30.	Fine Woody Matl in 28/29						
31.	MBF Included in 27-29	89	36		67	4	196
32.	Total Appraised Value	\$8,820.00	\$6,380.00	\$44,800.00	\$43,470.00	\$14,740.00	\$118,210.00
33.	Advertised Value/Unit Reduced (30%)	\$9.80	\$15.40	\$11.20	\$14.70	\$7.70	
34.	Total Advertised Value	\$6,174.00	\$4,466.00	\$31,360.00	\$30,429.00	\$10,318.00	\$82,747.00
35.	Sold Product Code	18T	20T	20T	18T	20T	
36.	Total Sold Volume						
37a	Fine Woody Matl in 36						
37b	MBF in 36						
38.	Sold Value/Unit	A					
39.	Total Sold Value						
40.	Partial Reported Volume						
41.	Partial Reported Value						
42.	Final Report Volume	A					
43.	Final Report Value	A					

Vol Over/Under % Comments

User	Comments	Last Updated Date
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Qualifying Comments:

PW 18T - Volume includes less than 1% scotch pine and Norway spruce. Volume also includes 89 MBF of potential logs.

PR 18T - Volume includes approximately 36 MBF of potential logs.

OR 18T - Volume includes approximately 67 MBF of potential logs.

MX 20T - Volume includes 73% red maple, 21% white birch and 6% sugar maple. Volume also includes 4 MBF of potential red maple logs. Weighted average conversion is 2.318 tons/cord.

Total sale volume equates to 61.46 tons/acre or 26.18 cords/acre.

Region	Property Code	County
NE	4475	Oneida

Tract Number	8-22
Sale Number	

15. NARRATIVE**a. General Sale Description**

Management Objective & Prescription: The proposed timber sale is located within the Big Arbor Vitae Loamy Hills Forest Production Area (#5). The long term objectives for Area #5 are to maintain a mixed forest dominated by older red and white pine and northern hardwoods with aspen, oak, white birch and jack pine as important secondary species. A short term objective is to maintain aspen as a strong component across the landscape.

-- C24A Stand 2: This 117 acre stand is comprised of 59 year old well stocked aspen poletimber with associated maple, white birch, red oak, red pine and white pine as secondary species. The aspen is starting to show signs of decline. This stand will be managed to maintain the aspen type as a dominant community on the landscape. A coppice with standards is prescribed to naturally regenerate the aspen through root sprouting and stump sprouting with some of the secondary species. The overall average residual basal area will be approximately 35 sq.ft. per acre of primarily large red oak, red pine and white pine sawtimber.

Physical Location: This sale is located in Oneida County in Sections 27, 28 & 34 of T39N R7E in the Town of Woodruff. The sale is approximately 1.5 miles north of Lake Tomahawk. The sale is NE of Hwy 47, off of Gritzmachen Road, and east of Three Little Lakes.

Soil Type(s): Sayner loamy sand & Padus-Pence sandy loam

Habitat Classification: PArV-AVVb

Topography: Level Gentle Rolling Moderate Slopes Steep Slopes

Merchantability Standards: 4" Top 2" Top Whole Tree Other

Biomass Suitability: Yes No Restricted soils.

Roads, Access, & Landings: Access is located north of Gritzmachen Road. There is a town road (Little Lakes Road) and a network of woods roads and a snowmobile trail within the proposed timber sale area.

Adjacent Landowner Contact: Yes No N/A

15a. Comments Courtesy letters were sent to nearby neighbors at the end of Little Lakes Road.

b. Ecological Considerations

Management History: The last forest management within this compartment took place in 2013 when an aspen regeneration harvest was completed. (TS #1032A).

Silvicultural System(s): Coppice with Standards.

Green Tree Retention: The aspen stand will be maintained with an average residual basal area of 35 sq.ft. per acre of large sawtimber red oak, red pine and white pine.

Post-Harvest Regeneration Plan: Natural regeneration of the aspen stand is anticipated. Some advanced regeneration of white pine will be released following the harvest.

Invasive Species Evaluation: A review of the 2006 NHAL-SF Invasives database resulted in hits for common tansy and reed canary grass in the right-of-way of Gritzmachen road. The common tansy area will be flagged and avoided, if harvested outside the dormant season, since it lies near the timber sale boundary.

Insect/Disease Concern(s): Oak wilt - To help prevent the spread of oak wilt, operational restrictions were implemented. Bark beetle - All pine products cut between April 1 and September 1 must be removed from the sale area within three weeks from the time of cutting. Pine products cut during the remainder of the year must be removed prior to April 1 of each year.

Skidding / Seasonal Restrictions: Yes No (If yes insert comments) All harvesting activity, including road building, is allowed July 15 - April 15. In Zone A: All harvesting activity is allowed during daylight operations only.

Landscape Considerations: The proposed harvest area lies within the the Northern Highland Ecological Landscape, which is characterized by expansive forests and peatlands with pitted outwash plains and kettle lakes. Management opportunities include increasing longer-lived species such as red and white pine, as well as maintaining the aspen and other shorter lived species.

Results of NHI (Natural Heritage Inventory) Review: The NHI portal was reviewed on 5/25/22 by DNR Forester Jim Wetterau and contained 5 Elemental Occurrences (EOs) within 2 miles of the proposed timber sale area. These EOs and their suitable habitat lie outside the immediate sale boundary. Each element was addressed in the NHI review. More detailed information and descriptions for these elements are documented in the sale folder.

Forest Chemical Use? Yes No - If yes, list chemical:

15b. Comments

c. Water Quality Considerations

Lake, Stream or wetland within sale or impacted by sale? Yes No (If yes insert comments) Three Little Lakes.

BMP's: Yes No (If yes, describe)

Chpt.30 Permits Needed? Yes No

15c. Comments A red line was placed greater than 100 feet from the OHWM of Three Little Lakes for the protection of this RMZ. This RMZ will mitigate any erosion and sediment movement during harvesting operations. Other Best Management Practices that the contractor must adhere to include but are not limited to the following: Minimizing soil exposure and compaction to protect ground vegetation and duff layer, and minimizing equipment operation on steep slopes. Waste oil and lubricants are to be handled safely so as not to contaminate the harvest site. DNR personnel will administer and monitor compliance to BMPs by the contractor.

d. Aesthetic Considerations

Aesthetic Considerations Yes No - (If yes, explain)

Leave Trees: Yes No A vegetative screen, greater than 100 feet, was established around Three Little Lakes for aesthetics. A red paint line delineates where this screen was established to help ameliorate the visual impact of the timber sale as viewed from the lake. Residual large diameter red oak, red pine and white pine will also help mitigate the visual impact throughout the proposed sale area.

Operational Modifications (seasonality, sale size, big tree mgmt., species diversity): Seasonal and time restrictions, in Zone A, near Three Little Lakes.

Slash Treatment: Slash along the town roads and the snowmobile trail will be pulled 10 feet from the tree line and lopped and scattered to lie within 2 feet of the ground for 50 feet from the edge of the road and trail right of way. Slash will not be permitted across any red lines or any road right-of-way.

15d. Comments This stand is part of a larger block of mature aspen that will be managed in the future. By creating age class diversity within these stands long term aesthetic management will be maintained.

e. Wildlife Considerations

Snag, Den, and Mast Tree Retention: Yes N/A

Game Openings: Yes N/A

15e. Comments The majority of snag and den trees will be retained during harvesting operations. Soft snags, such as aspen and white birch, were also marked for retention to provide additional habitat for various birds, mammals and amphibians. Young aspen stands, of various age classes, will provide habitat for a variety of game and non-game species.

f. Recreation Considerations (Trails, Campgrounds, Parks, etc)

Recreation Impacted? Yes No Water recreation, hunting and snowmobiling are the primary recreational interests.

Recreation Stakeholder Contacted? Yes No The Oneida County Trails Coordinator will be contacted if harvest activity takes place during the winter months along the snowmobile trail.

Signage Needed: Yes No Signage, along the snowmobile trail, will be in place during winter operations.

15f. Comments In an effort to reduce conflict between the public using Three Little Lakes and timber harvesting operations a restrictive time, of daylight only operations, will be incorporated to mitigate those concerns. This restrictive operational time should also increase harmony with our neighbors on Little Lakes Road. Hunting opportunities could have a short term negative impact while the aspen stand regenerates, however; overall hunting opportunities will increase over time as the aspen regenerates. Snowmobiling opportunities will remain the same other than possible hauling during the winter months. Snowmobile trails will remain passable and snow covered for trail users during the winter.

g. Resources of Special Concern Considerations (Archaeological / Historical Review)

Results of Cultural Review: A review of the Oneida County WI Archaeological/Historical map revealed no hits within the proposed timber sale area.

15g. Comments

NH-ALSF TRACT 8-22
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Oneida County

Town 39 North, Range 7 East

Section 27 – SWNW; SW1/4
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