

# TIMBER SALE MAP



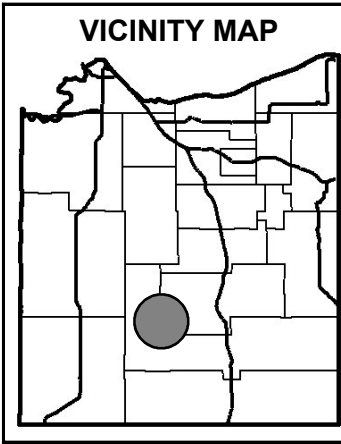
Douglas County Forestry Department  
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TRACT NUMBER: **6-21**

SALE NUMBER:

Prepared By: Alex Rowe Legal: Sec 8 & 9 T44N - R13W  
 Sale Name: Sheosh Shake Town: Gordon Topography: Sloping Hills  
 Scale Method: Ticket Scale Acres: 72 Harvest Units: 2 Soils: Silt Loam  
 Contract Period: 2 Years Map Scale: 4" = 1 mile Season: Seasonal (see reverse)

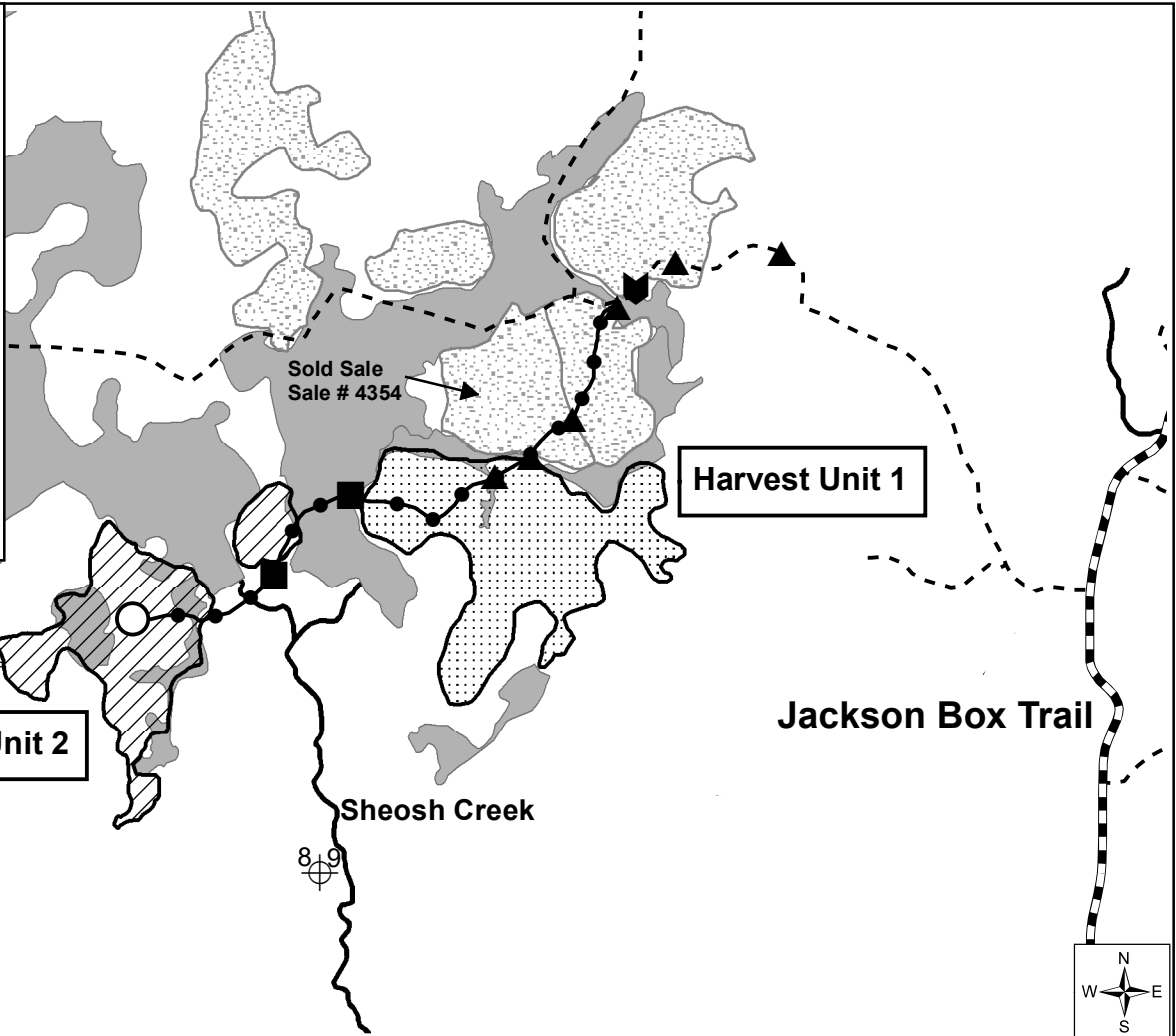
-- See the Douglas County Timber Sale Contract and reverse side for terms and conditions. --



SPECIES, PRICE & ESTIMATED VOLUME INFORMATION				
SPECIES	4" ROUNDWOOD (CORDS)	WHOLE-TREE (CORDS)	SAWLOGS (MBF)	MINIMUM TOTAL SPECIES PRICE
Mixed HW	1,900	XXX	XXX	\$15,010.00
<b>TOTALS</b>	<b>1,900</b>	<b>XXX</b>	<b>XXX</b>	<b>\$15,010.00</b>

The Mixed HW volume contains approximately 40% red maple, 25% sugar maple, 20% ash, 10% white birch, 5% misc. The total cord volume contains approximately 45% sawlog size material.

- Berm
- Crossing
- Landing
- Section Corner
- Skid Trail Crossing
- Freeze Down Crossing
- New Road Construction
- Public Road
- Existing Access Road
- River/Stream/Lake
- Harvest Unit 1
- Harvest Unit 2
- Sold Sale #4354
- Lowland Timber Types



## **TRACT 6-21 (SHEOSH SHAKE) – SUPPLEMENTAL REQUIREMENTS**

The following terms and conditions supplement those provided in the Douglas County Timber Sale Contract:

### **A. PRESCRIPTION -**

- Harvest unit 1 has a shelterwood harvest prescription with an estimated average residual basal area of 45ft<sup>2</sup>.
- Harvest unit 2 has a clear-cut harvest prescription with an estimated average residual basal area of 6ft<sup>2</sup>.

### **B. SEASONAL RESTRICTIONS -**

- All harvesting operations in harvest unit 1 are not restricted by season or time of the year. All harvesting operations in harvest unit 2 shall be limited to frozen ground conditions only.

### **C. TREES DESIGNATED FOR CUTTING -**

- Fell, skid, and haul all non-marked red maple, sugar maple, ash, white birch, and miscellaneous species stems that meet the product and utilization standards as per product bid.

### **D. TREES DESIGNATED FOR LEAVING -**

- In harvest unit 1, reserve and leave undamaged all red oak, white pine, cedar, and all green marked stems.
- In harvest unit 2, reserve and leave undamaged all red oak, yellow birch, white pine, balsam fir, and cedar stems.

### **E. HARVEST AND OPERATIONAL REQUIREMENTS -**

- "Slashing Maintenance" is required for all harvest units.
- All harvesting operations shall be limited to short-wood/cut-to-length operations only. Sheared stems shall be limbed, topped, and processed at the stump prior to product forwarding.
- One landing location is permitted as designated.
- Access road system shall be utilized for product decking.
- One skid trail crossing shall be constructed as designated. All equipment operation and skidding in this portion of the sale area shall be limited to this crossing.

### **F. ACCESS AND ROADS -**

- The total length of the access road system is approximately 9,100 feet. Approximately 4,600 feet of existing access road and 4,500 feet of new access road.
- A 2,600 foot portion from the designated earth berm to the first freeze down crossing will require "Class 2" new construction. The remaining 1,900 foot portion from the eastern most freeze down to the furthestmost landing will require "Class 4" construction.
- Significant portions will require freeze down before use.
- The entire 4,600 feet of existing access road will require "Class 2" reconstruction.
- Six permanent "Culvert Crossings" shall be constructed as designated. Please see contract attachment.
- The access road is blocked with an "Earth Berm". Berm removal is recommended during non-frozen ground conditions
- An "Earth Berm" shall be installed as designated.

### **G. OTHER -**

- Note skidding distances.
- A portion of the new access road for this sale is currently under contract as access for another Douglas County Forestry Department timber sale. Contractors are encouraged to plan operations accordingly and take the necessary steps to maintain communications and minimize conflict throughout all operations. Contact the Sale Administrator for further information.

DOUGLAS COUNTY – TIMBER SALE CONTRACT  
**CONTRACT ATTACHMENT “C”**

**Tract 6-21 Culvert Crossing Construction**

The Purchaser shall construct and install **SIX** permanent culverts as part of an elongated single crossing. If not identified in the field by the word “XING” painted in pink paint at each specific location, the Sale Administrator shall determine and approve exact locations prior to any construction activities by the Purchaser.

**CULVERT CROSSING** - The following specifications apply to all culvert crossing construction designated under this Contract. All culverts will be constructed of 16-gauge corrugated steel pipe, be no less than 18-inches in diameter, be no less than 30-feet in length, and shall be installed by the Purchaser as follows:

- (1) All culverts and geotextile fabric will be furnished by the County. The Purchaser shall notify the Sale Administrator no less than five (5) calendar days in advance of requested date of availability. The County will make the materials available at the Douglas County Forestry Department Field Shop located at 9257 East County Highway “M”, Gordon, WI 54838 on scheduled business days between the hours of 8:00 AM and 4:30 PM. All loading and transportation of materials shall be the sole responsibility of the Purchaser.
- (2) The Purchaser shall contact the Sale Administrator **two (2)** calendar days in advance of culvert installation.
- (3) The entire crossing is estimated at **20-feet** in total length and **25-feet** in width. Purchaser is encouraged to use a backhoe or excavator to install both culverts.
- (4) Excavation and blade work shall be restricted to only the specific length and width area of the crossing. No laterally adjacent areas outside of the crossing shall be disturbed by the Purchaser’s operations.
- (5) The excavation trench for culvert installation shall be no wider than necessary to permit satisfactory jointing and thorough tamping of the bedding material under and around the culverts.
- (6) The bedding surface shall be constructed to provide a firm foundation of uniform density through the entire length of the culverts and shall be slightly raised along the centerline to correct for expected settlement.
- (7) A layer of geotextile fabric shall be placed over the crossing area to add stability and prevent fill material from mixing with the bedding material (see Figure 2). The geotextile fabric is required for **the entire 20’ length** of the crossing, shall extend no less than 15 feet beyond the lowland area on each side of the crossing, and shall be secured into the adjacent upland fill material.
- (8) Culvert elevation shall be sufficient to cause no change in substrate level elevation of the drainage. All pooling and damming on the inlets and outlets caused by improper installation elevation shall be avoided (see Figure 1). Inlet and outlet of culverts shall be embedded at a depth of 1/6th the vertical diameter height of the culverts assuring there is no change in drain elevation.
- (9) Selected native fill material requires approval from the Sale Administrator prior to use and shall be free from rocks, sod, organic matter, woody debris and hard earth clods larger than 3-inches in size. Frozen material, snow or ice is not permitted in fill.
- (10) The road surface shall consist of native fill material at a depth of no less than 8-inches. Total fill column (including road surface) is to extend above the culverts at a minimum of 18-inches (compacted).
- (11) Any culvert and/or component that is damaged or improperly installed by the Purchaser shall be repaired or replaced at the Purchaser’s expense as directed by the Sale Administrator.
- (12) Upon completion of the installation, the road profile shall maintain a 2:1 slope.

## Culvert Crossing Figures

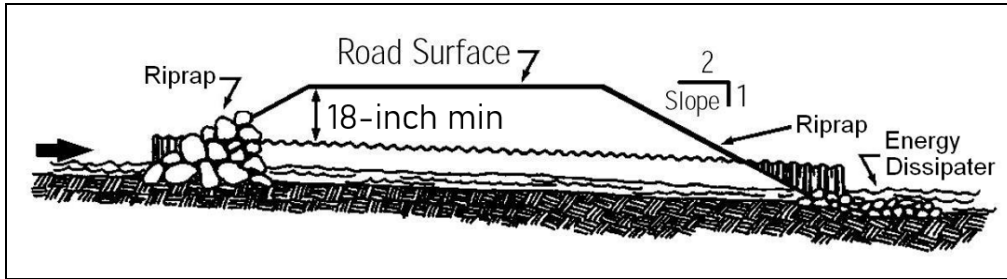


Figure 1: Installation of culverts.

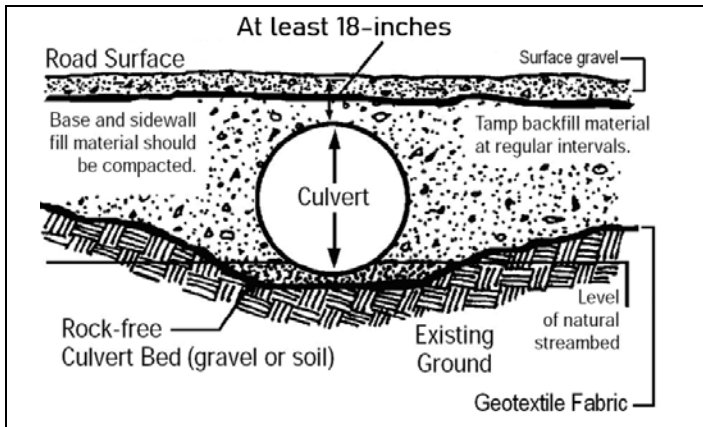


Figure 2: Culvert cross-section.