DEPARTMENT OF NATURAL RESOURCES
STATE OF MICHIGAN
TIMBER SALE PROSPECTUS #7899

SCHEDULED SALE DATE AND TIME: **9:00 a.m. (local time) on October 29, 2026.**
LOCATION: **BARAGA MGMT UNIT, 427 US 41 NORTH, BARAGA, MI 49908**.

CONTACT NAME: Brad Carlson
PHONE NUMBER: (906) 353-6651

PROSPECTUS NOTE: The bidder is advised to inspect the sale area and review the location, estimated volumes, operating costs and contract terms of proposed sales. Please be aware that some landowners may request 60 days or more notice for access across their land.

Notice is hereby given that bids will be received by the Unit Manager, BARAGA MANAGEMENT UNIT, for certain timber on the following described lands:

Indiana Mine Mix (11-014-26) / T51N, R37W, SEC. 15, SESW.
T51N, R37W, SEC. 21, NENE.
T51N, R37W, SEC. 22, NW,SW,SE.
T51N, R37W, SEC. 27, NENW,NWNE.
Ontonagon County, Advertised Price $16,837.50, 291.0 Acres, Hardwood, Spruce/Fir/ Tamarack.
SALE NOTE: Extensive road work is required on this sale. The advertised price has been reduced by the estimate cost of this road work to off-set the additional expense.

A recreation site such as a trail, pathway, or campground is within the sale area or the vicinity. Certain restrictions/specifications may be applicable including time restrictions. Access may be through private land.

TIMBER SALE INFORMATION

Indiana Mine Mix (11-014-26)
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A recreation site such as a trail, pathway, or campground is within the sale area or the vicinity. Certain restrictions/specifications may be applicable including time restrictions. Access may be through private land.

A timber sale contract for this lump sum, sealed bid timber sale will be awarded to the responsible bidder offering the highest sealed bid price. All units of volume listed below were estimated using the Inventory Manager computer program and the new Michigan taper model. Bids must be at or above the following advertised price for each product and species:

PRODUCTS & SPECIES	ESTIMATED UNITS*		ADVERTISED PRICE	
Sawtimber				
Basswood	145.5	MBF	$ 10.00	/ MBF
Black Cherry	3.5	MBF	$ 3.00	/ MBF
Red Maple	18.8	MBF	$ 34.00	/ MBF
Red Oak	8.1	MBF	$ 38.00	/ MBF
Sugar Maple	96.7	MBF	$ 61.00	/ MBF
Yellow Birch	1.6	MBF	$ 22.00	/ MBF
Pulpwood				
Balsam Fir	225	Cords	$ 1.60	/ Cord
Basswood	1,061	Cords	$ 1.90	/ Cord
Mixed Aspen	159	Cords	$ 5.15	/ Cord
Mixed Hardwood	2,371	Cords	$ 2.15	/ Cord
Mixed Spruce	56	Cords	$ 1.45	/ Cord
White Ash	50	Cords	$ 2.35	/ Cord

* The total volume is statistically estimated within plus (+) or minus (-) 9.26 percent. There are an estimated 4,564 cords on this timber sale, plus or minus 423 cords at the 95% confidence level. The estimated units are final and not subject to adjustment. Prospective bidders are urged to examine this timber and to make their own estimates of quantity and quality.

BOND AND PAYMENT SCHEDULE:

1. A bond in the amount of $1,683.75 to insure faithful performance of the conditions of the contract will be deposited by the successful bidder within 21 days of the sale award.
2. Cutting in any sale or unit without the required advance payment would be considered a trespass.
3. Total payment must be paid in advance or according to the following schedule:
   (a) Ten percent (10%) of the sale value must be paid within 21 days of the sale award.
   (b) The 10% down payment will be credited towards the first unit cut.
   (c) Payment for each of the following units must be made before cutting begins in that unit:

PAYMENT UNIT NUMBER	PERCENT OF TOTAL SALE VALUE
01	27.1%
02	20.4%
03	3.0%
04	14.9%
05	11.4%
06	23.2%

4. If no cutting takes place, the 10% down payment will not be refunded.
5. Operations on the contract issued will terminate on 06/30/2030.

SALE STATISTICS

Volumes were calculated in cubic feet using the Michigan taper model. Cubic foot volume includes all wood inside bark for the product indicated. For display purposes, cubic feet were converted to cords and MBF using a simple conversion factor, e.g. 79 cubic feet per cord and 185 cubic feet per MBF. The cubic foot volumes are precise; the cords and MBF volumes are not. Cubic foot volume cannot be directly converted to cords or boards with precision.

SALE VOLUMES

The total estimated sale volume may not equal the sum of the species/products due to the nature of statistical calculations associated with double sampling methodology.

VOLUME			STATISTICAL RANGE IN CORDS	
TOTAL CUBIC FEET	TOTAL CORDS	PERCENT ERROR	MINIMUM	MAXIMUM
360,595	4,564	9.26%	4,141	4,988

VDU VOLUMES

A VDU is a Volume Determination Unit. Volumes and their associated statistics are calculated at the VDU level and summarized to the sale level. There is often a one to one relationship between a VDU and a Payment Unit, but not always, depending on the cruise design. Refer to the VDU TO PAYMENT UNIT table.

	VOLUME			RANGE IN CORDS	
VDU	TOTAL CUBIC FEET	TOTAL CORDS	PERCENT ERROR	MINIMUM	MAXIMUM
35	9,081	115	68.55%	36	194
42	91,918	1,164	17.50%	960	1,367
54	48,756	617	18.89%	501	734
65	96,875	1,226	19.26%	990	1,462
69	113,965	1,443	17.78%	1,186	1,699
TOTAL:	**360,595**	**4,564**		**3,673**	**5,456**

VDU TO PAYMENT UNIT

When a VDU is associated with more than one Payment Unit (PU), the VDU volumes are assigned to the PU based on acres of the VDU within the PU.

VDU	VDU ACRES	PU	PU ACRES
35	4.5	3	4.5
42	99.6	2	57.5
		4	42.1
54	60.8	5	60.8
65	62.2	1	62.2
69	63.9	6	63.9
TOTAL:	**291.0**		**291.0**

DESCRIPTION OF TIMBER BY PU (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Basswood	Sawtimber	28.9	MBF	62.2	$4,560.55
	Red Maple		3.0	MBF		
	Sugar Maple		30.7	MBF		
	Yellow Birch		1.1	MBF		
	Balsam Fir	Pulpwood	84	Cords		
	Basswood		276	Cords		
	Mixed Aspen		31	Cords		
	Quaking Aspen		*31*	*Cords*		
	Mixed Hardwood		623	Cords		
	Ironwood		*11*	*Cords*		
	Red Maple		*198*	*Cords*		
	Sugar Maple		*380*	*Cords*		
	Yellow Birch		*34*	*Cords*		
	Mixed Spruce		37	Cords		
	White Spruce		*37*	*Cords*		
	White Ash		26	Cords		
2	Basswood	Sawtimber	30.3	MBF	57.5	$3,435.30
	Red Maple		1.5	MBF		
	Red Oak		4.7	MBF		
	Sugar Maple		30.0	MBF		
	Balsam Fir	Pulpwood	2	Cords		
	Basswood		151	Cords		
	Mixed Hardwood		364	Cords		
	Red Maple		*39*	*Cords*		
	Red Oak		*4*	*Cords*		
	Sugar Maple		*318*	*Cords*		
	Yellow Birch		*3*	*Cords*		
3	Mixed Aspen	Pulpwood	86	Cords	4.5	$505.25
	Quaking Aspen		*86*	*Cords*		
	Mixed Hardwood		29	Cords		
	Red Maple		*24*	*Cords*		
	Sugar Maple		*5*	*Cords*		
4	Basswood	Sawtimber	22.2	MBF	42.1	$2,513.10
	Red Maple		1.1	MBF		
	Red Oak		3.4	MBF		
	Sugar Maple		22.0	MBF		
	Balsam Fir	Pulpwood	1	Cords		
	Basswood		110	Cords		
	Mixed Hardwood		266	Cords		
	Red Maple		*29*	*Cords*		
	Red Oak		*3*	*Cords*		
	Sugar Maple		*232*	*Cords*		
	Yellow Birch		*2*	*Cords*		
5	Basswood	Sawtimber	33.7	MBF	60.8	$1,917.00
	Red Maple		1.3	MBF		
	Sugar Maple		7.5	MBF		
	Yellow Birch		0.5	MBF		
	Balsam Fir	Pulpwood	9	Cords		
	Basswood		182	Cords		
	Mixed Aspen		3	Cords		
	Quaking Aspen		*3*	*Cords*		
	Mixed Hardwood		319	Cords		
	Red Maple		*95*	*Cords*		
	Sugar Maple		*222*	*Cords*		
	Yellow Birch		*2*	*Cords*		

DESCRIPTION OF TIMBER BY PU (PU), CON'T

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
5 con't	Mixed Spruce	Pulpwood	4	Cords		
	White Spruce		*4*	*Cords*		
6	Basswood	Sawtimber	30.4	MBF	63.9	$3,906.30
	Black Cherry		3.5	MBF		
	Red Maple		11.9	MBF		
	Sugar Maple		6.5	MBF		
	Balsam Fir	Pulpwood	129	Cords		
	Basswood		342	Cords		
	Mixed Aspen		39	Cords		
	Quaking Aspen		*39*	*Cords*		
	Mixed Hardwood		770	Cords		
	Black Cherry		*11*	*Cords*		
	Paper Birch		*4*	*Cords*		
	Red Maple		*426*	*Cords*		
	Sugar Maple		*314*	*Cords*		
	Yellow Birch		*15*	*Cords*		
	Mixed Spruce		15	Cords		
	White Spruce		*15*	*Cords*		
	White Ash		24	Cords		
		TOTAL:	274.2	MBF		
		TOTAL:	3,922	Cords		

Sale Specific Conditions & Requirements

Sale Name: Indiana Mine Mix **Sale Number: 11-014-26 Seq#: 2**

1 - Sale Area

1.2 - Boundaries

1.2.1 - Painted Boundaries (9/19)
The sale boundary and Payment Unit boundaries are marked and identified by blue and red paint. Exterior sale boundary lines against private property are marked with blue paint. Exterior sale boundary lines against state are marked with red paint. Interior Payment Unit boundaries are marked with red paint. The painted boundary line trees are not Included Timber and are to be protected unless marked with orange paint.

2 - Timber Specifications

2.1 - Included Timber

2.1.1 - Clearcut Unit(s) with Unmerchantable Trees (6/14)
Within Payment Unit(s) 3, cut all trees that are two (2) inches or more at DBH, except do not cut red oak, hemlock, white pine and cedar, if present.

2.1.2 - Clearcut Unit(s) w/o Unmerchantable Trees (8/11)
Within Payment Unit(s) 1 and 6, cut all trees which meet minimum piece specifications in 2.2 Utilization, except do not cut hemlock, red pine, white pine, cedar, red oak or any tree over 22 inches at DBH, these are not Included Timber and are to be protected if present.

2.1.3 - Cut Tree Marked Unit(s) (12/08)
Within Payment Unit(s) 2, 4, and 5, all trees are designated for cutting when marked with orange paint above and below stump height, regardless of merchantability.

2.2 - Utilization

2.2.3 - Stump Heights (12/24)
Stump heights within the Sale Area shall not exceed 12 inches for trees greater than 10 inches at DBH and four (4) inches for trees smaller than 10 inches at DBH. A written waiver of this requirement may be obtained if wet summer weather makes winter logging necessary.

2.2.4 - Skidding Length (12/24)
Skidding of lengths over 17 feet is permissible as long as the Sale Administrator approves the method and machinery used. If at any point damage exceeds specification 3.4.1, all of the remaining wood must be skid in lengths less than 17 feet.

2.2.5 - Limbed Tree Skidding (12/24)
The skidding of whole trees or tree segments with limbs attached is prohibited, unless approved by the Unit Manager or his/her representative.

2.2.7 - Uncut Designated Trees (2/04)
Liquidated damages of $10.00 per tree will be assessed for every marked tree not cut.

2.2.8 - Utilization and Removal (12/24)
All products meeting standards set forth in General Condition and Requirement 2.2 Utilization must be removed from the Sale Area. This is because excess woody debris inhibits regeneration.

2.2.11 - Chipping Restriction (9/14)
If chipping occurs on this sale, then no woody debris present on the ground at the start of the sale may be chipped. In addition, brush or chips may not be stored or stockpiled on-site for more than 30 days.

3 - Payments

3.4 - Damaged Timber

3.4.1 - Damaged Timber (12/24)
General Condition and Requirement 3.4 Damaged Timber, defines liquidated damages for undesignated live merchantable trees which are cut or injured. In addition, extreme care should be taken to avoid damage to tree seedlings and saplings.

No damage is acceptable to undesignated live merchantable trees. Within the Sale Area, if more than 5% of trees (> 4.5" DBH) within a specified area of the sale are damaged, liquidated damages will be assessed for all trees damaged. Rates will be in accordance with General Condition and Requirement 3.4 Damaged Timber. Note: trees within 10 feet of ruts exceeding 6" will be considered damaged due to severing of the tree's roots, thus harming future tree quality and inhibiting tree growth.

4 - Transportation

4.1 - Construction

4.1.1 - Stream Crossings, General (1/25)
All stream crossing structures will be temporary and, therefore, shall be provided by the Purchaser and must be removed upon completion of the sale. All permits for stream crossings will be provided by the DNR for crossings on state owned land, please notify the DNR 90 days prior to working on any crossing that requires a permit.

4.1.2 - Stream Crossings, Specific (3/11)
There are two culverts that need to be installed, one permanent installation and one temporary installation. The locations on the culvert installations are indicated on the Timber Sale Map. These culverts are located within 1/4 mile of an active bat hibernaculum, and the removal of any vegetation (larger than 2 inches at DBH) with in 1/4 mile of the hibernaculum will require prior approval from the bat specialist.

The permanent culvert installation is on the unnamed stream that feeds the East Branch of the Firesteel River. The crossing will require the installation of a culvert with a minimum size of 72" x 50' (see Timber Sale Map for location). The work required as part of the installation will be to install the new culvert in accordance with the stream Crossing Permit (see attached maps) - Remove the existing culvert (Note: the top of the current culvert is 11 feet below roadbed), replace fill, and remake the road bed. Any questions regarding the crossing can be directed to Ryan Mattila at 906-201-0561.

The temporary culvert is located in a drainage that has previously been crossed without a culvert installed. A culvert will need to be installed with a minimum size of 30"x 30' (see Timber Sale Map for location).

This installation will be performed in accordance with the specifications on the appropriate permits which shall be provided by the DNR. The Purchaser needs to notify the DNR 90 days before working the culvert installations. Both culverts will be provided by the Purchaser.

4.1.3 - Slash and Earthen Piles (8/04)
Piles or windrows of earth along roads and landings that have been widened or constructed shall be leveled. Slash from road maintenance or construction, including stumps, shall be dispersed throughout the sale.

4.1.4 - Timber Removed for Construction (3/23)
Trees cut or damaged in the process of pre-approved road, landing, or skid trail construction will be decked in an area separate from other Designated Timber and not removed until measured by the Sale Administrator. Payment will be made at contract prices or average prices, if not on the contract.

4.1.5 - Culverts (5/14)
Roads may require the installation of culverts for cross drainage or at natural drainage-ways. If culverts are needed in these locations, their placement will be specified by the Sale Administrator, and they shall be installed prior to hauling. The culverts shall be new, corrugated metal or plastic gauge. Culverts will be a minimum of 12 inches in diameter and 24 feet in length. If culverts are removed, fill shall be removed from wetland soils as specified. Soils shall be maintained and left in a non-erodible condition, with water bars, seed, fertilizer, mulch, and slash installed as directed by the Sale Administrator and as specified in the BMP manual.

4.1.6 - Road Construction (4/24)
Construction of new roads or improvements of existing roads shall be done in such a way as to minimize the environmental and visual impacts. Merchantable trees shall be cut and utilized unless otherwise directed. Non-merchantable trees shall be severed and laid flat on the ground. Slash shall be scattered, and not left in windrows and kept a minimum of 10 feet back

from the road edge. Note; no trees over 2" DBH are to be removed within the 1/4-mile radius of the Bat Hibernaculum without prior approval from the bat specialist. Stumps shall be set upright, not left on edge, and be moved at least 10 feet away from the road edge. Disturbed soil shall be feathered into the woods and not left in berms or windrows.

4.1.7 - Road Closure (10/11)
All new roads built into the sale must be blocked to vehicle traffic upon completion of the sale. Overgrown roads that are reopened shall be considered new roads. In general, this will require constructing a four (4') foot high berm of stumps and logs covered with earth. Contact the Sale Administrator for specific details of design and placement.

4.1.8 - Road Work (1) (8/07)
The following road work is required:

The insulation of two culverts that require permits (see 4.1.2 Stream Crossing, Specific for additional information). There are 7 locations identified on the Timber Sale Map that are going to need cross culverts installed (see Timber Sale Map for locations) the Purchaser is responsible for providing these culverts (see 4.1.5 - Culverts). There may be additional locations where cross culverts are needed that haven't been identified. There is one culvert that has been identified as having insufficient fill over the culvert (see Timber Sale Map for location). The Purchaser will be responsible for adding additional fill prior to trucking or running equipment over the culvert.

There is an old beaver dam located on the road where the water has subsided to a level below the existing roadbed. The dam remnants will need to be removed (see Timber Sale Map for location).

There is a segment of road approximately 600' long that need to be shaped, ditched, and capped with crushed gravel (size 6-) 4 inches deep and 12 feet wide (app 100 yards) prior to any harvesting occurring on the sale (see Timber Sale Map for location). The road segment currently consists of native material, which is heavy to clay and rutted. The gravel is not available from state lands will need to be purchased; additional gravel may be needed at other locations (see 4.2.2 - Fill Material).

In addition, if sale is logged with snow on the ground. The Purchaser will plow the access road into the sale, such that there are pull-offs and/or turn outs along the road at a distance of no greater than a quarter of a mile. These pull-offs shall be large enough to fit two passenger vehicles and allow passage of other vehicles.

4.1.11 - Permits (2/12)
The Purchaser will secure any necessary highway permits that may be required.

4.2 - Maintenance

4.2.1 - Hauling Restriction (12/08)
Hauling may be restricted on forest roads by the Unit Manager or his/her representative. The restriction may occur during spring breakup and/or during wet weather conditions.

4.2.2 - Fill Material (4/07)
To maintain roads, fill material may be needed in areas where "holes" exist or may be expected to develop. This fill material should be placed before trucking begins.

4.2.4 - Grading (10/16)
For completion of the sale, state forest roads must be graded. In general, this will require a road grader or bulldozer to shape up the roads after forest products have been hauled off site. This includes cleaning of drainage areas, grading, crowning and filling with gravel, if necessary. The grading equipment to be used must be approved by the Unit Manager or his/her representative.

4.2.5 - Two Wheel Drive Condition (2/04)
All existing trail roads on and adjacent to the Sale Area must be passable by two-wheel drive traffic for the duration of the sale.

4.4 - Access

4.4.1 - Private property access (3/11)
Permission for access across private land is the responsibility of the Purchaser. A copy of the written permission from the

private landowner must be given to the Unit Manager prior to the beginning of operations, if using an access route that crosses private property.

5 - Operations

5.1 - Notification

5.1.1 - Pre-sale Conference (10/25)
A pre-sale conference on site between the Purchaser and Sale Administrator is required prior to beginning any operations to determine landing and road locations. Also required to attend are equipment operators that will be working on the sale. A presale is to be conducted anytime a new operator moves to the sale. The Unit Manager or his/her representative must be contacted at least 10 days in advance to schedule the conference.

5.1.4 - Post-Sale Conference (10/16)
A post-sale conference on site between the Purchaser and sale administrator is required 5 days prior to the completion of active logging operations to determine clean-up and repair of landings, road edges, and the fulfillment of other contract specifications.

5.2 - Conduct of Operations

5.2.1 - Slash

5.2.1.1 - Slash Within Sale Area (9/16)
No trees are to be felled outside the Sale Area, and all slash is to be kept at least 10 feet back from the red paint line. If sale boundary lines are along a public road or highway, then slash must be removed 50' from these lines per General Condition & Requirement 5.2.1.

5.2.1.11 - Slash for Reforestation (3/21)
To facilitate reforestation, the Sale Area shall be left with slash evenly distributed. Processing sites shall not be left with a compacted layer of slash; tops from these sites shall be hauled back into the cut area and scattered.

5.2.1.14 - Chipping of Slash (10/08)
If tops are chipped, they must be skidded to the landing separately from the bole section of the tree. Skidding of tops must be done in such a way as to minimize damage to the residual trees. See related specs 2.2.4 - Skidding Length and 3.4.1 - Damaged Timber.

5.2.2 - Hazard Trees/Snags

5.2.2.1 - Den Trees (10/16)
Obvious hollow and/or den trees shall be protected and left standing unless they are a safety hazard.

5.2.3 - Operating Restrictions

5.2.3.1 - Operating Restrictions (9/11)
Within Payment Unit(s) 1, 3, and 6 unless changed by written agreement, cutting, skidding, and hauling are not permitted during the period of 4/15 to 5/14 and 8/16 to 10/15. This restriction is due to northern long-eared bat restrictions. Note: there is a 1/4 mile bat Hibernaculum buffer indicated on the Timber Sale Map, the removal of any vegetation larger then 2 inches DBH is prohibited with in this buffer without prior approval of the Northern Long-eared Bat Specialist.

5.2.3.2 - Operating Restrictions (9/11)
Within Payment Unit(s) 1, 2, 3, 4, 5, and 6 unless changed by written agreement, all clean-up activities must be completed by June 30 for all areas that were harvested during the previous harvest season. This restriction is to allow the clean-up areas to revegetate before the dry season.

5.2.3.3 - Bark Slippage Restriction (3/09)
Within Payment Unit(s) 2, 4, and 5, unless changed by written agreement, cutting and skidding are not permitted during the period of 4/15 to 7/15 and 8/16 to 10/15. This restriction is because of bark slippage and northern long-eared bat restrictions.

5.2.17 - Timber Mats and Interlocking Composite Mats (5/23)
Some roads or skid trails may require extra protection such as that afforded by timber mats, interlocking composite mats, or

another approved system. If available, mats may be borrowed from the DNR. A Timber Sale Contract Amendment will be used to document the Purchaser's use of the DNR's mats. Contact the Sale Administrator regarding availability and pick-up. Timber mats are available from various field offices. Composite mats are only available from the Grayling field office and the Marquette ICC. The Purchaser is responsible for picking up and hauling the mats to and from the site. The composite mats will require DNR staff onsite for installation and removal. Contact the Sale Administrator to schedule at least 30 days before desired install/removal date. All mats must be cleaned prior to drop off. This may include, but is not limited to, power washing and brushing to remove mud and debris. A charge of $700.00 per timber mat and $2,000.00 per composite mat will be assessed for all damaged or non-returned mats. Damage for the crane/timber mats is defined as three or more broken cants. Damage for the composite mats is defined as cracked or broken mats.

5.2.30 - Landing/Road Topsoil Protection (1/25)
Topsoil on landings and new roads must be removed, stockpiled, and saved. Upon completion of the timber sale, soil must be evenly distributed back over the area for revegetation. In addition, the area must be seeded and mulched per Sale Administrator's instructions.

5.2.32 - Decking/Landing Restoration (9/13)
All decking and landing areas must have the surface area restored to a condition equal to or better than before. This is to ensure the proper regeneration of the stand. Wood debris, chips and "cookies" from trimmings must be removed or scattered away from landing and loading areas and may not be windrowed on the edge.

5.2.38 - No Decking Against Live Trees (2/04)
Cut products may not be decked against unmarked or designated leave trees.

5.2.39 - ORV Trail/Route Protection (4/18)
The Railroad Grade is an ORV trail and is shown on the Timber Sale Map. The trail is also known as the Bill Nicholls Trail. Due to the condition of the Railroad Grade, it may not be used for trucking of forest products. Do not cut trees or damage posts with yellow ORV markers. All stumps within five (5) feet of the trail must be cut flush with the ground. Maintain a 20-foot-wide slash, debris, and rut free zone daily using the ORV trail or route as the centerline. Do not run equipment down the ORV trail or route. Skidding across the trail or route may only occur in locations approved by the Sale Administrator.

5.2.41 - Snowmobile Trail Protection (9/11)
Trail 3 (Railroad Grade) is a snowmobile trail and is shown on the Timber Sale Map. Do not cut or damage posts with orange trail markers or traffic control signs. The snowmobile trail may not be used for any timber sale operations from December 1 to March 31. The snowmobile trail may only be crossed at right angles. Maintain a 20-foot-wide slash, debris, and rut free zone daily using the snowmobile trail as the centerline. No decking of forest products will be permitted along the snowmobile trail. All stumps within 20 feet of the snowmobile trail must be cut at ground level.

5.4 - Soil Protection

5.4.1 - Rutting Restriction, General (7/16)
Within Sale Area operations are to cease immediately if equipment and weather conditions result in rutting of roads and/or skid trails which is 12 inches or greater in depth and 50 feet in length. The Unit Manager or his/her representative may restrict hauling and/or skidding if ruts exceed the specified depth. With the Unit Manager or his/her representative's approval, the Purchaser may return to the area when the risk of rutting has decreased. Note: Trees within 10 feet of ruts exceeding 6" will be considered damaged due to the severing of the tree's roots and will be billed in accordance with 3.4 Damaged Timber.

5.4.2 - Skid Trails (2/04)
Skid trails up and down slopes should be avoided. If, however, this is unavoidable, these trails will be left in a non-erodible condition using water bars, logs, and slash. Placing of slash on these skid trails while logging is ongoing may alleviate need for any further action. At the direction of the Sale Administrator, seed, fertilizer, and mulch may also be required.

5.4.3 - Erosion Control (12/08)
Skid trails or haul roads may require erosion control structures or berms per direction of the Unit Manager or his/her representative.

5.4.7 - Rutting Restriction, Riparian Management Zone (RMZ) (1/25)
Within the Riparian Management Zone (RMZ), and wetland areas, operations are to cease immediately if equipment and weather conditions result in rutting of roads and skid trails which are six (6) inches or greater in depth and 25 feet in length. The Unit Manager or his/her representative may restrict hauling and/or skidding if ruts exceed the specified depth. With the

Unit Manager or his/her representative's approval, the Purchaser may return to the area when the risk of rutting has decreased.

5.8 - Protection of Endangered Species

5.8.3 - Red-shouldered Hawk or Goshawk (1) (1/25)
In the event that an active red shoulder hawk or goshawk nest is found, the contract may be amended to protect the nest site until the nest is determined to be inactive. The value of the trees in this excluded area will be refunded or credited to the Purchaser. The nest will be buffered with a five-chain radius (eight acre) protection area, centered on the nest tree, in which there will be no cutting or new roads constructed. Avoid human disturbance, including loading and skidding, in the protection area.

An additional zone of five chains (ten chains centered on the active nest tree) will be established in which there is no management activity from April 1 to July 30. Limit biomass harvesting and chipping operations within this ten-chain zone, retain the maximum one-third of residues per the Woody Biomass Harvesting Guidelines (Michigan DNR 2010). Nests determined to be inactive will be protected with a one-chain no-harvest buffer.

5.8.5 - Protection of Raptor Nests (3/13)
All trees with raptor nests will be protected if found during harvesting operations. Notification will be made to the Unit Manager or his/her representative who will notify the Wildlife Biologist so an onsite evaluation and recommendation can be made, if necessary.

6 - Safety and Fire Prevention

6.2 - Signing

6.2.1 - Road Posting (10/20)
The Purchaser is responsible for posting and maintaining caution signs on M-26 prior to beginning operations. The road must be posted at appropriate distances from the trucking activity to warn of logging activity and truck traffic. Signs must be removed when harvest operations are suspended or completed. The Purchaser will provide these signs.

6.2.2 - Snowmobile Trail Posting (10/20)
The Purchaser is responsible for posting and maintaining caution signs on Trail 3 (Railroad Grade) prior to beginning operations during the snowmobile season (approximately December 1 to March 31). The trail must be posted at appropriate distances from the Sale Area to warn of logging activity and truck traffic. Signs must be removed when harvest operations are suspended or completed. The Purchaser will provide these signs.

6.2.3 - Recreational Trail Posting (10/20)
The Purchaser is responsible for posting and maintaining caution signs on Bill Nicholls Trail prior to beginning operations. The trail must be posted at appropriate distances from the Sale Area to warn of logging activity and truck traffic at both ends of the trail. Signs must be removed when harvest operations are suspended or completed. The Purchaser will provide these signs.

Michigan Department of Natural Resources - Forest Resources Division

TIMBER SALE MAP

This information provided by authority of Part 525, 1994 PA 451, as amended.

Sale Number	Date
11-014-26	05/18/2026

Forest Management Unit	County	Mapped By: Ryan Mattila	Scale	Page	Of
Baraga Mgt Unit	Ontonagon	Cruised By: Ryan Mattila	1:15,840	1	1

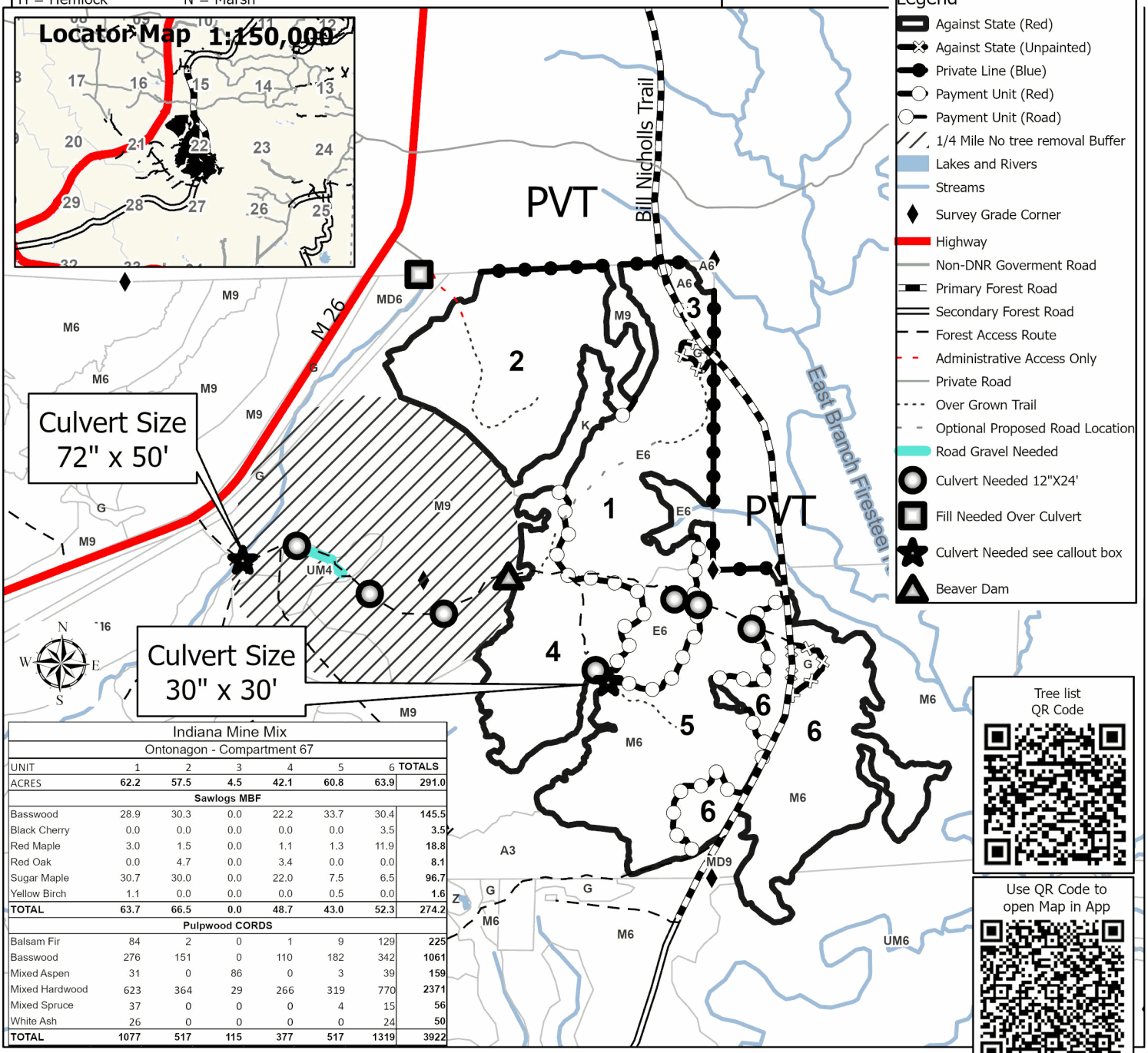
Township	Range	Section(s) and Subdivision(s)
51N	37W	Sec. 15 SESW; Sec. 21 NENE; Sec. 22 NW,SW,SE; Sec. 27 NENW,NWNE;

Cover Type

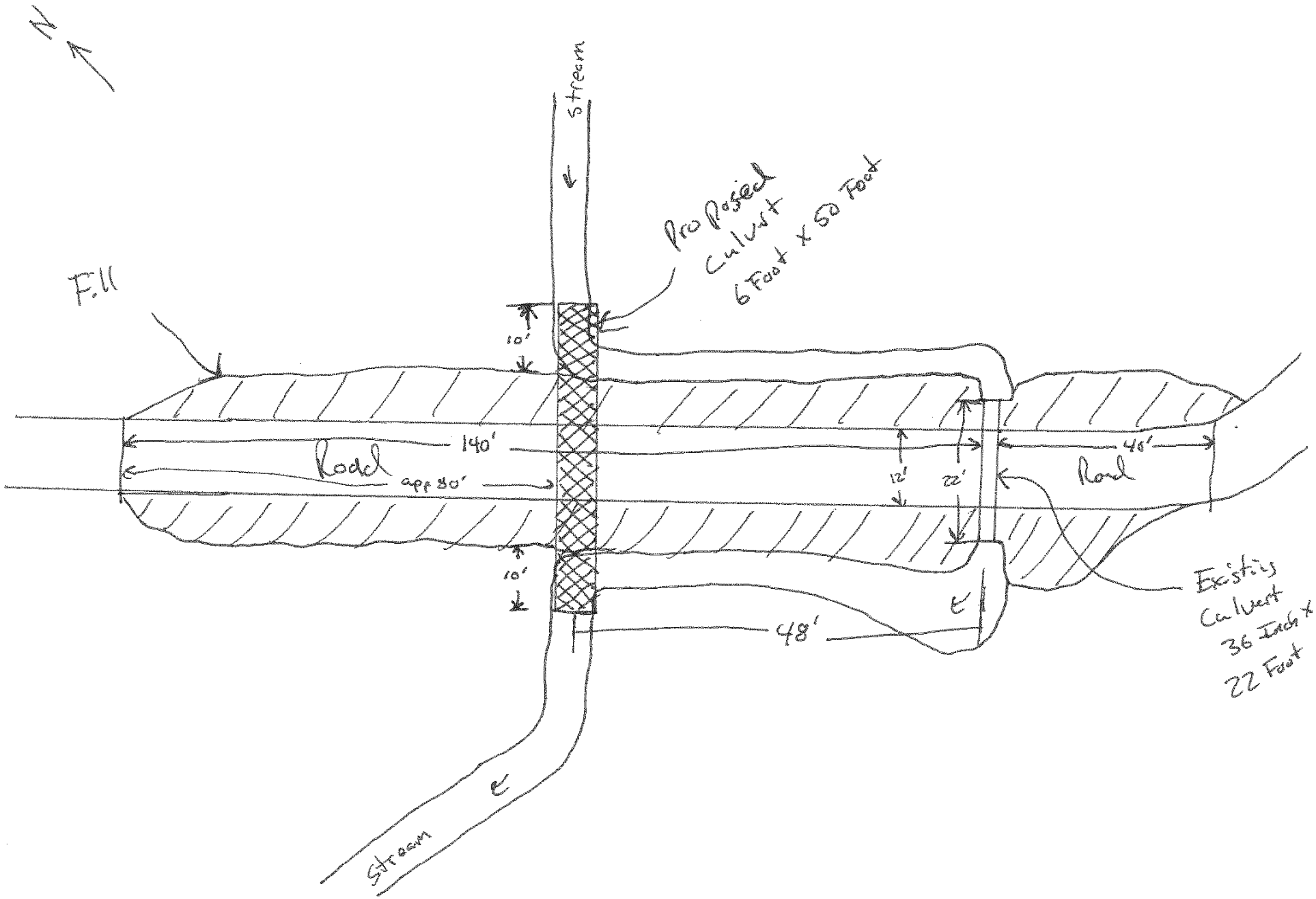
A = Aspen	J = Jack Pine	O = Oak	U = Upland Brush
B = Paper Birch	K = Rock	P = Lowland Poplar	UM = Upland Mix Forest
C = Cedar	L = Lowland Brush	Q = Mixed Swamp Conifer	V = Bog or Marsh
D = Treed Bog	LM = Lowland Mix Forest	R = Red Pine	W = White Pine
E = Swamp Hardwoods	M = Maple, Beech, Birch	S = Black Spruce	X = Non Stocked
F = Spruce/Fir	MC = Mixed Conifer	T = Tamarack	Y = Sand
G = Grass	MD = Mixed Deciduous		Z = Water
H = Hemlock	N = Marsh		

Density

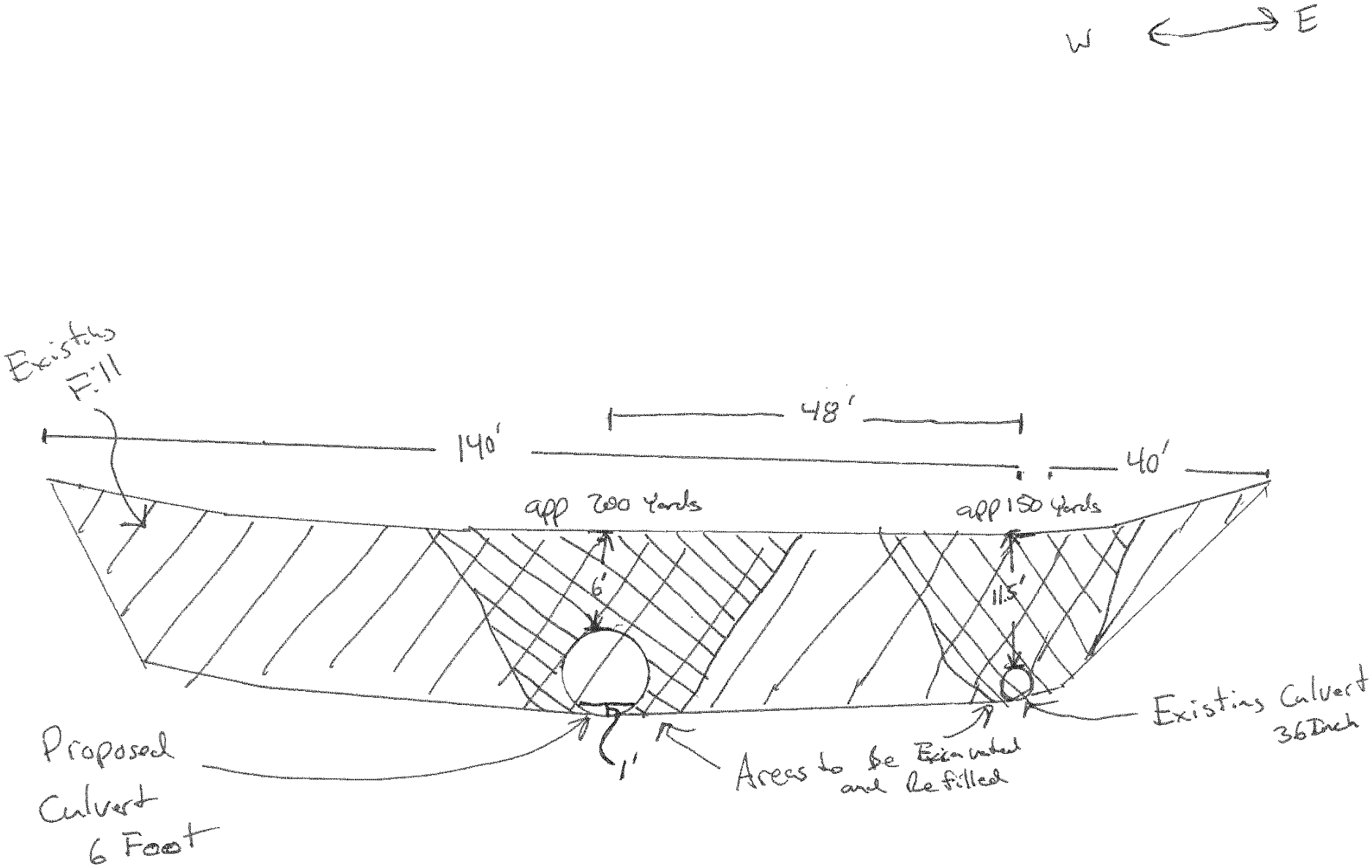
0 = Non Stocked	5 = Pole Timber Medium
1 = Seedling Sapling Poor	6 = Pole Timber Well
2 = Seedling Sapling Medium	7 = Saw Timber Poor
3 = Seedling Sapling Well	8 = Saw Timber Medium
4 = Pole Timber Poor	9 = Saw Timber Well



Indiana Mine Mix							
Ontonagon - Compartment 67							
UNIT	1	2	3	4	5	6	TOTALS
ACRES	62.2	57.5	4.5	42.1	60.8	63.9	291.0
Sawlogs MBF							
Basswood	28.9	30.3	0.0	22.2	33.7	30.4	145.5
Black Cherry	0.0	0.0	0.0	0.0	0.0	3.5	3.5
Red Maple	3.0	1.5	0.0	1.1	1.3	11.9	18.8
Red Oak	0.0	4.7	0.0	3.4	0.0	0.0	8.1
Sugar Maple	30.7	30.0	0.0	22.0	7.5	6.5	96.7
Yellow Birch	1.1	0.0	0.0	0.0	0.5	0.0	1.6
TOTAL	63.7	66.5	0.0	48.7	43.0	52.3	274.2
Pulpwood CORDS							
Balsam Fir	84	2	0	1	9	129	225
Basswood	276	151	0	110	182	342	1061
Mixed Aspen	31	0	86	0	3	39	159
Mixed Hardwood	623	364	29	266	319	770	2371
Mixed Spruce	37	0	0	0	4	15	56
White Ash	26	0	0	0	0	24	50
TOTAL	1077	517	115	377	517	1319	3922


N
Stream
Proposed Culvert 6 Foot x 50 Foot
Fill
10'
140'
Road
approx 80'
12'
22'
40'
Road
10'
48'
Existing Culvert 36 Inch x 22 Foot
Stream

not to scale


W
E
Existing Fill
140'
48'
40'
app 200 Yards
app 150 Yards
6'
11.5'
1'
Proposed Culvert 6 Foot
Areas to be Excavated and Refilled
Existing Culvert 36 Inch