

SALE OF GOVERNMENT PROPERTY- BID AND AWARD

INVITATION FOR BIDS NO.

PAGE NO.

*(See SF 114C for Privacy Act Statement)***DACW38-9-20-45****1**

ISSUED BY			ADDRESS YOUR BID TO:		
REAL ESTATE DIVISION FOR INFORMATION CONTACT:			AGENCY'S NAME		BUREAU/SERVICE/OFFICE
			USAED		VICKSBURG
NAME			STREET ADDRESS		
ANGELA M. WILLIAMS			4155 CLAY STREET		
TELEPHONE			CITY	STATE	ZIP CODE
			VICKSBURG	MS	39183-3435
AREA CODE	NUMBER	EXTENSION	PLACE		
(601)	631-5230		ROOM 203		
E-MAIL ADDRESS			BIDS WILL BE OPENED AT		TIME
Angela.M.Williams@usace.army.mil			August 5, 2020		2:30 p.m.

SEALED BIDS

Sealed bids for purchasing any or all items listed on the accompanying schedule, will be received at the place designated above until the date and time specified above and at that time publicly opened. *(Copies of the below mentioned forms, if not attached, are on file at the issuing office and are available upon request).* Bidder is required to pay for any or all of the items listed on the Item Bid page(s) as part of this Bid, at the price sent opposite each.

NO. OF COPIES

3
(Pages 1-4)**SUBJECT TO**

SF 114C, General Sale Terms and Conditions		Incorporated by reference:
Other Special Terms and Conditions Attached		
BID DEPOSIT REQUIRED	IF "YES", PERCENTAGE OF TOTAL BID	DEPOSIT MADE PAYABLE TO
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	20%	"FAO, USAED"
		PAYMENT DUE (Calendar Days)
		5 Aug 2020
		REMOVAL OF PROPERTY (Calendar Days)
		30 March 2023

BID (Completed by Bidder)

In compliance with the above, the undersigned offers and agrees, if this Bid is accepted (60 calendar days if no period is specified by the Government or the Bidder, but not less than 10 calendar days in any case) after date of Bid opening, to pay for and remove the property.

BID ACCEPTANCE (Calendar Days)	TOTAL AMOUNT	DEPOSIT ATTACHED <input type="checkbox"/> YES <input type="checkbox"/> NO	DEPOSIT FORM(S)	AMOUNT OF DEPOSIT
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BIDDER REPRESENTS THAT: (Check appropriate boxes)			BIDDER REPRESENTS THAT: (Check appropriate boxes) (Complete if the total amount of the bid(s) exceeds \$25,000.)		
ACTION	YES	NO	ACTION	YES	NO
Property was inspected			Bidder paid or agreed to pay any company or person (other than a full-time, bona fide employee working solely for the Bidder) any fee, commission, percentage or brokerage fee, contingent upon or resulting from the award of this contract.		
Bidder is an individual					
Bidder is a small business. (See CFR, title 13, Chapter 1, Part 121, Sec. 121.3-9, for the definition of small business.)			Bidder agreed to furnish information relating to use of a company or person in securing or soliciting contract as requested by the Chief, Real Estate Division.		
Bidder employed or retained any company or person (other than a full-time, bona fide employee working solely for the Bidder) to solicit or secure this contract.					

BIDDER'S INFORMATION	NAME			BIDDER ID NUMBER		BIDDER'S TIN/SOCIAL SECURITY NO.	
	STREET			SIGNATURE OF PERSON AUTHORIZED TO SIGN THIS BID		DATE OF BID	
	CITY	STATE	ZIP CODE				
	TELEPHONE	AREA CODE	PHONE	EXTENSION	NAME OF SIGNER (Type or print)	JOB TITLE OF SIGNER (Type or print)	

ACCEPTANCE BY THE GOVERNMENT (This section for Government Use Only)

ACCEPTED AS TO ITEM(S) NUMBERED	AMOUNT(\$)	CONTRACT NUMBER(S)
BY - UNITED STATES OF AMERICA	NAME (Type or print)	
	CHRYSTAL SPOKANE	
DATE OF ACCEPTANCE	JOB TITLE (Type or print)	
	CHIEF, REAL ESTATE DIVISION	

BID SHEET
U.S. ARMY CORPS OF ENGINEERS – CUIVRE AND DARDENNE
ISLANDS, MISSOURI

IFB #: _____

BID OPENING DATE: _____

BIDDER: _____

SALE AREA 1 Cuivre Island, Missouri	Quantity	BID
26 ACRES The timber sale area is located in Land Grant 3288, Lincoln County, MO. The timber sale contains approximately 26 acres.	977.76 MBF 643.99 cords	\$_____._____/ MBF Mixed Hardwood Sawtimber \$_____._____/ cord Hardwood Pulpwood
Sale Area 2 Dardenne Island, Missouri 21 ACRES The timber sale area is located in the NW 1/4 of the NW 1/4 of S3, T47N, R04E, St Charels County, MO. The timber sale contains approximately 21 acres.	442.79 MBF 437.93 cords	

CERTIFICATE OF CORPORATE BIDDER

I, _____(name), certify that I am the
_____(position) of the corporation named as bidder herein;
that _____(name) who signed this bid on behalf of the bidder was
then the _____(position) of said corporation; that said bid was
duly signed for and in behalf of said corporation by authority of its governing body and is
within the scope of its corporate powers.

BY:

AFFIX

CORPORATE

SEAL

NAME

TITLE

CERTIFICATE AS TO SMALL BUSINESS STATUS

The bidder certifies that he (is) (is not) a small business concern within the terms of the following definition: In sales of Army forest timber a "small business" is a concern that: (1) is primarily engaged in the logging or forest products industry; (2) is independently owned and operated; (3) is not dominant in its field of operation; and (4) together with its affiliates does not employ more than 500 persons.

(From 13 CFR 121.3-9 b), Rev. 29
Rev. 29 Fed. Reg. 2988, 5 Mar 64)

Date

Signature of Bidder

Intentional falsification of this certificate is a criminal offense punishable by a fine of not more than \$5,000 or by imprisonment for not more than two years, or both. (Title 15, United States Code, Section 645 (a).)

INSTRUCTIONS. This certificate must be attached to and is a part of every invitation to bid on the sale of Army timber with an estimated value of \$2,000 or more. Failure to properly execute this certificate will not invalidate a bid, but a proper statement must be signed before the bid is accepted by the Government. Refusal or delay in executing a proper statement is grounds for rejecting the bid.

SPECIAL CONDITIONS

1. **PERSONS EXCLUDED FROM BIDDING:** Officers and enlisted personnel of Armed Forces on active duty, civilian employees of the military establishment, and immediate members of their households, dependents, or agents will be excluded from the field of bidders, and bids from such persons will not be accepted or considered.
2. **FACSIMILE OR TELEGRAPHIC BIDS AND MODIFICATIONS:** Facsimile or telegraphic bids will not be accepted, but modifications by facsimile or telegram of bids already submitted will be considered if received prior to the exact time set for the opening of bids.
3. **LATE BIDS AND MODIFICATIONS OR WITHDRAWALS:** Late bids, modifications of bids, or withdrawals of bids thereof received at the office designated in the invitation for bids after the exact time set for opening of bids shall not be considered unless received before contract award, and either (1) sent by registered or certified mail not later than 5 calendar days before the bid receipt date specified; or (2) sent by mail and it is determined by the Government that the late receipt was due solely to mishandling by the Government after receipt at the Government installation; or (3) sent by U. S. Postal Service Express Mail Next Day Service - Post Office to Addressee not later than 5:00 p.m. at the place of mailing 2 working days prior to the date specified for receipt of bids. (The term "working days" excludes weekends and Federal holidays). However, a modification which is received from an otherwise successful bidder and which makes the terms of the bid more favorable to the government will be considered at any time it is received and may thereafter be accepted.
4. **BID PRICE DETERMINATION:** When bids are solicited on more than one item, bidders will insert their individual bid prices in the space provided for each item beginning on page 2. The total bid price for each sale area will be used for the purpose of bid evaluation, award and all phases of contract administration.
5. It will be the duty of each bidder to see that his bid is delivered by the time and at the place prescribed in this invitation. Bids received prior to the time of opening will be securely kept, unopened. The officer whose duty it is to open them will decide when the specified time has arrived. No responsibility will attach to an officer for the premature opening of a bid not properly addressed and identified.

6. Sealed bids (pages 1-4 inclusive) shall be submitted **IN TRIPLICATE** in a sealed envelope addressed to:

**District Engineer
Vicksburg District
U. S. Army Corps of Engineers
ATTN: CEMVK-RE-M (Angela Williams)
4155 Clay Street
Vicksburg, Mississippi 39183-3435**

and plainly marked in the lower left-hand corner of envelope as follows:

**ATTN: Real Estate Division
BID FOR TIMBER - Inv. No. DACW38-9-20-45
TO BE OPENED AT - 2:30 p.m., Wednesday, August 5, 2020, Room 203**

FAILURE TO PROPERLY ADDRESS AND IDENTIFY SEALED BID MAY RESULT IN FORFEITURE OF BID.

7. The Purchaser, for himself, his successors, and heirs, hereby releases the United States and its officers, agents, or employees from all claim or claims for damages or injury in connection with use of the premises as herein contemplated either to person or property, arising or to arise, from operations of the Government, or from floods of any kind or character, or arising from or incident to any other Governmental activity, and provide further that said release from damages shall extend to any "act of God."

8. The Purchaser will assume responsibility and liability for all injuries to persons or damages to property directly or indirectly due to, or arising out of, the operations of the Purchaser under this contract and the Purchaser agrees to indemnify and save harmless the United States against any and all claims of whatsoever kind and nature due to, or arising out of, this contract area.

9. Specific contract conditions are listed below:

a. The two timber sale areas will be advertised under one Invitation for Bids (IFB) and awarded as a single item. The two timber sale areas are to be included in a single lump sum bid. **Prospective bidders will be required to bid on all of the sales areas.** Bidders must insert their individual bid price on the space provided for each product. A bid sheet is enclosed. **The bidder must complete the harvest at both sites.** Sale Area 1 consists of a 26-acre regeneration harvest using the seed-tree method. The objective of this harvest is to also promote conditions for the establishment of early successional forest.

b. Trees to be harvested are marked with blue tree marking paint at eye level. All trees marked with blue paint are to be felled. All woody material will be removed

from site to facilitate seed catch from seed trees. All timber sale boundaries are marked with yellow tree marking paint at eye level. Orange ribbon will also be tied to boundary trees to further facilitate identification. Retained trees are marked with red tree marking paint at eye level and on the stump. Cutting of red painted trees shall not be permitted.

c. All standing snags greater than 12 inches DBH will be left standing, regardless of tree marking paint.

d. Maximum stump height will be 18 inches from ground level.

e. **Specific Requirements and Equipment Limitations:**

i. Sale Area 1. Cuivre Island – 26 acres. Notify project forester prior to logging. Placement of barge landing sites, loading decks, and skid trails/haul roads will be coordinated with project forester prior to placement. Access from or across private lands will be the responsibility of the buyer. No wet weather logging will be permitted. All haul roads and decks will be cleaned, smoothed and seeded upon completion.

ii. Sale Area 2. Dardenne Island –21 acres. Notify project forester prior to logging. Placement of barge landing sites, loading decks, and skid trails/haul roads will be coordinated with project forester prior to placement. Access from or across private lands will be the responsibility of the buyer. No wet weather logging will be permitted. All haul roads and decks will be cleaned, smoothed and seeded upon completion.

f. All tree cutting activities will take place between 01 October and 31 March of any given year, during the non-active roost season for woodland bat species.

g. Felling, skidding, and hauling operations shall be executed in a safe and prudent manner in order to minimize damages to the forest soils and residual stand. Excessively damaged residual trees, or non-designated cut trees, will be sold to the purchaser at rates equal to double stumpage values. The project forester will regularly inspect the purchaser's harvesting operations for contract compliance. The purchaser shall pay the original per unit bid price if the project forester approves the removal of additional trees while the contract is in effect.

h. Slash may be concentrated and burned on site.

i. Construction or repair of temporary haul roads will be the responsibility of the purchaser. Equipment and materials used to construct or repair temporary haul roads shall be supplied by the purchaser. The purchaser shall be responsible for obtaining permits or easements from state or county road departments, if required.

j. The contract period for these sale areas will expire on **30 March 2023**. The purchaser(s) shall cut and remove all timber and complete all associated work on the sale areas within the contract period. An extension may be granted by the Government at 10 percent of the purchase price if written request(s) are made and

considered to be in the best interest of the Government. The buyer shall submit such request(s) to the Chief of Real Estate Division, or a designated representative, at least 10 days before the sale expiration.

k. Harvest operations may be temporarily halted by the project forester if logging operations become poor enough to cause permanent site and soil degradation (wet ground conditions). The operation of equipment will not be permitted when the site is wet enough to cause severe rutting.

l. All ferry/barge landing sites, staging areas, primary skid trails, stream/slough crossings, and haul roads must be approved by the project forester prior to placement.

m. The purchaser will assume responsibility and liability for the restoration of all haul roads, primary skid trails, and staging areas that are utilized in the timber harvest operations. The purchaser shall ensure that the logging roads and log sets are smoothed when harvesting is complete. Berms and/or water bars will be constructed and/or replaced on haul roads and primary skid trails where soil erosion may occur. The purchaser shall apply seed to sets and haul roads when logging is complete, if required by the project forester. The seed type shall be suited to the season when logging is complete. The Government may require the purchaser to delay seed application in the absence of adequate ground moisture or excessive flooding. The purchaser shall remove slash (tops and limbs) and other logging debris from stream channels and the rights-of-way of improved roads on a daily basis.

n. It will be the responsibility of the purchaser to ensure that the work sites are left free of litter and debris that normally occur during timber harvest operations. The purchaser shall prevent the spillage of any oil, fluid, or other contaminants onto the ground or into waterways during harvesting operations. Any such material will be collected and properly disposed of off Government property.

o. The purchaser shall ensure that all workers engaged in timber harvesting operations on Corps property utilize appropriate safety apparel and equipment in accordance with the State of Missouri workman's compensation laws.

p. The project forester must be notified prior to commencing harvesting operations.

q. The purchaser will assume complete responsibility and liability for any damages that may arise due to negligence in the operation.

r. The project forester may immediately halt harvesting if deemed necessary by noncompliance with these harvesting specifications.

s. Temporary traffic control signs shall be posted to provide warning to vehicle operators of potentially hazardous conditions associated with the harvesting operation, if requested by the project forester. Signs shall be posted at least 500 feet on either

side of locations where log trucks enter main public roadways. The purchaser shall remove all signs upon completion of harvesting.

t. Mr. Robert Cosgriff, Forester, is available to answer any questions and arrange for show-me times and dates. Interested buyers should contact Mr. Cosgriff at (618) 792-5479.

11. This Invitation, Bid and Acceptance, including all the terms and conditions set forth herein, when accepted by the Government shall constitute the contract of sale between the successful bidder and the Government. Such agreement shall constitute the whole contract unless modified in writing and signed by both parties. No oral statements or representations made by, for, or ostensibly on behalf of either party shall be part of such contract. Neither this contract, nor any interest therein, shall be transferred or assigned by the successful bidder.

12. In the event of failure of the Purchaser to comply with the terms of this contract of sale, the Government may declare the Purchaser in default and he shall forfeit any and all rights held under this contract.

13. During the time that this agreement remains in force, the Purchaser shall independently do all in his power to prevent and suppress forest fires on the sale area and in its vicinity, and shall require his employees, subcontractors, and employees of subcontractors to do likewise. All trucks and tractors used on this sale operation shall be equipped with suitable mufflers or spark arrestors.

14. Access across other than Government-owned lands will be provided by the Purchaser. Access across Government-owned lands will not injure cropland, pasture, or hayland.

15. Any method of logging other than by those set forth in this invitation may be employed only with the advance approval in writing by the Chief of Real Estate Division and under such conditions and restrictions as he may require. The Contractor will be authorized to build, within the limits of the sale area, temporary roads, structures, and other improvements necessary in the logging of the timber included in this contract; **PROVIDED**, that all such roads, structures, and improvements shall be located and operated subject to such regulations as may be prescribed by the Chief of Real Estate Division.

16. All telephone lines, power lines, gas lines, ditches, and fences, located within or immediately outside the exterior boundaries of the sale area, shall be protected so far as possible in logging operations and if injured shall be repaired immediately by the Purchaser. Roads and trails shall at all times be kept free of logs, brush, and debris resulting from the Purchaser's operations hereunder. Any road or trail used by the Purchaser in connection with this sale that is damaged or injured beyond ordinary wear and tear through such use, shall promptly be repaired by him to its original condition.

17. The Government shall not be liable for delays in operation or for loss or destruction of or damage to property of the Purchaser in connection with this contract caused by any of the following perils: fire, lightning, windstorm, cyclone, tornado, hail, explosion, riot, riot attending a strike, vandalism and malicious mischief, earthquake or floods, meaning thereby rising of rivers, streams, and the operation of the reservoir for flood control purposes.

18. Notice by the Government of acceptance of the bid, if not personally made to the successful bidder or a duly authorized representative of such bidder, shall be deemed to have been sufficiently given when mailed in a postpaid or franked envelope to the bidder at the address indicated in this bid.

19. Neither this contract nor any interest therein shall be assigned or transferred by the Purchaser to any other party. (Section 3737, Revised Statutes, as amended; 41 U.S.C. 15.)

20. During the performance of this contract, the Contractor agrees as follows:

a. The Contractor will not discriminate against any employee or applicant for employment because of race, color, religion, sex, physical handicap, or national origin. The Contractor will take affirmative action to ensure that applicants are employed, and that employees are treated fairly during employment, without regard to their race, color, religion, sex, physical handicap, or national origin. Such action shall include but not be limited to the following: employment, upgrading, demotion or transfer, recruitment or recruitment advertising, layoff or termination, rates of pay or other forms of compensation, and selection for training, including apprenticeship. The Contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided by the Chief of Real Estate Division setting forth the provisions of this Equal Opportunity clause.

b. The Contractor will, in all solicitations or advertisements for employees placed by or on behalf of the Contractor, state that all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, physical handicap, or national origin.

c. The Contractor will send to each labor union or representative of workers with which he has a collective bargaining agreement or other contract or understanding, a notice to be provided by the agency Chief of Real Estate Division advising the labor union or workers' representative of the Contractor's commitments under this Equal Opportunity clause and shall post copies of the notice in conspicuous places available to employees and applicants for employment.

d. The Contractor will furnish all information and reports required by Executive Order No. 11246 of September 24, 1965, as amended by Executive Order No. 11375 of October 13, 1967, and by the rules, regulations, and orders of the Secretary of Labor or pursuant thereto, and will permit access to his books, records, and accounts by the

contracting agency and the Secretary of Labor for purposes of investigation to ascertain compliance with such rules, regulations, and orders.

e. In the event of the Contractor's noncompliance with the Equal Opportunity clause of this contract or with any of the said rules, regulations, or orders, this contract may be canceled, terminated, or suspended in whole or in part, and the Contractor may be declared ineligible for further Government contracts in accordance with procedures authorized in Executive Order No. 11246 of September 24, 1965, as amended by Executive Order No. 11375 of October 13, 1967, and such other sanctions may be imposed and remedies invoked as provided in Executive Order No. 11375 of October 13, 1967, or by rule, regulation, or order of the Secretary of Labor, or as otherwise provided by law.

f. The Contractor will include the provisions of paragraphs a through e in every subcontract or purchase order unless exempted by rules, regulations, or orders of the Secretary of Labor issued pursuant to Section 204 of Executive Order No. 11246 of September 24, 1965, as amended by Executive Order No. 11375 of October 13, 1967, so that such provisions will be binding upon each subcontractor or vendor. The Contractor will take such action with respect to any subcontract or purchase order as the contracting agency may direct as a means of enforcing such provisions including sanctions for noncompliance; **PROVIDED**, however, that in the event the Contractor becomes involved in, or is threatened with, litigation with a subcontractor or vendor as a result of such direction by the contracting agency, the Contractor may request the United States to enter into such litigation to protect the interests of the United States.

21. A bid executed by an attorney or agent on behalf of the bidder must be accompanied by copies of his Power of Attorney or other evidence of his authority to act on behalf of the bidder. If the bidder is a corporation, the **CERTIFICATE OF CORPORATE BIDDER** must be executed. If the bid is signed by the secretary of the corporation, the **CERTIFICATE** must be executed by some other officer of the corporation under the corporate seal. In lieu of the **CERTIFICATE OF CORPORATE BIDDER**, there may be attached to the bid copies of so much of the records of the corporation as will show the official character and authority of the officer signing, duly certified by the secretary or assistant secretary, under the corporate seal, to be true copies.

22. The right is reserved, as the interest of the Government may require, to reject any or all bids, to waive any defect or informality in bids received, and to accept or reject any bid or portion thereof.

23. Except as otherwise provided in this Invitation, Bid, and Acceptance, any dispute concerning a question of fact arising under this invitation, which is not disposed of by agreement, shall be decided by the Chief of Real Estate Division who shall reduce his decision to writing and mail or otherwise furnish a copy thereof to the Purchaser. The decision of the Chief of Real Estate Division shall be final and conclusive unless within 30 calendar days from the date of receipt of such copy the Purchaser mails or otherwise

furnishes to the Chief of Real Estate Division written appeal addressed to the Secretary of the Army. The decision of the Secretary or his duly authorized representative for the determination of such appeals shall be final and conclusive unless determined by a court of competent jurisdiction to have been fraudulent, or capricious, or arbitrary, or so grossly erroneous as necessarily to imply bad faith, or not supported by substantial evidence. In connection with any appeal proceeding under this clause, the Purchaser shall be afforded an opportunity to be heard and to offer evidence in support of his appeal. Pending final decision of a dispute hereunder, the Purchaser shall proceed diligently with the performance of the contract and in accordance with the Chief of Real Estate Division's decision. This condition does not preclude consideration of law questions in connection with those decisions; provided, that nothing in this contract shall be construed as making final the decision of any administrative official, representative, or board on the question of law.

24. Any awarded contract may be subject to Executive Order 13658 and Executive Order 13706.

25. Additional copies of this advertisement may be obtained from the Real Estate Division, Vicksburg District, U.S. Army Corps of Engineers, 4155 Clay Street, Vicksburg, Mississippi 39183-3435, or by calling Angela Williams at (601) 631-5230 (office) or (601) 831-0172 (cell). Please contact Mr. Robert Cosgriff at (618) 792-5479 for any questions regarding this timber sale.

AUTHORITY FOR SALE: Federal Property and Administrative Services Act of 1949, as amended (40 USC 471, et seq.) and ER 405-1-12, Chapter 11.

Sale Area 1

TIMBER SALE INFORMATION SHEET

Rivers Project Office, Cuivre Island, Stand 26 02JAN2020

Location to Nearest Quarter Section and Topographic Feature:

Sale Area 1 is located on Cuivre Island on the Mississippi River between River Miles 235-238. It is 26 acres within Land Grant 3288, Lincoln County, MO.

System of Tree Marking:

Trees to be harvested are marked with blue tree marking paint at eye level. All trees marked with blue paint are to be felled. All woody material will be removed from site to facilitate seed catch from seed trees. Retained trees are marked with red tree marking paint at eye level and on the stump. Cutting of red painted trees shall not be permitted.

System of Boundary Marking

All timber sale boundaries are marked with yellow tree marking paint at eye level. Orange ribbon will also be tied to boundary trees to further facilitate identification.

Volume by Species:

Approximate volumes are 977.76 MBF hardwood sawtimber and 643.99 cords mixed hardwood pulpwood.

Purpose of Sale:

This sale is to reset conditions for the establishment of early successional forest. The regeneration harvest will remove all woody stems and retain approximately 4 trees/acre or 10-25 ft² BA/acre of seed trees to reforest the site.

Possible Show-Me Time, Date and Location:

Tuesday through Friday from 0700 to 17300.

Contact Robert Cosgriff at 618-792-5479

Other Information

Notify Project Forester prior to logging. Placement of loading decks will be coordinated with Project Forester prior to placement. Access across private lands will be the responsibility of the buyer. No wet weather logging will be permitted. All haul roads and decks will be cleaned, smoothed and seeded upon completion.

Sale Area 1 Timber Volume Summary

Product: Sawtimber

Species Mixed Hardwood

02JAN2020

	Per Acre			Total (26 Acres)	
DBH	Trees	Basal Area	Board Feet	Trees	Board Feet
10	0.653846	0.378462	13.79846	17	358.76
12	2.653846	1.951962	94.69154	69	2461.98
14	4.307692	4.319462	324.1935	112	8429.03
16	4.5	6.011269	538.1758	117	13992.57
18	4.769231	7.942731	969.3285	124	25202.54
20	3.269231	6.8755	1276.314	85	33184.16
22	3.961538	10.04465	2104.792	103	54724.58
24	3.230769	9.738846	2693.611	84	70033.88
26	2.769231	9.955038	2996.974	72	77921.32
28	2.692308	11.23835	4069.319	70	105802.3
30	1.961538	9.410808	3692.462	51	96004
32	1.653846	8.905654	3379.931	43	87878.21
34	1.692308	10.33938	4395.138	44	114273.6
36	0.923077	6.324115	2685.708	24	69828.4
38	0.730769	5.591769	2681.604	19	69721.7
40	0.5	4.308692	1890.146	13	49143.79
42	0.461538	4.280385	1974.011	12	51324.29
44	0.153846	1.586192	468.1712	4	12172.45
46	0.038462	0.441962	236.3323	1	6144.64
48	0.115385	1.441923	516.845	3	13437.97
50	0	0	0	0	0
52	0.038462	0.567231	354.4615	1	9216
54	0	0	0	0	0
56	0.038462	0.634577	250.0962	1	6502.5
Total	41.11538	122.289	37606.1	1069	977758.7

Product: Pulpwood**Species Mixed Hardwood****02JAN2020**

Cuivre 26	Per Acre			Total (26 Acres)	
DBH	Trees	Basal Area	Cords	Trees	Cords
4	5.538462	0.53803846	0.304615	144	7.92
6	15.69231	2.63142308	1.024615	408	26.64
8	12.38462	3.90315385	1.440769	322	37.46
10	10.19231	5.06742308	1.930192	265	50.085
12	6	4.36573077	1.77	156	46.02
14	5.192308	5.28407692	2.348654	135	61.065
16	2.730769	3.57430769	1.567115	71	40.745
18	2.153846	3.60323077	1.781154	56	46.31
20	0.846154	1.752	0.907692	22	21.6
22	0.923077	2.33315385	1.176923	24	28.6
24	0.423077	1.25119231	0.607692	11	13.8
26	0.269231	0.94984615	0.45	7	9.7
28	0.230769	0.95115385	0.45	6	10.7
30	0.076923	0.36523077	0.169231	2	4.4
32	0.230769	1.24665385	0.519231	6	13.5
34	0.038462	0.24107692	0.086538	1	2.25
36	0	0	0	0	0
38	0	0	0	0	0
40	0.076923	0.65469231	0.173077	2	4.5
42	0	0	0	0	0
44	0	0	0	0	0
46	0.038462	0.42480769	0.086538	1	2.25
48	0	0	0	0	0
50	0	0	0	0	0
52	0	0	0	0	0
54	0.038462	0.58926923	0.086538	1	2.25
Total	63.07692	39.7264615	16.88058	1640	429.795

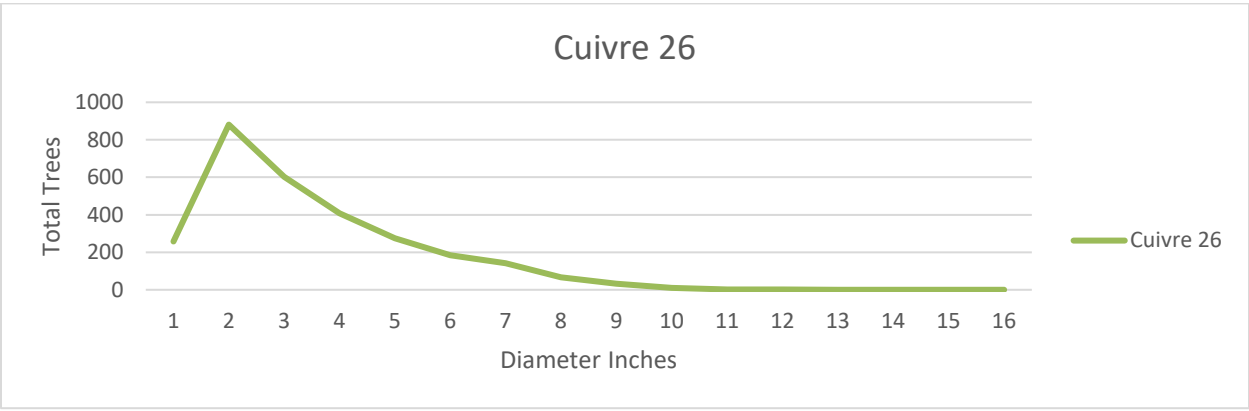
Number of 16 foot logs by species (includes retained trees)

	Number of 16 foot logs											
Species	0.5	1	1.5	2	2.5	3	3.5	4	4.5	5	5.5	
American elm	30	23	9	3	1	0	0	0	0	0	0	
Boxelder	83	48	6	2	0	0	0	0	0	0	0	
Eastern cottonwood	0	4	9	53	83	126	77	35	7	2	1	
green ash	7	12	13	10	7	7	1	0	0	0	0	

hackberry	1	0	0	0	0	0	0	0	0	0	0	
Kentucky coffeetree	0	1	0	0	0	0	0	0	0	0	0	
pecan	0	0	1	0	0	1	0	0	0	0	0	
pin oak	0	0	0	0	1	0	0	0	1	0	0	
silver maple	112	145	77	86	26	16	3	0	0	0	0	
sycamore	0	2	0	0	1	0	0	0	0	0	0	
water locust	0	2	0	0	0	0	0	0	0	0	0	
Total	233	237	115	154	119	150	81	35	8	2	1	
Total Logs	116.5	237	172.5	308	297.5	450	283.5	140	36	10	5.5	2056.5

Volume by Species

Species	% Cut	% Retain	N	Volume_Doyle	Volume_Scribner	Pulp Cords
American elm	100	0	933	7979.345	9203.867	94.915
boxelder	99.82	0.18	542	15028.4	17125.06	162.985
Eastern cottonwood	84.72	15.28	445	705704.6	668614.8	56.6
green ash	100	0	130	32394.21	32789.49	11.155
hackberry	11.27	88.73	71	0	0	0.51
honey locust	100	0	2	0	0	1.635
Kentucky coffeetree	0	100	7	0	0	0
red muhlberry	100	0	8	0	0	0.44
pecan	0	100	2	0	0	0
persimmon	0	100	1	0	0	0
pin oak	0	100	2	0	0	0
silver maple	100	0	691	216300.9	218342.4	101.44
swamp privet	100	0	2	0	0	0.11
sycamore	0	100	9	0	0	0
water locust	100	0	2	351.29	392.4151	0
Total	94.66	5.34	2867	977758.7	946468	429.79



Size Distribution

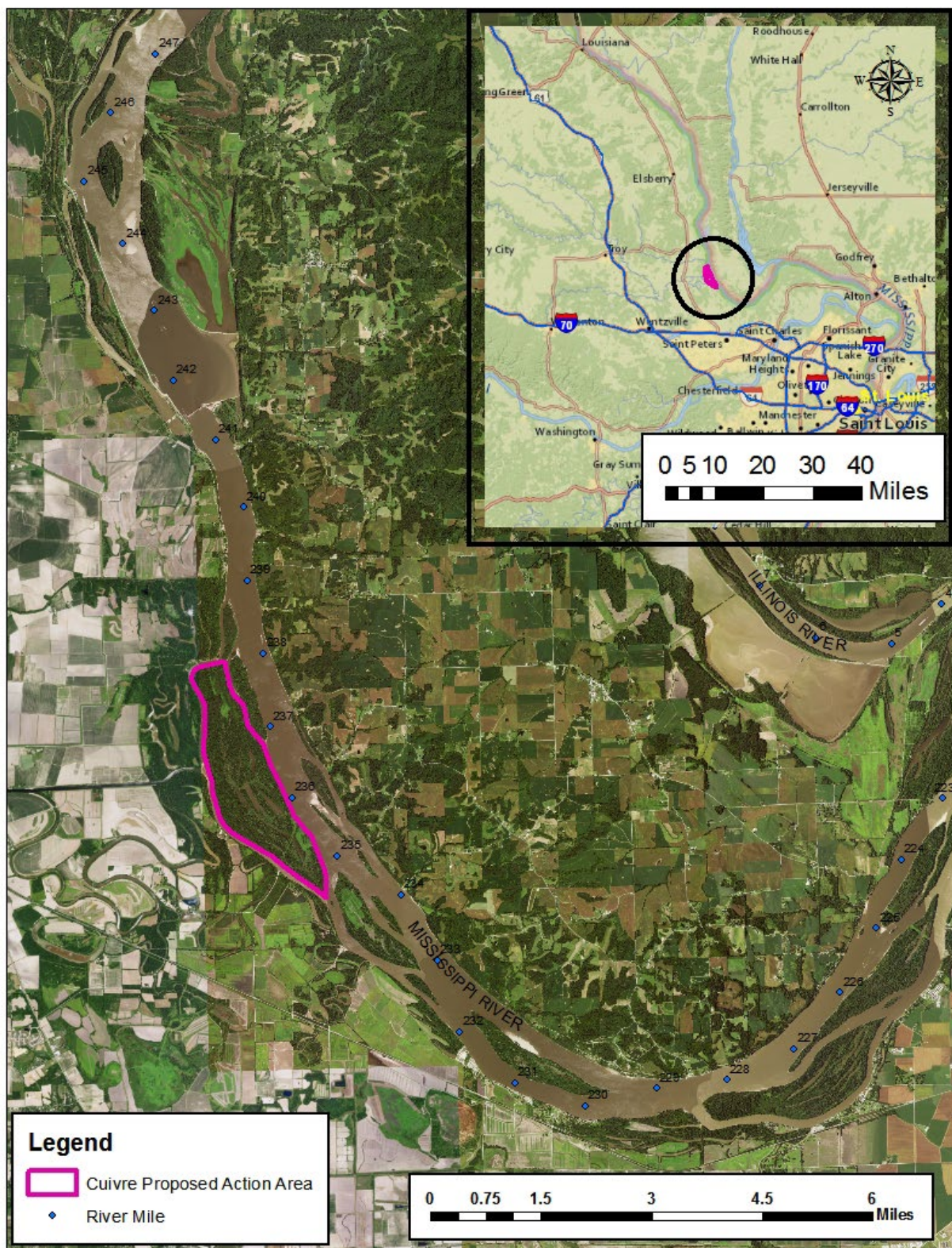


Figure 1. Cuivre Island is located between Mississippi River Miles 235-238 in Lincoln County, MO north-west of St Louis, MO.

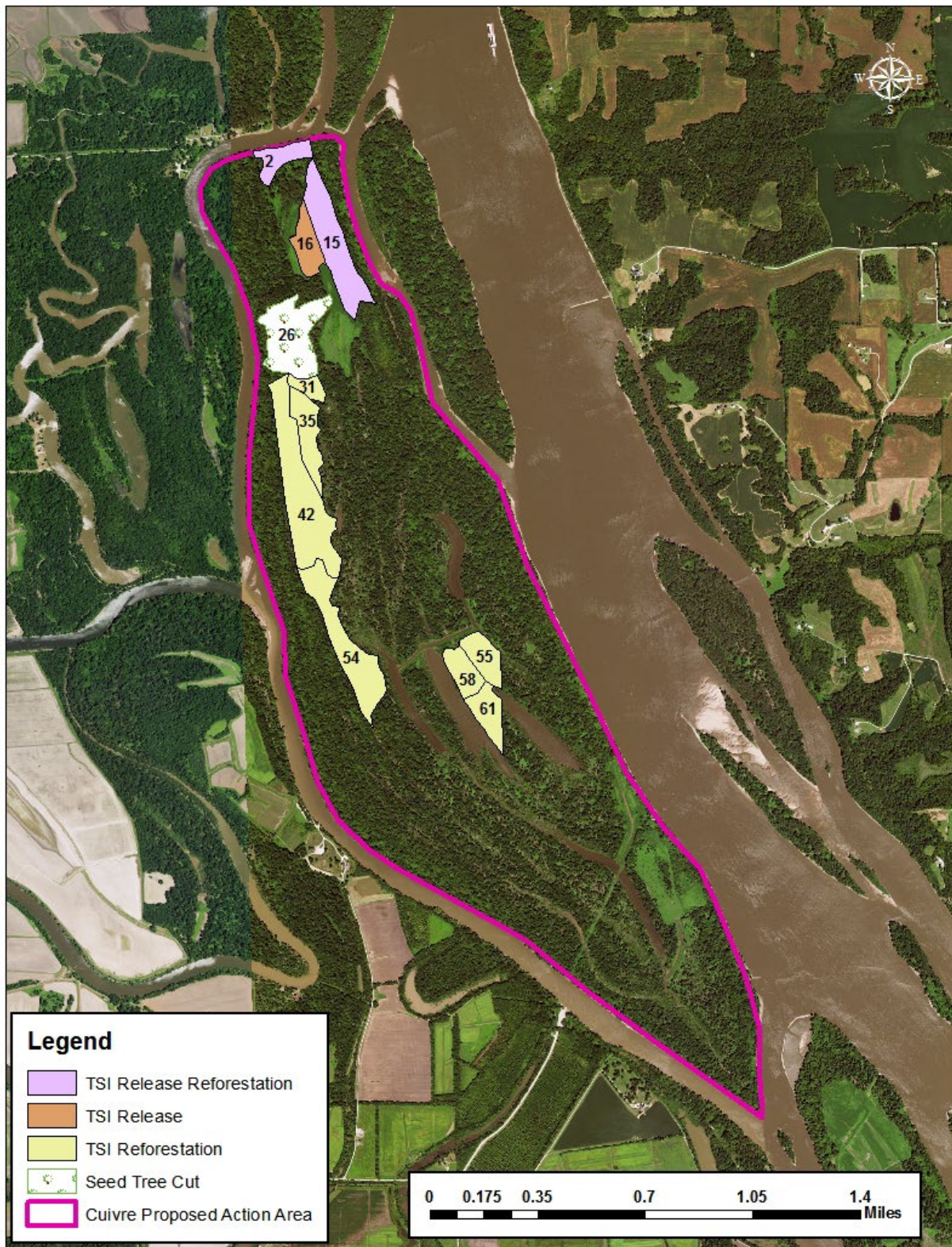


Figure 2. Stand 26 is a 26 acre stand located on the north side of the island.

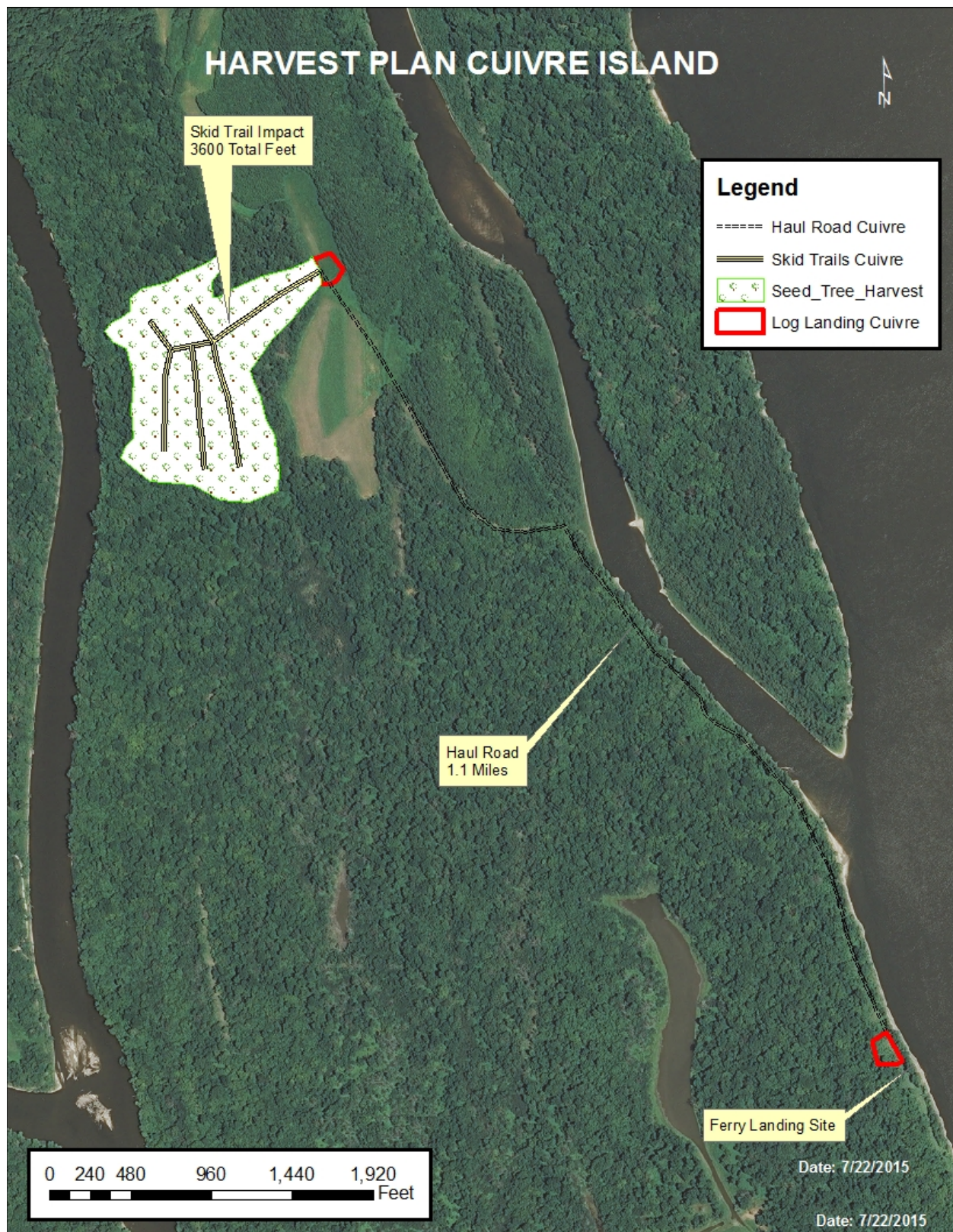


Figure 3. Haul road would be approximately 1.1 miles long, following an existing maintenance road, to a potential ferry landing site.

Sale Area 2

TIMBER SALE INFORMATION SHEET

Rivers Project Office, Dardenne Island, Stand 17 02JAN2020

Location to Nearest Quarter Section and Topographic Feature:

Sale Area 2 is located on Dardenne Island on the Mississippi River between River Miles 226-228.5. It is 21 acres located in the NW ¼ of the NW ¼ of S3, T47N, R04E, St Charles County, MO.

System of Tree Marking:

Trees to be harvested are marked with blue tree marking paint at eye level. All trees marked with blue paint are to be felled. All woody material will be removed from site to facilitate seed catch from seed trees. Retained trees are marked with red tree marking paint at eye level and on the stump. Cutting of red painted trees shall not be permitted.

System of Boundary Marking

All timber sale boundaries are marked with yellow tree marking paint at eye level. Orange ribbon will also be tied to boundary trees to further facilitate identification.

Volume by Species:

Approximate volumes are 442.79 MBF hardwood sawtimber and 437.93 cords mixed hardwood pulpwood.

Purpose of Sale:

This sale is to reset conditions for the establishment of early successional forest. The regeneration harvest will remove all woody stems and retain approximately 4 trees/acre or 10-25 ft² BA/acre of seed trees to reforest the site.

Possible Show-Me Time, Date and Location:

Tuesday through Friday from 0700 to 17300.
Contact Robert Cosgriff at 618-792-5479

Other Information

Notify Project Forester prior to logging. Placement of loading decks will be coordinated with Project Forester prior to placement. Access across private lands will be the responsibility of the buyer. No wet weather logging will be permitted. All haul roads and decks will be cleaned, smoothed and seeded upon completion.

Sale Area 2 Timber Volume Summary

Product: Sawtimber

Species Mixed Hardwood

02JAN2020

Dardenne 17	Per Acre			Total (16 Acres)	
DBH	Trees	Basal Area	Board Feet	Trees	Board Feet
10	0.125	0.072375	3.80375	2	60.86
12	0.5625	0.455938	18.87	9	301.92
14	2.1875	2.20975	117.9619	35	1887.39
16	2.875	3.850313	261.4438	46	4183.1
18	4.125	7.012375	568.2963	66	9092.74
20	3.375	7.033438	783.4725	54	12535.56
22	4.1875	10.589	1313.874	67	21021.98
24	3.6875	11.20513	1638.409	59	26214.55
26	2.9375	10.49325	1660.064	47	26561.02
28	3.375	13.95338	2280.324	54	36485.19
30	3.3125	15.77338	2969.513	53	47512.21
32	2.3125	12.60844	2782.453	37	44519.24
34	1.3125	8.12775	1539.551	21	24632.81
36	1.25	8.623313	2183.342	20	34933.47
38	1.125	8.6715	1907.459	18	30519.35
40	1.1875	10.17313	2828.006	19	45248.1
42	0.4375	4.070563	1351.71	7	21627.36
44	0.5625	5.838688	1667.658	9	26682.52
46	0.25	2.844938	866.1875	4	13859
48	0.0625	0.778875	179.8538	1	2877.66
50	0.0625	0.869313	337.8519	1	5405.63
52	0.0625	0.886625	414.1875	1	6627
Total	39.375	146.1414	27674.29	630	442788.7

Product: Pulpwood**Species Mixed Hardwood****02JAN2020**

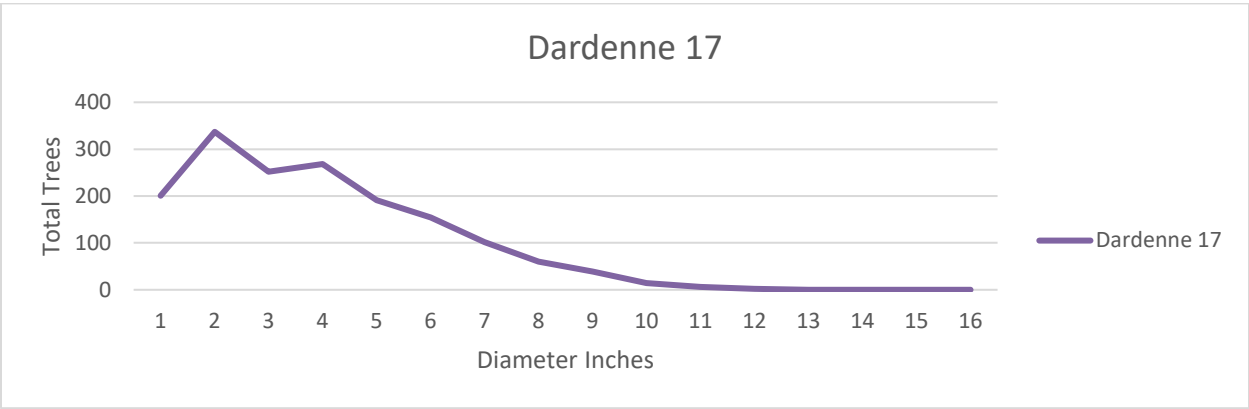
Dardenne 17	Per Acre			Total (16 Acres)	
DBH	Trees	Basal Area	Cords	Trees	Cords
4	8.125	0.81175	0.446875	130	7.15
6	15	2.397688	0.9221875	240	14.755
8	6.5625	1.991	0.666875	105	10.67
10	5.5	2.779	1.00125	88	16.02
12	5.5	4.090125	1.5090625	88	24.145
14	4.25	4.205438	1.648125	68	26.37
16	4.4375	5.854438	2.39375	71	38.3
18	2.4375	4.097813	1.835625	39	29.37
20	1.9375	3.978188	1.9375	31	31
22	0.75	1.877438	0.925	12	14.8
24	1.375	4.099813	1.7	22	27.2
26	0.9375	3.363188	1.509375	15	24.15
28	0.25	1.00525	0.4625	4	7.4
30	0.25	1.221813	0.55625	4	8.9
32	0.5	2.699813	0.984375	8	15.75
34	0.0625	0.394063	0.140625	1	2.25
36	0	0	0	0	0
38	0.0625	0.461625	0.140625	1	2.25
40	0.125	1.104563	0.28125	2	4.5
42	0.0625	0.601313	0.140625	1	2.25
44	0.0625	0.618625	0.140625	1	2.25
46	0	0	0	0	0
48	0	0	0	0	0
50	0.0625	0.83525	0.140625	1	2.25
Total	58.25	48.48819	19.483125	932	311.73

Number of 16 foot logs by species (includes retained trees)

	Number of 16 foot logs							
Species	0.5	1	1.5	2	2.5	3	3.5	
American elm	12	3	0	0	0	0	0	
Boxelder	8	2	0	0	0	0	0	
Eastern cottonwood	3	12	34	65	40	8	1	
green ash	0	0	2	1	1	0	0	
silver maple	167	183	106	24	1	3	0	
sycamore	1	0	1	0	1	0	0	
black willow	4	3	0	0	0	0	0	
Total	195	203	143	90	43	11	1	
Total Logs	97.5	203	214.5	180	107.5	33	3.5	839

Volume by Species

Site	Species	% Cut	% Retain	N	Volume_Doyle	Volume_Scribner	Pulp Cords
Dardenne 17	American elm	100	0	417	980.87	1155.415	44.095
Dardenne 17	boxelder	100	0	50	1037.325	1159.639	20.145
Dardenne 17	Eastern cottonwood	71.74	28.26	184	203788.3	188743.6	35.445
Dardenne 17	green ash	100	0	55	3127.07	3130.529	5.45
Dardenne 17	hackberry	68.18	31.82	22	0	0	0.825
Dardenne 17	red muhlberry	100	0	6	0	0	0.365
Dardenne 17	silver maple	99.75	0.25	815	233018.2	227960.9	202.235
Dardenne 17	sycamore	71.43	28.57	7	408.375	430.4963	0.255
Dardenne 17	white muhlberry	100	0	5	0	0	0.31
Dardenne 17	black willow	100	0	20	428.5	541.299	2.605
	Total	96.13	3.87	1626	442788.6	423121.9	311.73



Size Distribution

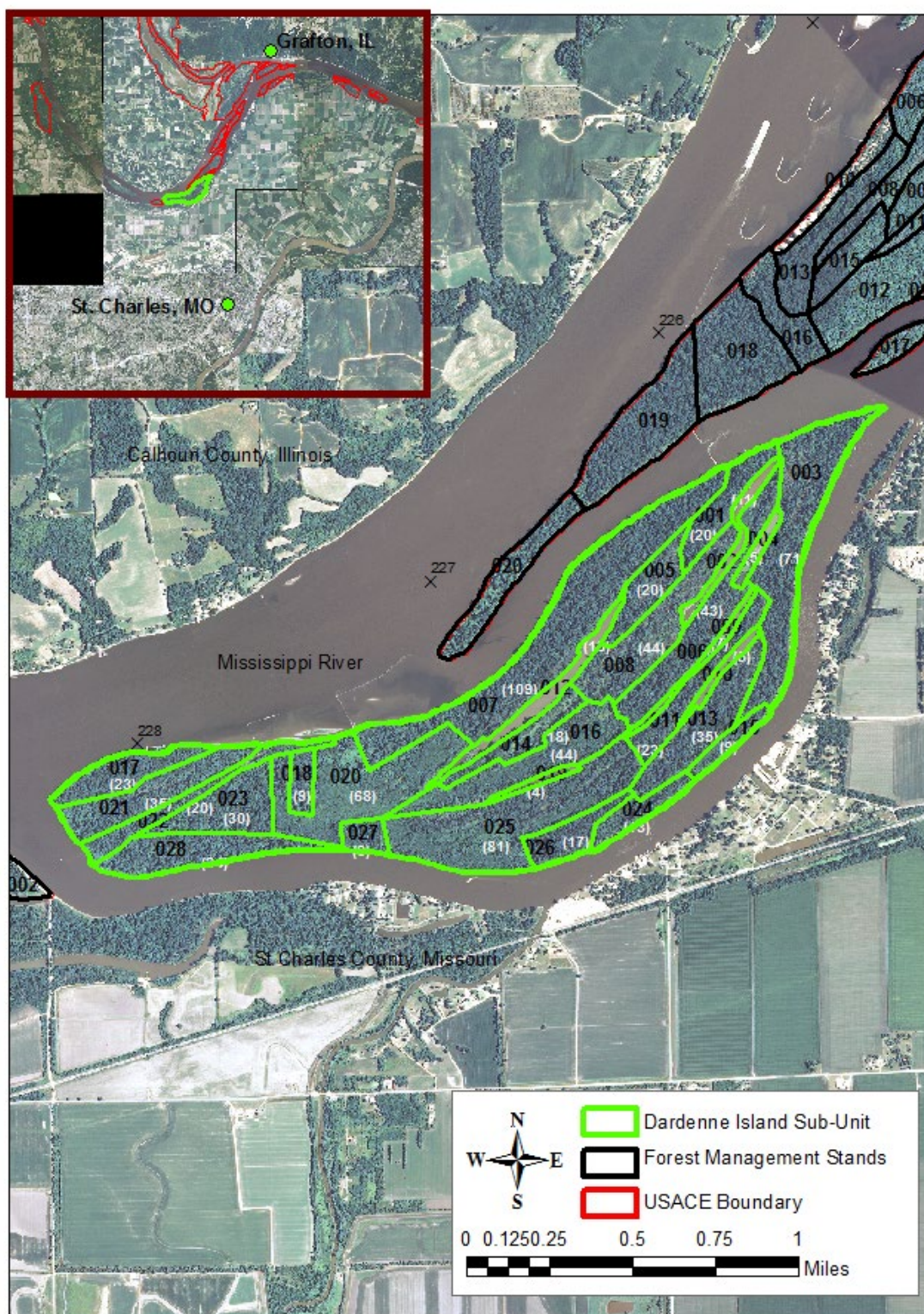


Figure 4. Dardenne Island is located between Mississippi River Mile 225.5 and 228.5 near St. Charles, MO. Numbers in white are stand acres.

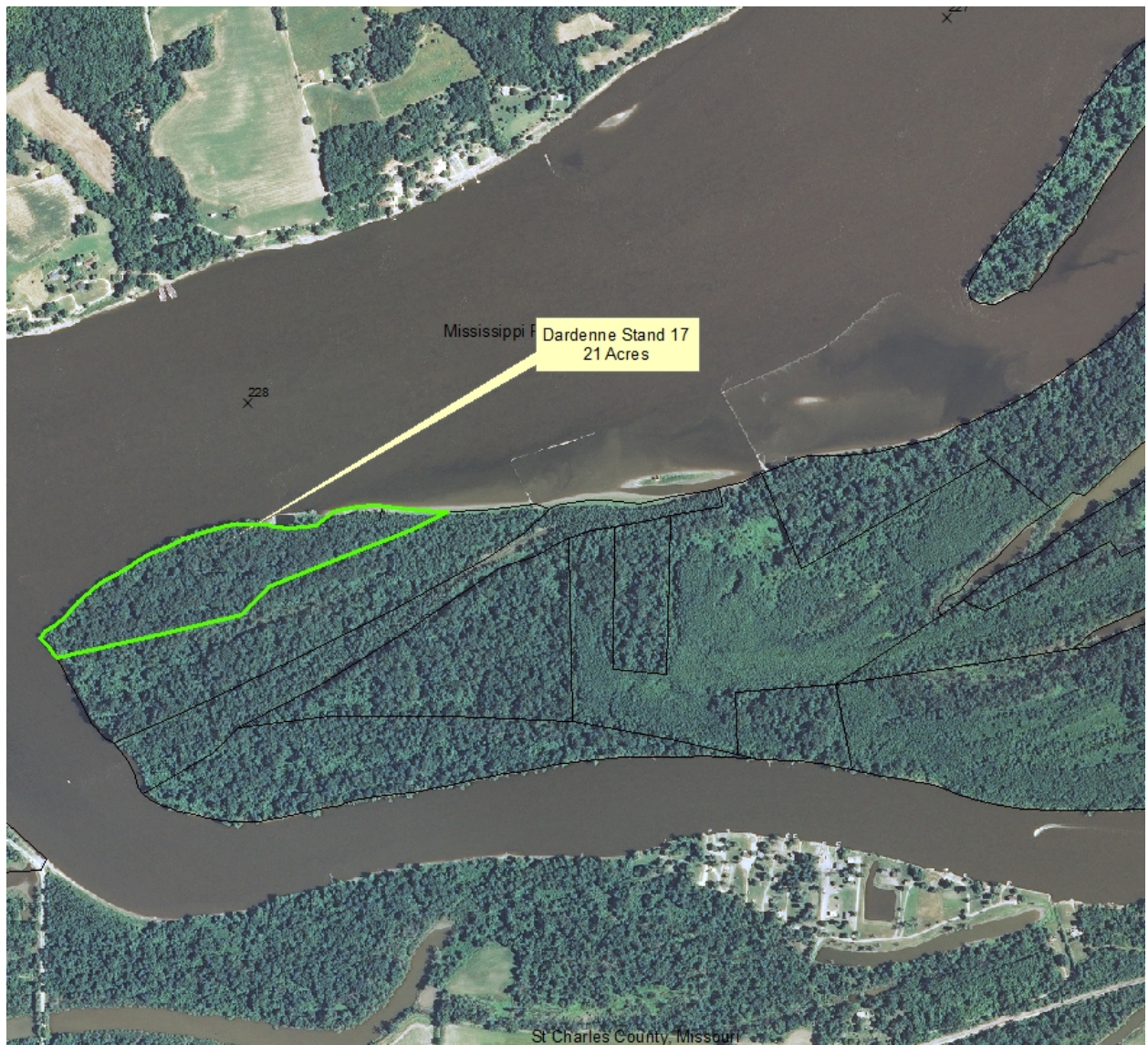


Figure 5. Stand 17 is a 21 acre stand located on the north west side of the island.