

ST. LOUIS COUNTY
TIMBER HARVESTING CONTRACT
C19070023

Page 2

3. Purchaser shall accept total responsibility and accountability for complete harvest of and payment for the total volume of species and timber commodities identified as follows:

ITEM	* PROD	* VOLUME	* UNIT	* UN.PRC	* VALUE
PINE-NORWAY	* P/B	* 35	* CDS	* \$ 10.0000	* \$ 350.00
PINE-JACK	* P/B	* 25	* CDS	* \$ 10.0000	* \$ 250.00
TOTAL SALE VALUE:					\$ 600.00

(See Exhibit "A" for tabulation by block.)

4. Harvesting and tract cleanup shall be completed by MARCH 31ST, 2008 at which time this Contract shall expire. Requests for extensions of the expiration time must be made in writing and shall be granted by the Land Commissioner, in his discretion.

5. Any extensions of time under this Contract or modifications of terms of this Contract shall be in writing, executed by the parties and attached to the original Contract for incorporation.

6. All communications or correspondence occurring under this Contract shall be directed to Douglas Hustad, on behalf of Purchaser, and to Dave Skurka 742-9898, on behalf of Seller, at the address above stated.

IN WITNESS WHEREOF the parties hereto have set their hands the day and date first above shown.

ST. LOUIS COUNTY AUDITOR,

DOUGLAS HUSTAD

BY: Mark Weber
Land Commissioner Representative

BY: Douglas Hustad
Its:

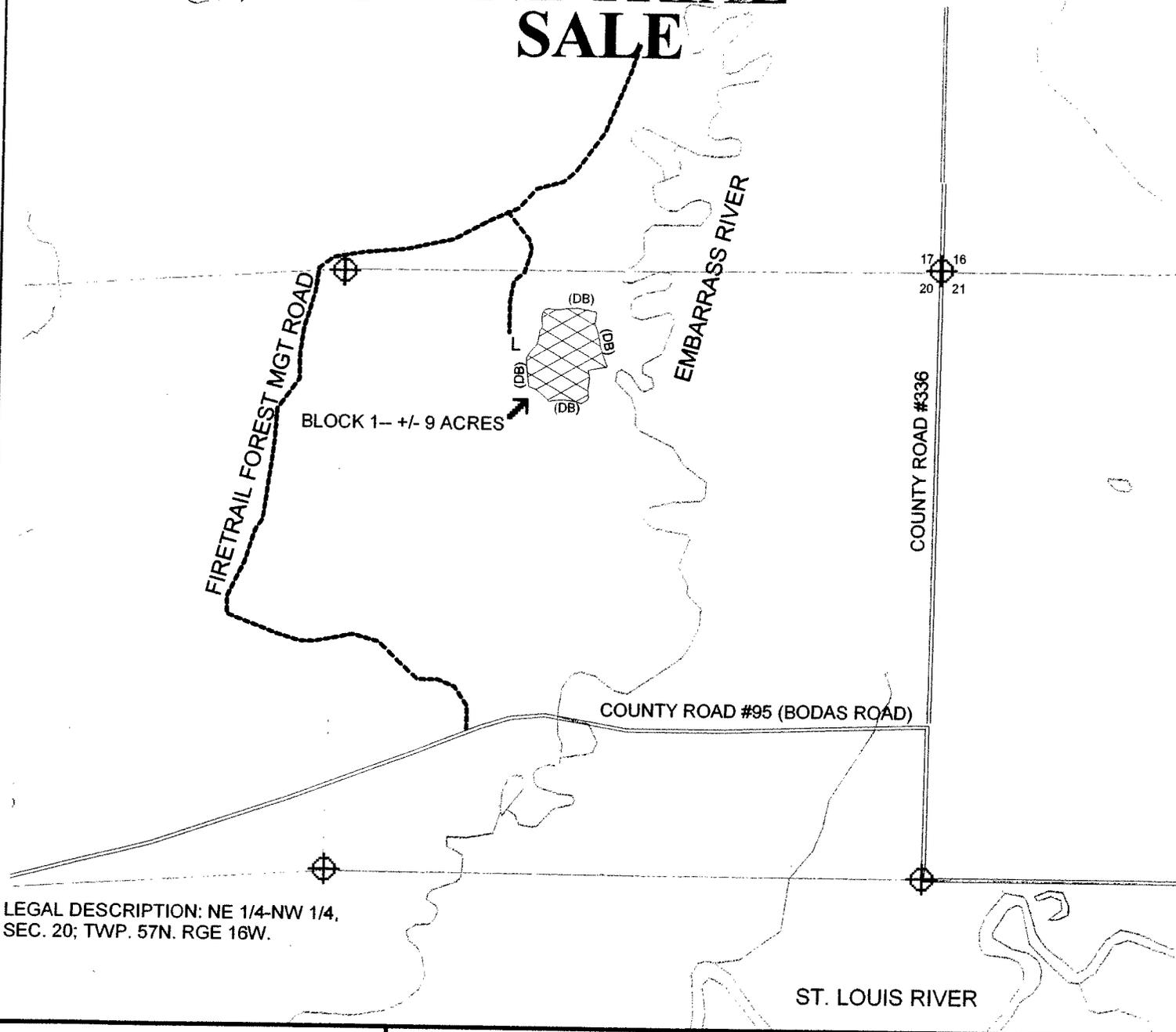
DATE: 10-24-07

ST. LOUIS COUNTY

EXHIBIT C

C19070023

PINE TRIAL SALE



LEGAL DESCRIPTION: NE 1/4-NW 1/4, SEC. 20; TWP. 57N. RGE 16W.

LEGAL: SEC. 20 TWP 57N. RGE 16W.

DATE: 12-21-2006

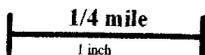
PREPARED BY: CHRIS LINTULA

Photo ID is STL-21-70

This drawing is neither a legally recorded map nor a survey and is not intended to be used as such. This drawing is a compilation of recorded information and data located in various city, county, state, federal offices, and other sources affecting the area and is to be used for the intended purpose only. St. Louis County is not responsible for any incorrectness herein. If inconsistencies are found, please contact this office.



4 inches = 1 mile



(DB) -HARVEST AREA-MKD (MARKED TIMBER)-
HARVEST BOUNDARY PAINTED DOUBLE BLUE

==== -GRAVEL ROAD

----- -WOODS ROAD

⊕ -SECTION CORNER

L-EXISTING LANDING AREA

NP-NORWAY PINE COVERTYPE

ST. LOUIS COUNTY
TIMBER HARVESTING CONTRACT
C19010099

Page 2

3. Purchaser shall accept total responsibility and accountability for complete harvest of and payment for the total volume of species and timber commodities identified as follows:

ITEM	* PROD	* VOLUME	* UNIT	* UN.PRC	* VALUE
ASPEN	* PULP	* 1125	* TONS	* \$ 13.0000	* \$ 14625.00
BIRCH	* SD ON E	* 2	* CDS	* \$ 1.0000	* \$ 2.00
BALM OF GILEAD	* PULP	* 5	* TONS	* \$ 13.0000	* \$ 65.00
PINE-NORWAY	* P/B	* 1060	* CDS	* \$ 20.0000	* \$ 21200.00
PINE-JACK	* P/B	* 480	* CDS	* \$ 20.0000	* \$ 9600.00
PINE-SCOTCH	* P/B	* 50	* CDS	* \$ 20.0000	* \$ 1000.00
SPRUCE-WHITE	* P/B	* 15	* CDS	* \$ 25.0000	* \$ 375.00
BALSAM FIR	* PULP	* 2	* CDS	* \$ 5.0000	* \$ 10.00
SPRUCE-BLACK	* PULP	* 140	* CDS	* \$ 25.0000	* \$ 3500.00
TAMARACK	* PULP	* 30	* CDS	* \$ 5.0000	* \$ 150.00

TOTAL SALE VALUE: \$ 50527.00

PAID
9-16-03

(See Exhibit "A" for tabulation by block.)

4. Harvesting and tract cleanup shall be completed by MARCH 20TH, 2004 at which time this Contract shall expire. Requests for extensions of the expiration time must be made in writing and shall be granted by the Land Commissioner, in his discretion.

5. Any extensions of time under this Contract or modifications of terms of this Contract shall be in writing, executed by the parties and attached to the original Contract for incorporation.

6. All communications or correspondence occurring under this Contract shall be directed to Daniel Rasmussen, on behalf of Purchaser, and to Dan McCartney, on behalf of Seller, at the address above stated.

IN WITNESS WHEREOF the parties hereto have set their hands the day and date first above shown.

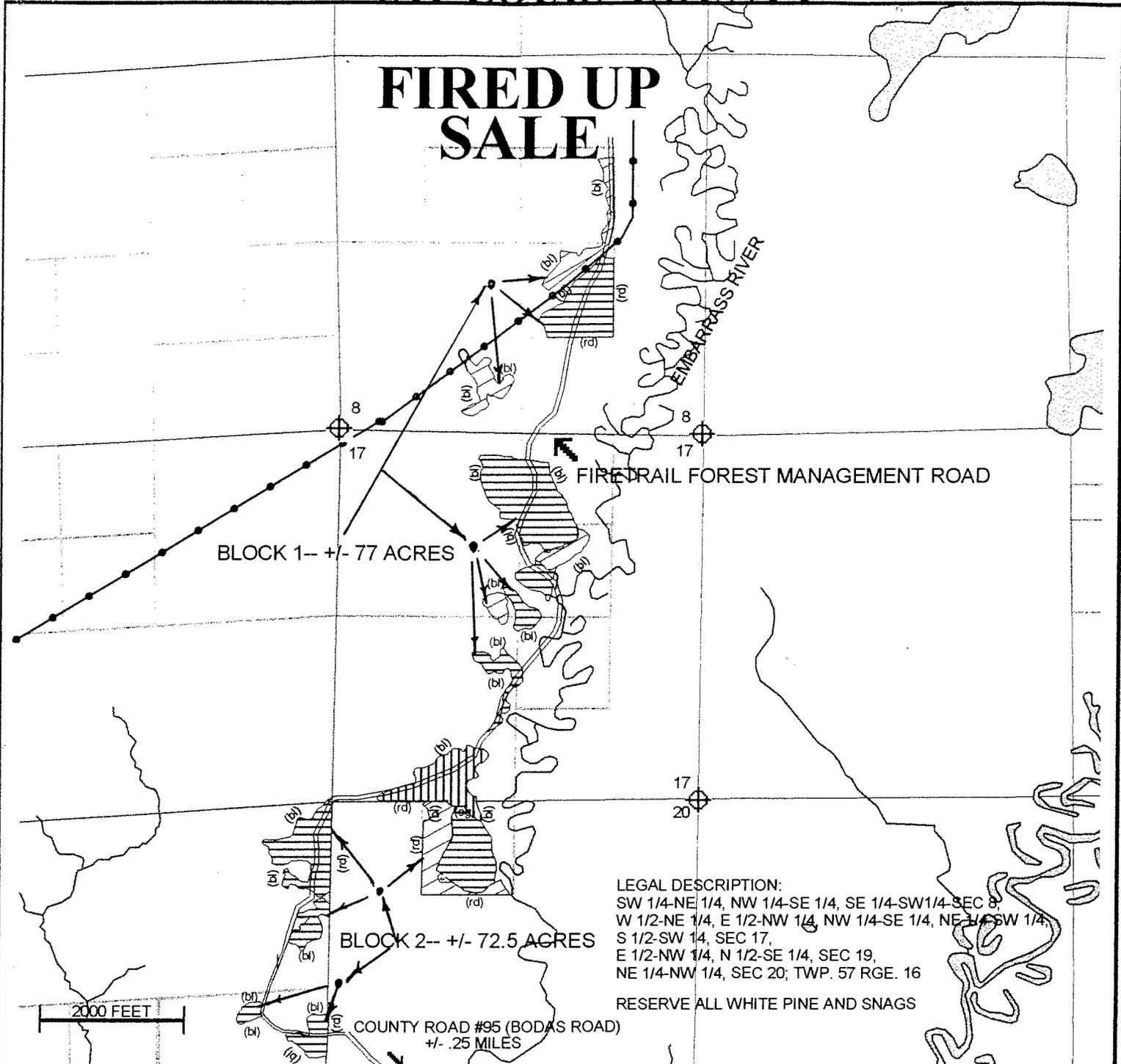
ST. LOUIS COUNTY AUDITOR,
BY: [Signature]
Land Commissioner Representative

RASMUSSEN FOREST FUELS
BY: [Signature]
Its:

DATE: Dec 9, 2002

ST. LOUIS COUNTY

FIRED UP SALE



BLOCK 1-- +/- 77 ACRES

BLOCK 2-- +/- 72.5 ACRES

FIRE TRAIL FOREST MANAGEMENT ROAD

COUNTY ROAD #95 (BODAS ROAD)
+/- .25 MILES

LEGAL DESCRIPTION:
SW 1/4-NE 1/4, NW 1/4-SE 1/4, SE 1/4-SW 1/4-SEC 8,
W 1/2-NE 1/4, E 1/2-NW 1/4, NW 1/4-SE 1/4, NE 1/4-SW 1/4,
S 1/2-SW 1/4, SEC 17,
E 1/2-NW 1/4, N 1/2-SE 1/4, SEC 19,
NE 1/4-NW 1/4, SEC 20; TWP. 57 RGE. 16

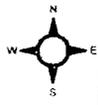
RESERVE ALL WHITE PINE AND SNAGS

2000 FEET

LEGAL SECS 8, 17, 19, 20 TWP 57 RGE 16

DATE: 9-17-2001

PREPARED BY: D. MCCOURTNEY



This drawing is neither a legally recorded map nor a survey and is not intended to be used as such. This drawing is a compilation of recorded information and data located in various city, county, state, federal offices, and other sources affecting the area and is to be used for the intended purpose only. St. Louis County is not responsible for any incorrectness herein. If inconsistencies are found, please contact this office.

24000

- (rd) - HARVEST AREA-CCT-HARVEST BOUNDARIES PAINTED RED OR BLUE
- (bl) - HARVEST AREA -CCT- ALTERNATING ROWS OF CUT AND LEAVE STRIPS- CUT STRIP BOUNDARIES ARE PAINTED BLUE (EAST - WEST ORIENTATION)
- (rd) - HARVEST AREA-CCT-ALTERNATING ROWS OF CUT AND LEAVE STRIPS-CUT STRIP BOUNDARIES ARE PAINTED BLUE OR RED (NORTH-SOUTH ORIENTATION)
- (og) - BOUNDARY LINE PAINTED ORANGE SEPARATING ROWS OF NORTH-SOUTH AND EAST-WEST ORIENTATIONS
- MANAGEMENT ROAD
- POWER LINE
- ⊕ -SECTION CORNER

ST. LOUIS COUNTY
TIMBER HARVESTING CONTRACT
C19970036

Page 2

3. Purchaser shall accept total responsibility and accountability for complete harvest of and payment for the total volume of species and timber commodities identified as follows:

ITEM	* PROD	* VOLUME	* UNIT	* UN.PRC	* VALUE
ASPEN	* PULP	* 1000	* TONS	* \$ 10.70	* \$ 10700.00
BIRCH	* SD ON E	* 3	* CDS	* \$ 1.23	* \$ 3.69
PINE-JACK	* P/B	* 275	* CDS	* \$ 27.06	* \$ 7441.50
SPRUCE-WHITE	* P/B	* 1	* CDS	* \$ 27.06	* \$ 27.06
BALSAM FIR	* PULP	* 20	* CDS	* \$ 9.84	* \$ 196.80
SPRUCE-BLACK	* PULP	* 210	* CDS	* \$ 27.06	* \$ 5682.60
TAMARACK	* PULP	* 2	* CDS	* \$ 1.23	* \$ 2.46

TOTAL SALE VALUE: \$ 24054.11

(See Exhibit "A" for tabulation by block.)

4. Harvesting and tract cleanup shall be completed by MAY 15TH, 2000 at which time this Contract shall expire. Requests for extensions of the expiration time must be made in writing and shall be granted by the Land Commissioner, in his discretion.

5. Any extensions of time under this Contract or modifications of terms of this Contract shall be in writing, executed by the parties and attached to the original Contract for incorporation.

6. All communications or correspondence occurring under this Contract shall be directed to BRIAN GIDDINGS, on behalf of Purchaser, and to Dave Skurka, on behalf of Seller, at the address above stated.

IN WITNESS WHEREOF the parties hereto have set their hands the day and date first above shown.

ST. LOUIS COUNTY AUDITOR,

BY: Cathy J. Bone
Land Commissioner Representative

DATE: 5-30-97

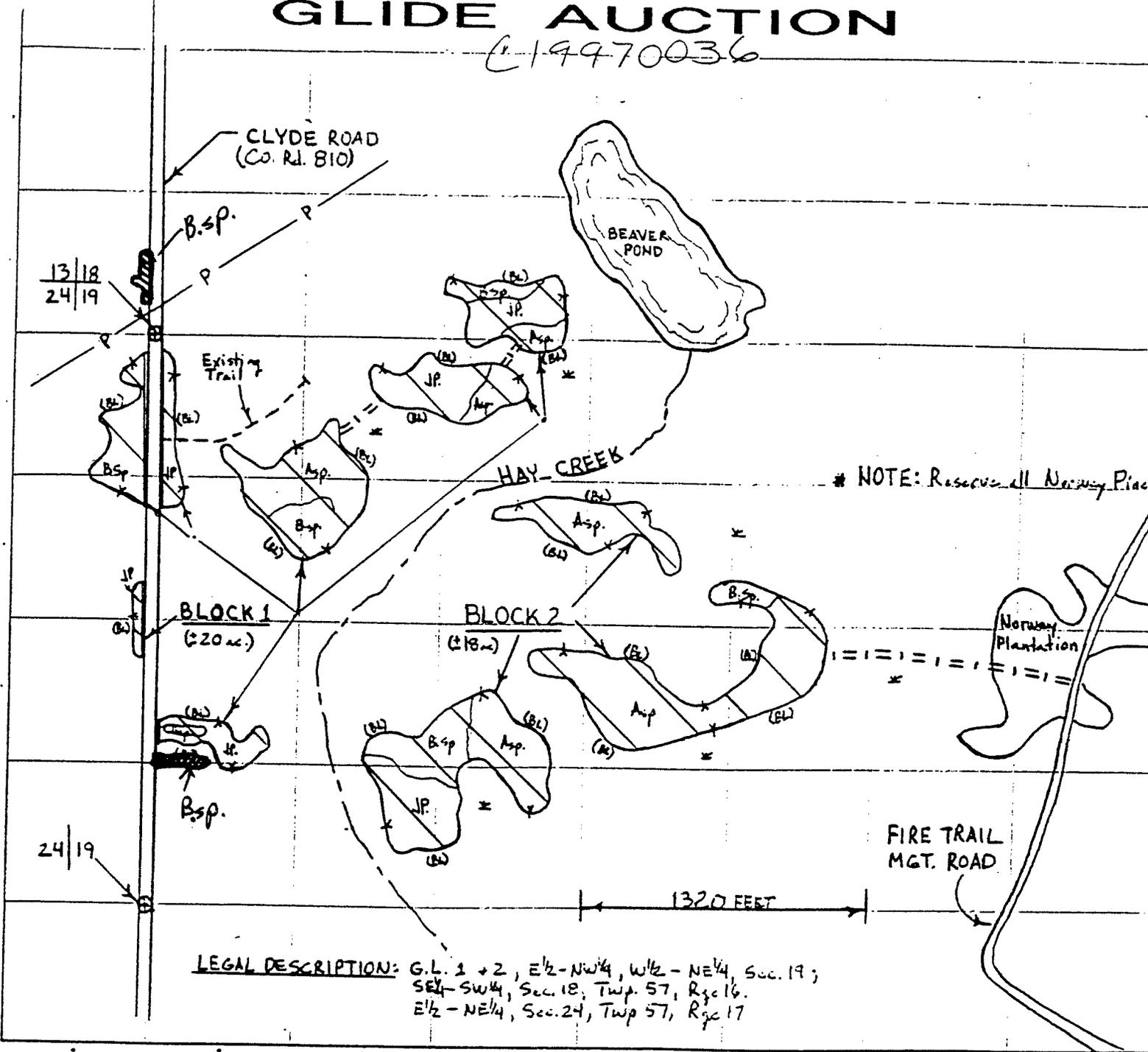
BIRCHEM LOGGING

BY: Brian Giddings
Its: Forester

EXHIBIT C

GLIDE AUCTION

C-19970036



LEGAL DESCRIPTION: G.L. 1 + 2, E $\frac{1}{2}$ -NW $\frac{1}{4}$, W $\frac{1}{2}$ -NE $\frac{1}{4}$, Sec. 19;
SE $\frac{1}{4}$ -SW $\frac{1}{4}$, Sec. 18, Twp. 57, Rge. 16.
E $\frac{1}{2}$ -NE $\frac{1}{4}$, Sec. 24, Twp. 57, Rge. 17

SECS. 18 & 19
24

TWP. 57 RGE. 16
57 17

SCALE: 4" = 1 M. l.

UNIT: Vic DATE 1-15-97

PREPARED BY A. Skurka

LEGEND

- Designated Species Removal Area
- Painted Harvest Boundary, Painted Blue
- Asp. - Aspen Covertype
- JP - Jack Pine Covertype
- B.sp. - Black Spruce Covertype
- Proposed Access Road
- Powerline
- Lowland Brush

ST. LOUIS COUNTY
TIMBER HARVESTING CONTRACT
C19980114

Page 2

3. Purchaser shall accept total responsibility and accountability for complete harvest of and payment for the total volume of species and timber commodities identified as follows:

ITEM	* PROD	* VOLUME	* UNIT	* UN.PRC	* VALUE
PINE-NORWAY	* P/B	* 290	* CDS	* \$ 19.0800	* \$ 5533.20
PINE-JACK	* P/B	* 80	* CDS	* \$ 19.0800	* \$ 1526.40

TOTAL SALE VALUE: \$ 7059.60

(See Exhibit "A" for tabulation by block.)

4. Harvesting and tract cleanup shall be completed by FEBRUARY 18TH, 2001 at which time this Contract shall expire. Requests for extensions of the expiration time must be made in writing and shall be granted by the Land Commissioner, in his discretion.

5. Any extensions of time under this Contract or modifications of terms of this Contract shall be in writing, executed by the parties and attached to the original Contract for incorporation.

6. All communications or correspondence occurring under this Contract shall be directed to CHRIS HOFFEMAN, on behalf of Purchaser, and to Chris Lintula, on behalf of Seller, at the address above stated.

IN WITNESS WHEREOF the parties hereto have set their hands the day and date first above shown.

ST. LOUIS COUNTY AUDITOR,

BY: Danny J. Bore
Land Commissioner Representative

DATE: 2-24-99

HEDSTROM LUMBER CO INC

BY: Chris Miller
Pcs:
PROCUREMENT FORESTER

ST. LOUIS COUNTY

RUNNING RANDALL

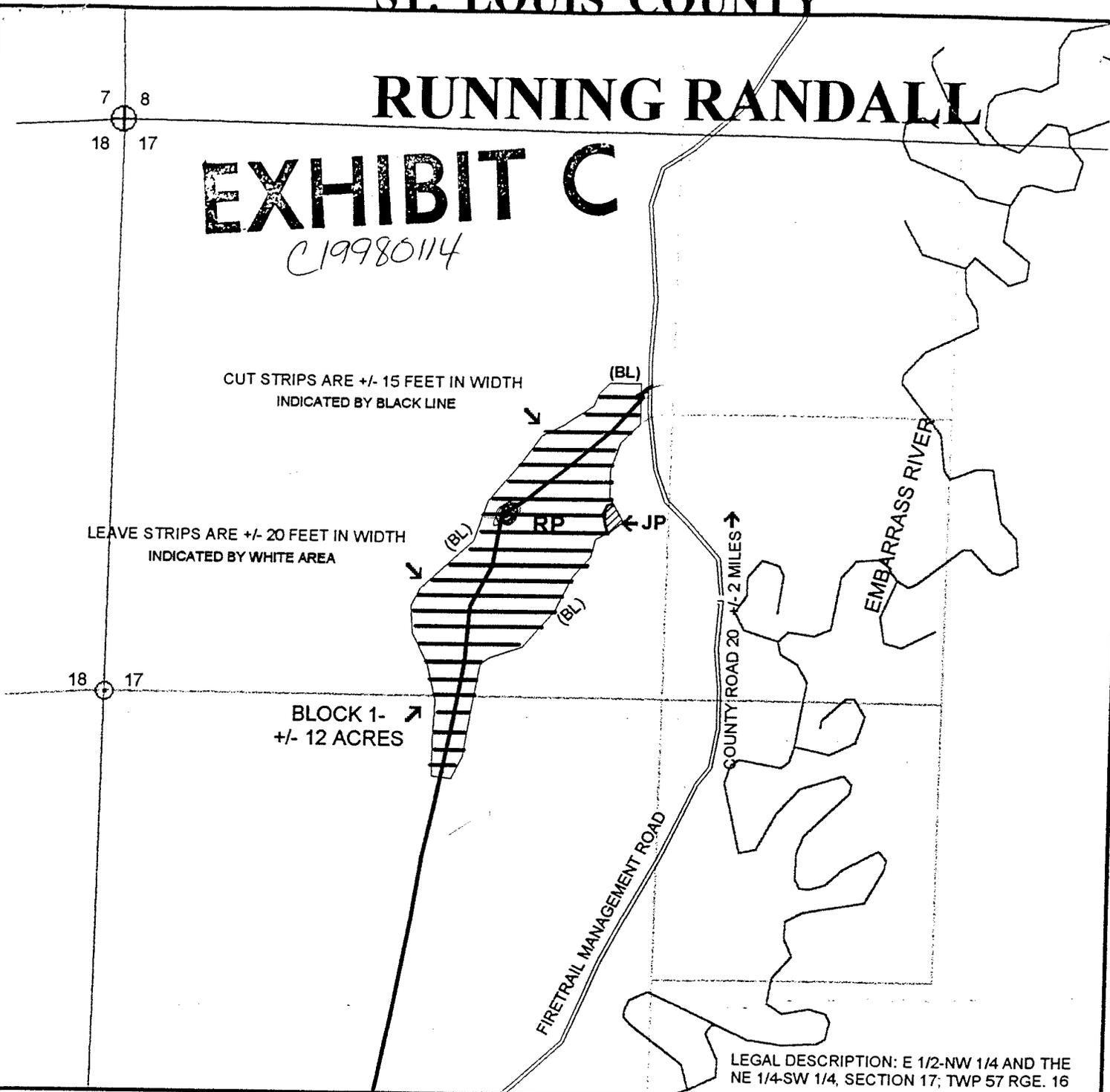
EXHIBIT C

C19980114

CUT STRIPS ARE +/- 15 FEET IN WIDTH
INDICATED BY BLACK LINE

LEAVE STRIPS ARE +/- 20 FEET IN WIDTH
INDICATED BY WHITE AREA

BLOCK 1- ↗
+/- 12 ACRES



LEGAL DESCRIPTION: E 1/2-NW 1/4 AND THE
NE 1/4-SW 1/4, SECTION 17; TWP 57 RGE. 16

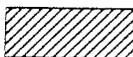
LEGAL: 17-57-16

DATE: 9-14-98

PREPARED BY: C. LINTULA

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660 feet



-HARVEST AREA-CCT-CUTTING
BOUNDARY PAINTED BLUE



-HARVEST AREA-CCT-ALTERNATING ROWS
OF CUT AND LEAVE STRIPS-CUT STRIP
BOUNDARIES ARE PAINTED BLUE



-GRAVEL ROAD



-WOODS ROAD



-SECTION CORNER



-QUARTER CORNER

RP-RED PINE COVERTYPE

JP-JACK PINE COVERTYPE

1:7920

ST. LOUIS COUNTY
TIMBER HARVESTING CONTRACT
C19880003

Page 1

THIS CONTRACT, made this 3rd day of October, 1990, by and between the ST. LOUIS COUNTY AUDITOR, through the St. Louis County Land Department, Government Services Center, Room 607, 320 West Second Street, Duluth, Minnesota 55802 [(218) 726-2606], as "Seller", and NO SHORE FOREST PRODUCTS, 10 VILLAGE DRIVE-APT 212, DULUTH, MN 5 [218-624-2715] as "Purchaser,"

WITNESSETH, that Seller, in consideration of downpayment monies hereinafter described and received and pursuant to Minn. Stat. 282.04, subd. 1, as amended, does hereby authorize Purchaser to harvest timber species and commodities, hereinafter specifically identified, upon the following St. Louis County lands legally described as:

SEC S 8 T57 R16W

Subject to the terms and conditions as follows:

1. Purchaser shall pay as downpayment the sum of NINE HUNDRED FORTY AND 63/100 DOLLARS***** (\$ 940.63) upon execution of this Contract. Additional payments shall be made pursuant to Regulation 14 of the St. Louis County Timber Harvesting Regulations, which are incorporated herein and attached hereto as Exhibit "B," and pursuant to paragraph 3 of this Contract.

2. Purchaser shall commence tree harvesting in accordance with the Timber Harvesting Regulations (Exhibit "B"). Harvesting shall occur following Cutting Regulations applicable to the harvest area(s), said area(s) generally depicted on the map(s) attached hereto as Exhibit "C" but specifically designated at the site by painted lines around each area. (See Regulation 16 of Exhibit "B" for marking of boundaries.) Further Special Regulations, if any, shall be attached hereto as Exhibit "D."

ST. LOUIS COUNTY
TIMBER HARVESTING CONTRACT
C19880003

Page 2

3. Purchaser shall accept total responsibility and accountability for complete harvest of and payment for the total volume of species and timber commodities identified as follows:

ITEM	* PROD	* VOLUME	* UNIT	* UN.PRC *	VALUE
ASPEN	* PULP	15	* CDS	* \$ 7.15 *	\$ 107.25
BIRCH	* SD ON E	2	* CDS	* \$ 0.50 *	\$ 1.00
PINE-JACK	* P&B	135	* CDS	* \$ 17.15 *	\$ 2315.25
SPRUCE-WHITE	* PULP	10	* CDS	* \$ 18.65 *	\$ 186.50
BALSAM FIR	* PULP	2	* CDS	* \$ 4.00 *	\$ 8.00
SPRUCE-BLACK	* PULP	80	* CDS	* \$ 18.65 *	\$ 1492.00
TAMARACK	* PULP	1	* CDS	* \$ 17.15 *	\$ 17.15

TOTAL SALE VALUE: \$ 4127.15

(See Exhibit "A" for tabulation by block.)

4. Harvesting and tract cleanup shall be completed by October 3, 1991, at which time this Contract shall expire. Requests for extensions of the expiration time must be made in writing and shall be granted by the Land Commissioner, in his discretion.

5. Any extensions of time under this Contract or modifications of terms of this Contract shall be in writing, executed by the parties and attached to the original Contract for incorporation.

6. All communications or correspondence occurring under this Contract shall be directed to Nancy Fisher, on behalf of Purchaser, and to Dave Gustig or Mark Weber, on behalf of Seller, at the addresses above stated.

IN WITNESS WHEREOF the parties hereto have set their hands the day and date first above shown.

ST. LOUIS COUNTY AUDITOR

NO SHORE FOREST PRODUCTS

BY: Denny J. Bone
Land Commissioner Representative

BY: Nancy Fisher
Its:

DATE: 10/20/90

President

TIMBER REPORT ⁶

Form 9-2

APPRAISAL OF ST. LOUIS COUNTY TAX FORFEITED TIMBER

T-84-024E

APPRAISAL NO. Field

Request by: EMBARRASS RIVER SALE Address: _____
 Appraised by: D. Bone Cruised by: D. Lustig Date: 8-2-84

LEGAL DESCRIPTION

Subd _____ Sec _____ Twp _____ Rge _____

Acres _____

Map Scale 1" = _____ Ft.

Name of Township Unorganized

DESCRIPTIVE FEATURES AND FACTORS:

Topography _____ level _____
 Dist. to Public Road 2 Miles
 Dist. to Market _____ Miles
 Permit Area J.P.- 39 Acres
 Logging Condition good

SCALE:

- (a) Regular x
- (b) Consumer x
- (c) Estimate x Aspen "Sold As Appraised"

CUTTING REGULATIONS:

Reserve _____
 Selective Cut _____
 Marked Timber _____
 Clearcut x As indicated on map.

REMARKS:

Special regulations on back.
Site prep and plant to Pine.
Jack Pine is infested with J.P.
budworm.

LEGAL DESCRIPTION
 E $\frac{1}{2}$ -SW $\frac{1}{4}$, NW $\frac{1}{4}$ -SE $\frac{1}{4}$, Sec. 8
 E $\frac{1}{2}$ -NW $\frac{1}{4}$, W $\frac{1}{2}$ -NE $\frac{1}{4}$, NE $\frac{1}{4}$ -SW $\frac{1}{4}$, NW $\frac{1}{4}$ -SE $\frac{1}{4}$, Sec. 17
 Twp. 57, Rge. 16
 As depicted by map
SEE ATTACHED MAP

PRICE GUIDE FACTORS
 J. Pine: .61+.23+.17+.10+.03+.15 = 1.29
 Aspen: .21+.13+.17+.10+.10+.10 = .81
 Spruce: .13+.11+.17+.10+.05+.10 = .66
 N. Pine: .16+.10+.17+.10+.10+.10 = .73

APPRAISAL OF MERCHANTABLE TIMBER

Specie	XXXXX	Volume	Unit	Price	Value	Cutting Diameter & Condition of Timber	AGE	SI
Jack Pine	P&B	1090	cds.	\$12.50/cd	\$13625.00	10% bolt	60	59
Aspen	pulp	97	cds.	\$ 2.05/cd	\$ 198.85			
Spruce	pulp	15	cds.	\$ 9.25/cd	\$ 138.75			
N. Pine	pulp	2	cds.	\$ 6.55/cd	\$ 13.10			
				TOTAL	\$13,975.70			

The above appraisal has been examined by me and approved.
 Therefore, recommend PUBLIC PRIVATE SALE _____
Randy Amel
 County Official

11-14-84
 Date

The timber appraisals and forestry practices as designated are hereby approved
 Check one: a. based on a partial sampling of appraisals.
 b. based on complete appraisals.

Commissioner of Conservation

Area Forester

Baise Casade
 Intl Falls, MN

OFFICE DATA

CONS.
 AREA 11/20/84
 CO. BD. 11/26/84
 NOT'D. R#
 P. SALE
 HOLD
 SOLD 12/13/84
R# 6691

py No. 1 - Purchaser
 py No. 2 - Area Office
 py No. 3 - Field Office

TIMBER PERMIT

AUCTION
 Permit No. T-84-0243

FOR CUTTING TIMBER ON COUNTY LANDS IN ST. LOUIS COUNTY, MINNESOTA:

TO: BOISE CASCADE CORPORATION ADDRESS P.O. Box 1152, International Falls, MN

In consideration of the sum of Thirteen Thousand Nine Hundred Seventy Five and Seventy /100 Dollars
 (\$13,975.70), receipt of which is hereby acknowledged, you are authorized to enter upon the following tax
 forfeited lands described as: E½-SW, NW-SE, E½-NW, W½-NE, NE-SW, NW-SE

SEC. 8/17 TWP. 57 RGE. 16 to cut and remove at any time during the life of

this permit the species and kinds of TIMBER as listed herein. This sale is made under, and is subject to the provisions of
 CHAPTER 282.04, SUBDVN 1, LAWS of 1982 and to the following conditions:

- All the species of timber listed for cutting under this permit must be cut and removed from within the cutting boundaries of clearcut areas. All marked trees must be cut and removed from within the boundaries of areas designated for harvesting the marked trees only. No other trees may be cut without further written approval from the Land Commissioner.
- This sale shall not be assigned to another party without the approval of the Land Commissioner.
- BREACH OF CONTRACT:**
 If it is determined by the County that the terms and regulations of this Contract have not been followed, all timber cut or hauled in violation of this Contract, or in violation of the terms of any Contract addenda such as the Consumer Scale Delivery Agreement, shall be charged at double the existing sale price. If the Land Commissioner determines any violation is a flagrant Breach of Contract, he shall cancel the Contract without refund.
- All specie product overruns will be billed to the purchaser at the existing sale price.
- All timber must be completely skidded and piled so that an accurate and orderly scale may be taken. No timber may be removed from the land until scaled and stamped for removal unless done so under a Consumer Scale Delivery Agreement as an addenda to this Contract. (A separate Consumer Scale Delivery Agreement is needed for each Timber Permit the purchaser holds with the County.)
- All timber sold under this agreement must be cut and removed before this expiration date DECEMBER 13, 1985. If for any good or sufficient reason the person is not able to complete the cutting and removal of the timber during the specified time allowed, the permit may be extended by the County Land Commissioner upon application. Such renewals, if granted, are subject to fees and stumpage price adjustments as authorized by the County Board.
- The cutting and removal of species and products under this Contract is limited to the areas designated on the attached map and within the cutting boundaries marked on the ground.
- All additional special regulations listed on back of this permit form and in the attached "Addendum To Timber Permit Conditions", and any other addenda specific to this Contract, as agreed to by signature of both parties, is part of this contract.

TIMBER TO BE CUT

KIND OF TIMBER	ESTIMATED AMOUNTS				REMARKS
	VOLUME	UNIT	PRICE	AMOUNT	
Jack Pine Pulp & Bolts	1090	cords	\$12.50	\$13,625.00	SOLD AS APPRAISED
Aspen Pulp	97	cords	2.05	198.85	
Spruce Pulp	15	cords	9.25	138.75	
Norway Pine Pulp	2	cords	6.55	13.10	
	VALUE, TOTAL SALE =			\$13,975.70	[SPECIAL REGULATIONS AND BLOCK PREPAYMENT SCHEDULE LISTED ON REVERSE SIDE OF TIMBER PERMIT
	20% DOWNPAYMENT =			\$ 2,795.14	
	*TOTAL BALANCE DUE =			\$11,180.56	

By RUSSELL PETERSEN
 St. Louis County Auditor

By [Signature]
 Land Commissioner

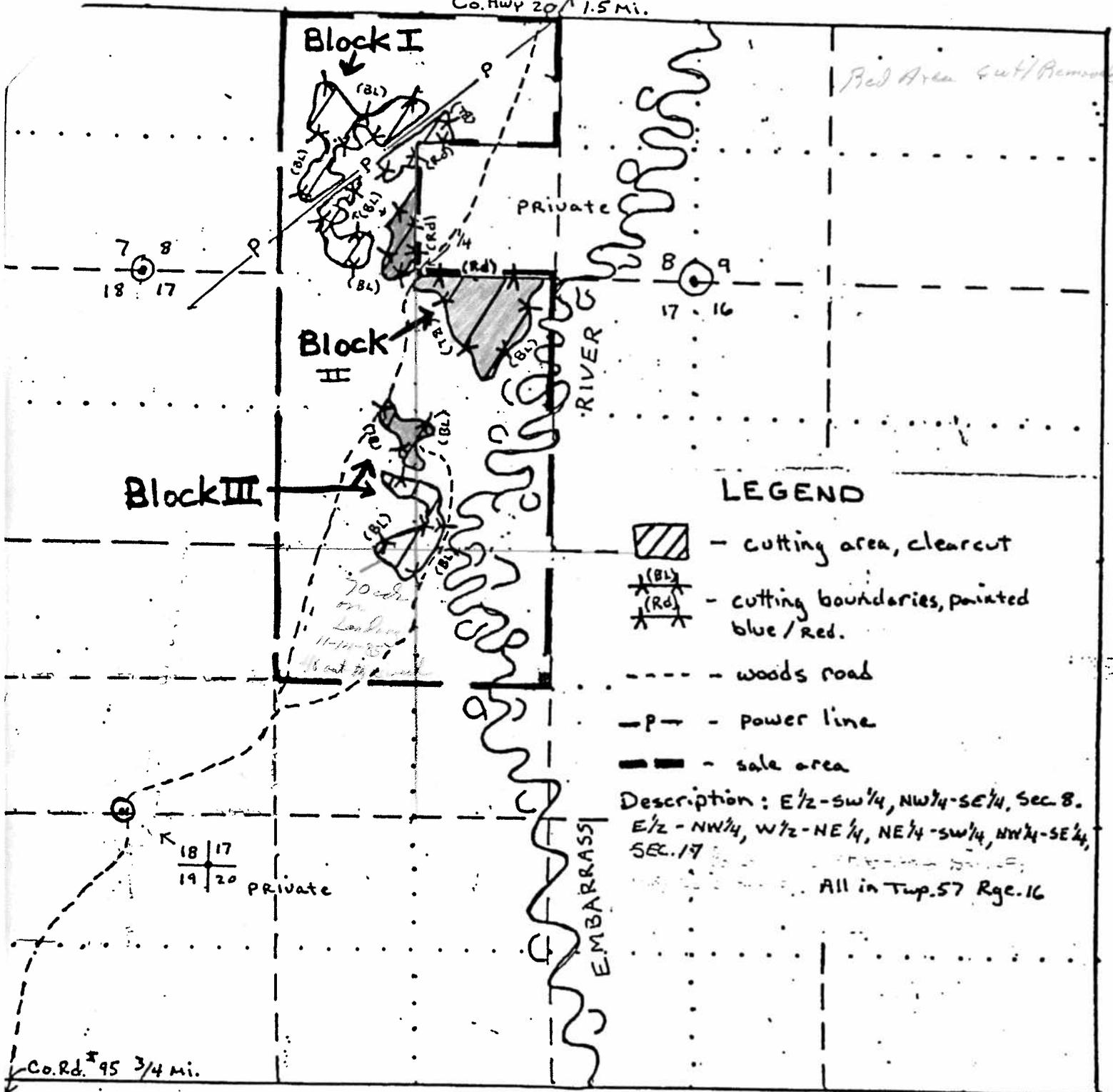
By _____
 Purchaser

Receipt No. 6691
12-13-84

Date: _____

SAINT LOUIS COUNTY

Co. Hwy 20 \uparrow 1.5 Mi.



LEGEND

- cutting area, clearcut
- cutting boundaries, painted blue/red.
- woods road
- power line
- sale area

Description: E 1/2 - SW 1/4, NW 1/4 - SE 1/4, Sec. 8.
 E 1/2 - NW 1/4, W 1/2 - NE 1/4, NE 1/4 - SW 1/4, NW 1/4 - SE 1/4,
 SEC. 17
 All in Twp. 57 Rge. 16

MAP SCALE: 4" = 1 mile

MAGNETIC DECL. 4° E.

PHOTO: 13-38

TWP. NAME: Unorganized

MAP LEGEND - see back of map

REMARKS: See above

6	5	4	3	2	1
7	8	9	10	11	12
13	14	15	16	17	18
19	20	21	22	23	24
25	26	27	28	29	30
31	32	33	34	35	36

UNIT: VIRGINIA AREA

SALE / PROJECT: EMBARRASS RIVER

DESCRIPTION: See Above

SEC. TWP. 57 RGE. 16

DATE: 8-2-84

PREPARED BY: Dave Rustig

ST. LOUIS COUNTY
TIMBER HARVESTING CONTRACT
C19070061

Page 2

3. Purchaser shall accept total responsibility and accountability for complete harvest of and payment for the total volume of species and timber commodities identified as follows:

ITEM	* PROD	* VOLUME	* UNIT	* UN.PRC	* VALUE
ASPEN	* PULP	* 385	* CDS	* \$ 27.8500	* \$ 10722.25
BIRCH	* SD ON E	* 16	* CDS	* \$ 14.0000	* \$ 224.00
PINE-NORWAY	* P/B	* 805	* CDS	* \$ 34.1200	* \$ 27466.60
PINE-JACK	* P/B	* 395	* CDS	* \$ 35.1200	* \$ 13872.40
SPRUCE-WHITE	* P/B	* 50	* CDS	* \$ 36.2300	* \$ 1811.50
BALSAM FIR	* PULP	* 75	* CDS	* \$ 23.1200	* \$ 1734.00
SPRUCE-BLACK	* P/B	* 1125	* CDS	* \$ 36.2300	* \$ 40758.75
TAMARACK	* PULP	* 216	* CDS	* \$ 4.3000	* \$ 928.80

TOTAL SALE VALUE: \$ 97518.30

(See Exhibit "A" for tabulation by block.)

4. Harvesting and tract cleanup shall be completed by APRIL 1ST, 2010, at which time this Contract shall expire. Requests for extensions of the expiration time must be made in writing and shall be granted by the Land Commissioner, in his discretion.

5. Any extensions of time under this Contract or modifications of terms of this Contract shall be in writing, executed by the parties and attached to the original Contract for incorporation.

6. All communications or correspondence occurring under this Contract shall be directed to _____, on behalf of Purchaser, and to Nick Hoff, on behalf of Seller, at the address above stated.

IN WITNESS WHEREOF the parties hereto have set their hands the day and date first above shown.

ST. LOUIS COUNTY AUDITOR,

STORA ENSO NO. AMERICA CO

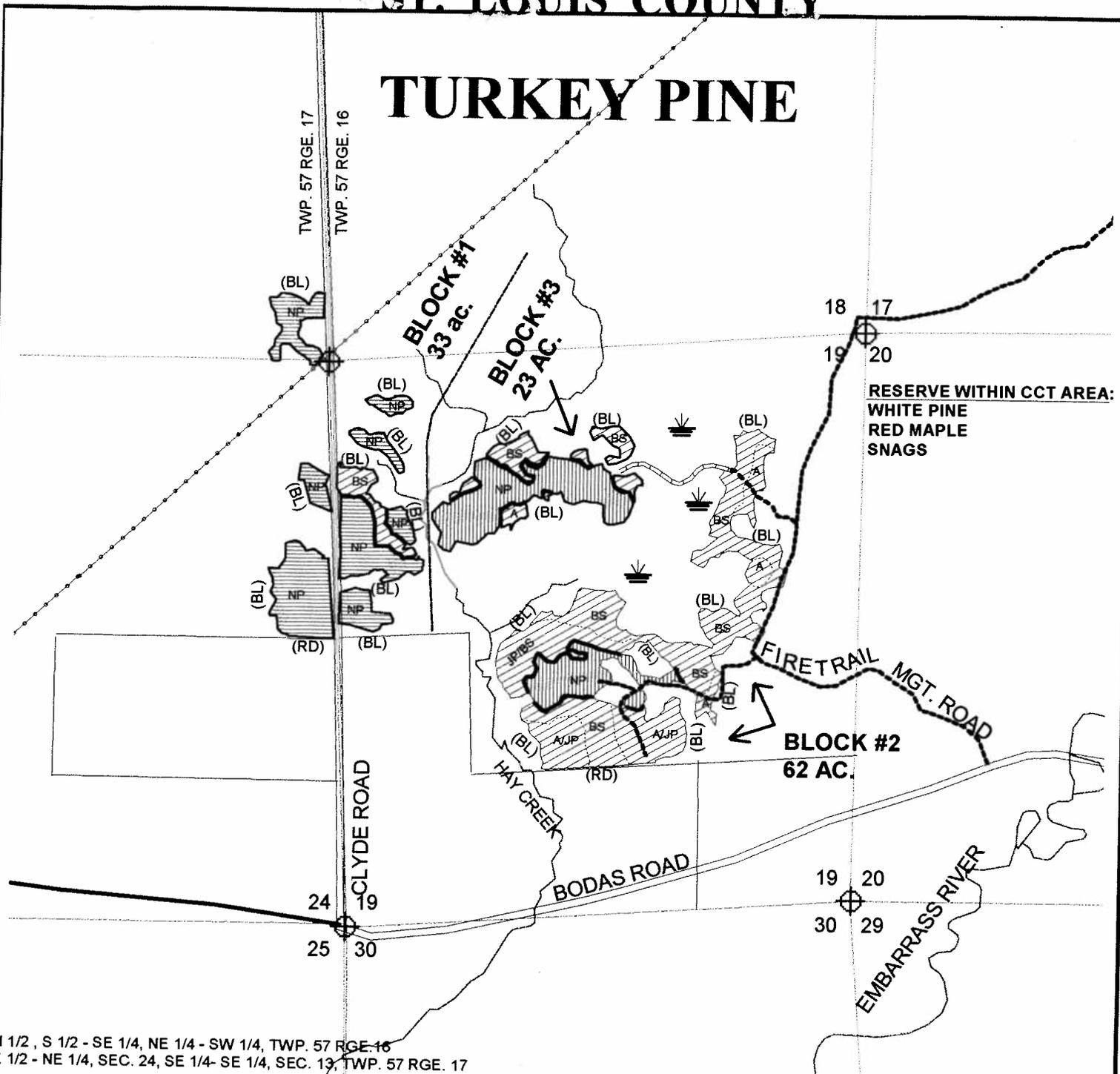
BY: Mah W. Lu
Land Commissioner Representative

BY: [Signature]
Its: Forester

DATE: 6-5-07

ST. LOUIS COUNTY

TURKEY PINE



N 1/2, S 1/2 - SE 1/4, NE 1/4 - SW 1/4, TWP. 57 RGE. 16
 E 1/2 - NE 1/4, SEC. 24, SE 1/4 - SE 1/4, SEC. 13, TWP. 57 RGE. 17

LEGAL SEE ABOVE

DATE 2-2-07

PREPARED BY: N. HOFF

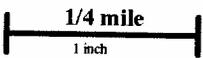
STL-21-70

Photo ID is

This drawing is neither a legally recorded map nor a survey and is not intended to be used as such. This drawing is a compilation of recorded information and data located in various city, county, state, federal offices, and other sources affecting the area and is to be used for the intended purpose only. St. Louis County is not responsible for any incorrectness herein. If inconsistencies are found, please contact this office.



4 inches = 1 mile



- THINNING AREA
 - CENTER OF ROWS PAINTED ORANGE
 - SALE BOUNDARY PAINTED (BL) BLUE OR (RD) RED
 - CLEARCUT AREA (CCT)
 - SALE BOUNDARIES PAINTED BLUE (BL) OR RED (RD)
 - BOUNDARY BETWEEN THINNING AND CLEARCUT AREA PAINTED BLUE (BL) ON BOTH SIDES OF TREES
 - PAVED ROAD
 - GRAVEL ROAD
 - MANAGEMENT ROAD
 - PROPOSED ACCESS- WINTER ROAD
 - POWERLINE
 - SWAMP
 - SECTION CORNER
- TIMBER TYPES**
- NP- NORWAY PINE
 - BS- BLACK SPRUCE
 - BS/JP - BLACK SPRUCE/ JACK PINE
 - A/JP - ASPEN/ JACKPINE
- DISTINGUISHES LOCATION OF CUTTING BLOCKS

ST. LOUIS COUNTY
 TIMBER HARVESTING CONTRACT
 C19080135 - Fire Trail ROW **FIELD COPY**

Page 1a

This Contract is entered into this 03RD Day of NOVEMBER , 2008 by and between ST. LOUIS COUNTY AUDITOR, through the St. Louis County Land Department (Seller), and DOUGLAS HUSTAD (Purchaser)."

Seller:

St. Louis County Land Depart.
 320 W 2nd St.
 Duluth, MN 55802
 218-726-2606

Purchaser:

DOUGLAS HUSTAD
 4566 WEST RAYMOND ROAD
 GILBERT, MN 55741
 218/865/4264

In consideration of downpayment hereinafter described and received and pursuant to Minnesota Statute 282.04, subdivision 1, Seller does hereby authorize Purchaser to harvest timber species and commodities, hereinafter specifically identified, or by any amendments/addendums to this Contract, upon the following St. Louis County Tax Forfeited lands described as:

Qtr	Qtr	Qtr	Sec	Twp	Rge
-----	-----	-----	-----	-----	-----
SW1/4	NE1/4		8	57	16
NW1/4	SE1/4		8	57	16
E 1/2	NW1/4		17	57	16
W 1/2	NE1/4		17	57	16
NW1/4	SE1/4		17	57	16
E 1/2	SW1/4		17	57	16
SW1/4	SW1/4		17	57	16
E 1/2	NW1/4		19	57	16
NE1/4	SE1/4		19	57	16

ST. LOUIS COUNTY
TIMBER HARVESTING CONTRACT
C19080135

Exhibit "A"

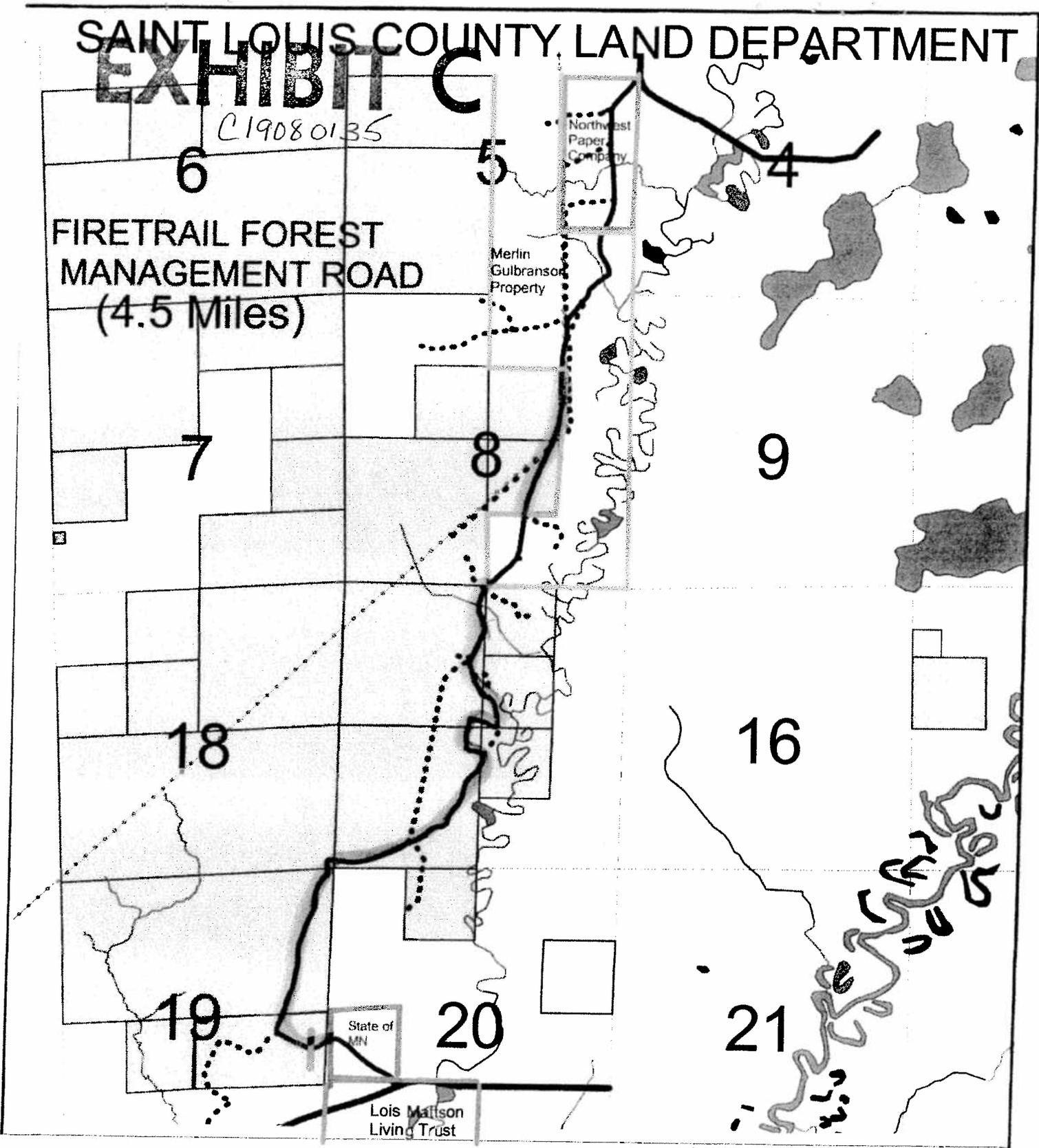
VOLUME AND VALUE SUMMARY BY BLOCK

BLK #	ITEM	* PROD	* VOLUME	* UNIT	* UN.PRC *	VALUE
1	ASPEN	* SD ON E*	10	* CDS	* \$ 1.0000	* \$ 10.00
	PINE-NORWAY	* SD ON E*	50	* CDS	* \$ 5.5000	* \$ 275.00
	PINE-JACK	* SD ON E*	10	* CDS	* \$ 1.0000	* \$ 10.00
					TOTAL BLOCK VALUE:	\$ 295.00
					TOTAL VALUE OF ALL BLOCKS:	\$ 295.00

SAINT LOUIS COUNTY, LAND DEPARTMENT

EXHIBIT C

C19080135



Date: January 7, 2005
 Prepared By: Dave Skurla

-  Main Route of Fire Trail Management Road Proposed Upgrade (4.5 miles)
-  Woods Roads
-  Powerline
-  Gate
-  St. Louis County Tax Forfeit Ownership

Scale: 1:28000 

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OWNER Embarrass River

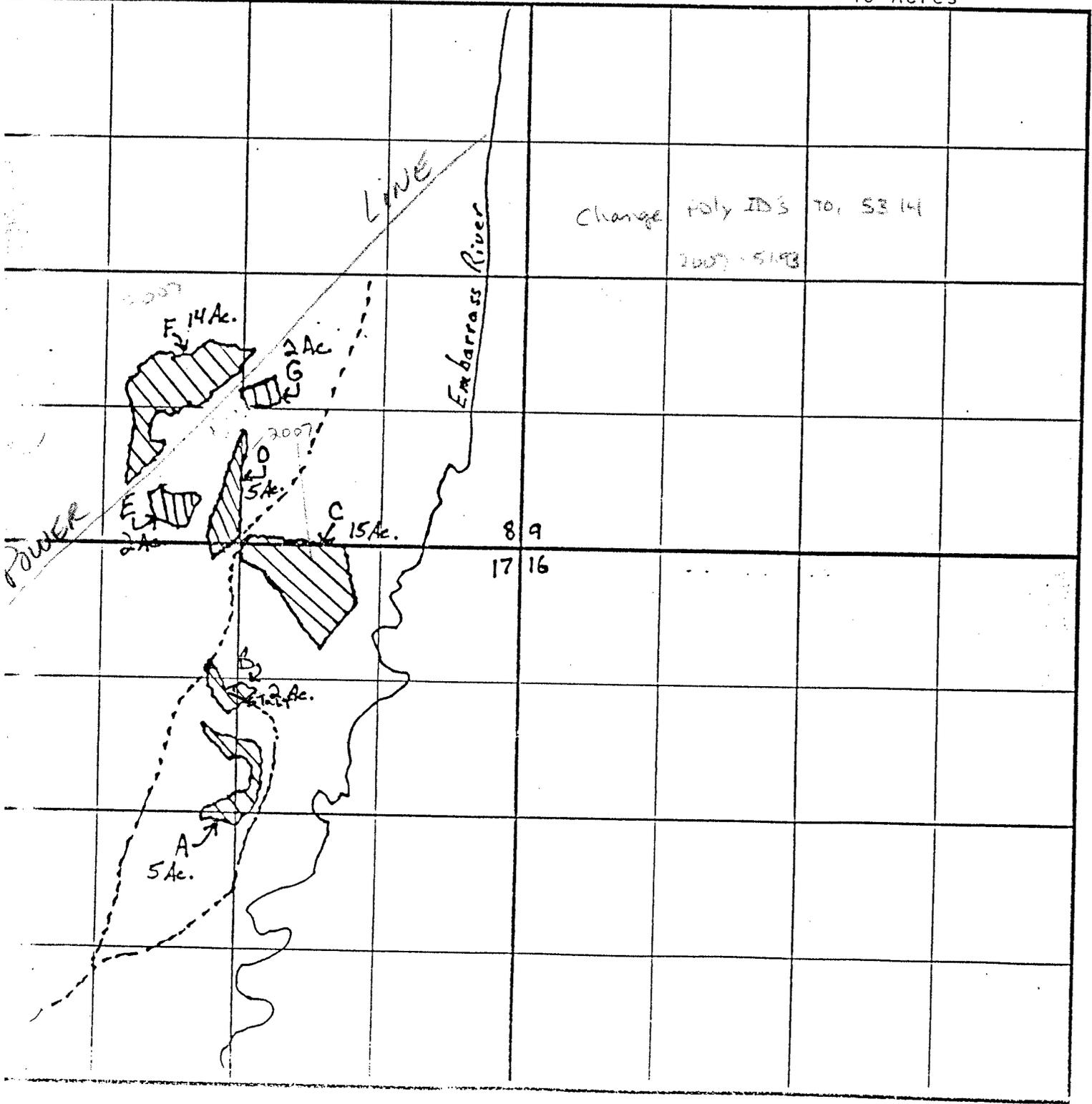
DATE 12-4-85

SECTION 8.17 TOWNSHIP 57N RANGE 16W

COUNTY St. Louis STATE Minnesota SCALE 1" = 1/4 mi.

EMBARRASS A, B, C, D, E, F, G

45 Acres



REGENERATION SURVEY

PAGE 1 OF 2

PROJECT NUMBER (LCO): D06

PROJECT NAME: EMBARRASS A, B, C, D, E, F, G

BLOCK 5 OF 7

TWP-RNG: 5716 SEC: 8/17 Q: QO: KEY (LCO):

ZONE: V6

EMPLOYEE ID: 21 SURVEY DATE: 5-97 ACRES: 145

PLOT SIZE: 1750

TIMBER SALE CONTRACT #:

PLOT#	STOCK CODE	COMPETITION			STEM COUNTS BY SPECIES								COMMENTS		
		TYPE	SIZE	%	53 (live-counts & when present, dead-counts in parenthesis) A										
A 1 SAC	1	0	0	1	1										
2	1	0	0	1	1										
3	1	0	0	1	1										
4	1	0	0	1	1									#stocked 4 100% JP	
B 1 ZAC	1	0	0	1	1										CARE #
2	1	0	0	1	1										
3	1	0	0	1	1									100% JP	
C 1 SAC	1	0	0	1	1										Plant spec (see map) by spec
2	1	0	0	1	1										
3	1	0	0	1	1										
4	1	0	0	1	1										Specimen
5	1	0	0	1	1										
6	1	0	0	1	1										
7	1	0	0	1	1									100% JP	
D 1 SAC	1	0	0	1	1										
2	1	0	0	1	1										
3	1	0	0	1	1									100% JP	
4	1	0	0	1	1										
E 1 ZAC	1	0	0	1	1										
2	1	0	0	1	1										
3	1	0	0	1	1									100% JP	
4	1	0	0	1	1										

OF PLOTS STOCKED 31 % OF STOCKABLE-PLOTS STOCKED 100% (NUMBER OF PLOTS NON-STOCKED 0)

COMPETITION TYPE 0-NONE 1-HERBS 2-GRASS 3-GRASS & HERBS 4-WOODY STEMS 5-MIXED 6-HERBS & WOOD 7-SLASH	COMPETITION SIZE 0-NONE 1-GROUND COVER-NO SHADE 2-TREE HEIGHT 3-OVERTOPPING	COMPETITION % 1-0 to 25% 2-26 to 50% 3-51 to 75% 4-76 + %	QTR (Q) 0-SEC 1-NE1/4 2-NW1/4 3-SW1/4 4-SE1/4 5-N1/2 6-W1/2 7-S1/2 8-E1/2	CO 0-QTR 1-NE1/4 2-NW1/4 3-SW1/4 4-SE1/4 5-N1/2 6-W1/2 7-S1/2 8-E1/2	STOCKING CODES 0-NON-STOCKED 1-STOCKED 3-NON-STOCKABLE
---	--	--	---	--	--

REGENERATION SURVEY

PROJECT NUMBER (LCO): D06

PROJECT NAME: EMBARRASS A, B, C, D, E, F, G

BLOCK 2 OF 7

TWP-RNG: 5716 SEC: 8/17 Q: QQ: KEY (LCO):

ZONE: 4

EMPLOYEE ID: 21 SURVEY DATE: 5-97 ACRES: 145

PLOT SIZE: 1750

TIMBER SALE CONTRACT #:

F
14AC

G
2AC

PLOT#	STOCK CODE	COMPETITION			STEM COUNTS BY SPECIES (live-counts & when present, dead-counts in parenthesis)								COMMENTS	
		TYPE	SIZE	%	S	SE	A							
1	1	0	0	1										
2	1	0	0	1										
3	1	0	0	1										
4	1	0	0	1										
5	1	0	0	1									100% JP	
<hr/>														
1	1	0	0	1										
2	1	0	0	1										
3	1	0	0	1										
4	1	0	0	1									100% JP	

OF PLOTS STOCKED 31 % OF STOCKABLE-PLOTS STOCKED 100% (NUMBER OF PLOTS NON-STOCKED 0)
(over-over-see-and-over)

COMPETITION TYPE	COMPETITION SIZE	COMPETITION %	QTR (Q)	QQ	STOCKING CODES
0-NONE	0-NONE	1-0 to 25%	0-SEC	0-QTR	0-NON-STOCKED
1-HERBS	1-GROUND COVER-NO SHADE	2-26 to 50%	1-NE1/4	1-NE1/4	1-STOCKED
2-GRASS	2-TREE HEIGHT	3-51 to 75%	2-NW1/4	2-NW1/4	3-NON-STOCKABLE
3-GRASS & HERBS	3-OVERTOPPING	4-76 + %	3-SW1/4	3-SW1/4	
4-WOODY STEMS			4-SE1/4	4-SE1/4	
5-MIXED			5-N1/2	5-N1/2	
6-HERBS & WOOD			6-W1/2	6-W1/2	
7-SLASH			7-S1/2	7-S1/2	
			8-E1/2	8-E1/2	

REGENERATION SURVEY REPORT

PROJECT NAME: EMBARRASS A

LEGAL DESC: 571617

PROJECT NUMBER: D03870013 SEQUENCE: 03 OFFICE: 2 ZONE:

November 13, 1991

SPECIES	STOCKING %	TREES/ ACRE	TREES/ PLOT	ST. DEV.	C.V.	ERROR	AVG.HT.(FT)
PINE_RED	75.0	550.0					
PINE_JACK	87.5	7,150.0					
	0.0	0.0					
	0.0	0.0					
	0.0	0.0					
	0.0	0.0					
	0.0	0.0					
ALL SPECIES	100.0	7,700.0	19.25	21.40	111.2	78.6	2.38

COMPETITION

TYPE	%	DENSITY	%
NONE	= 0	FEW TO NONE	= 0
HERBS	= 0	GROUND COVER	= 75
GRASS	= 50	TREE HEIGHT	= 12
GRASS & HERBS	= 0	OVERTOPPING	= 12
WOODY STEMS	= 0		
MIXED	= 0		
HERBS & WOODY	= 50		

AVERAGE COMPETITION SIZE (FT)= 0.50

PRINTED 8 of the 522 records.

OWNER Embarrass River

DATE 12-4-85

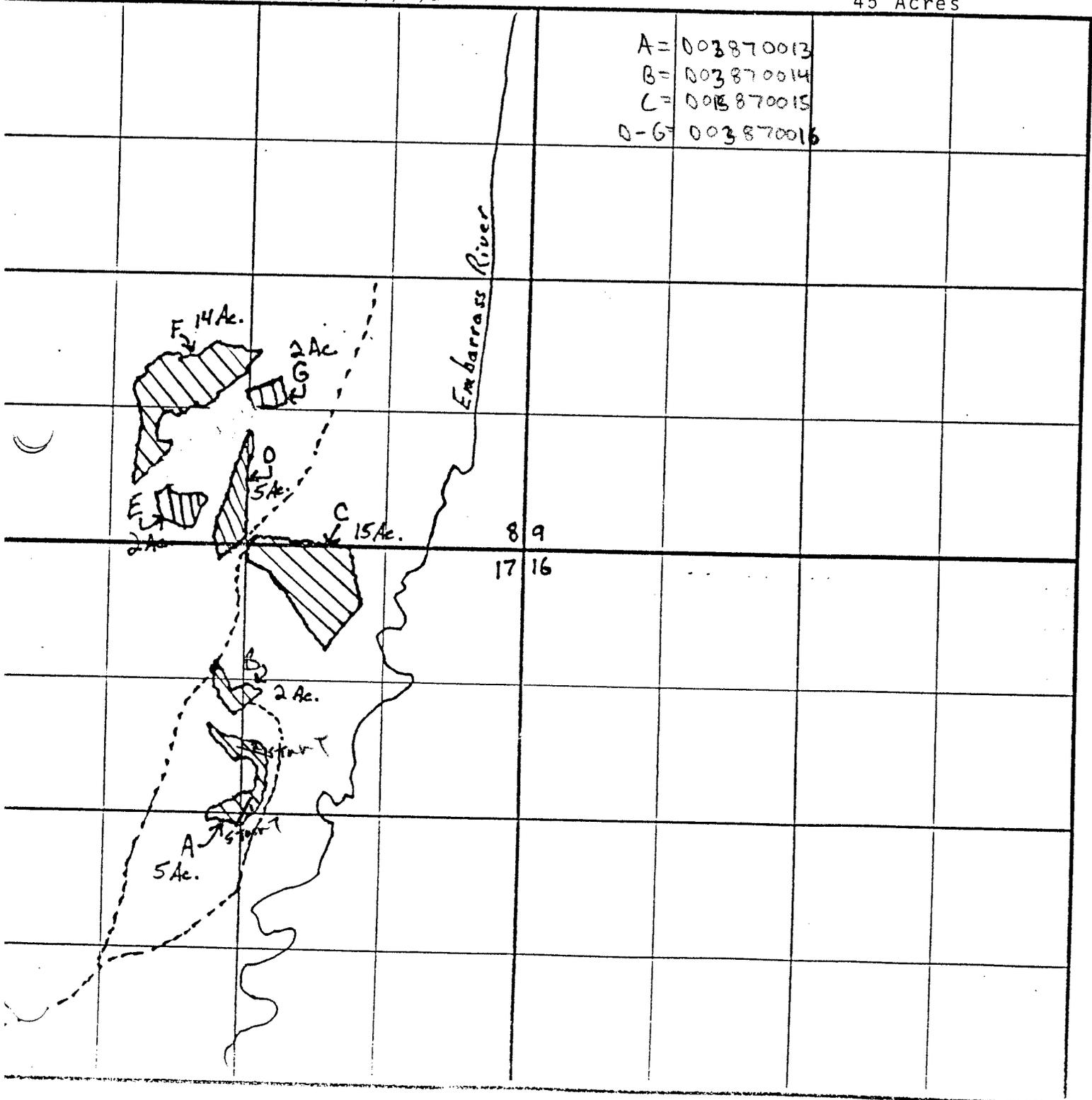
SECTION 8, 17 TOWNSHIP 57N RANGE 16W

COUNTY St. Louis STATE Minnesota SCALE 1" = 1/2 mi.

EMBARRASS A,B,C,D,E,F,G

45 Acres

A=	003870013
B=	003870014
C=	003870015
D-G=	003870016



REGENERATION SURVEY REPORT

PROJECT NAME: EMBARRASS B LEGAL DESC: 571617
 PROJECT NUMBER: D03870014 SEQUENCE: 03 OFFICE: 2 ZONE:
 November 13, 1991

SPECIES	STOCKING %	TREES/ ACRE	TREES/ PLOT	ST. DEV.	C.V.	ERROR	AVG.HT.(FT)
PINE_RED	66.7	266.7					
PINE_JACK	100.0	1,333.3					
	0.0	0.0					
	0.0	0.0					
	0.0	0.0					
	0.0	0.0					
	0.0	0.0					
ALL SPECIES	100.0	1,600.0	29.00	9.64	33.2	38.3	2.17

COMPETITION

TYPE	%	DENSITY	%
NONE	= 0	FEW TO NONE	= 0
HERBS	= 0	GROUND COVER	=100
GRASS	= 33	TREE HEIGHT	= 0
GRASS & HERBS	= 0	OVERTOPPING	= 0
WOODY STEMS	= 0		
MIXED	= 0		
HERBS & WOODY	= 66		

AVERAGE COMPETITION SIZE (FT)= 0.67

PRINTED 3 of the 522 records.

REGENERATION SURVEY REPORT

PROJECT NAME: EMBARRASS C

LEGAL DESC: 571617

PROJECT NUMBER: D03870015 SEQUENCE: 03 OFFICE: 2 ZONE:

November 13, 1991

SPECIES	STOCKING %	TREES/ ACRE	TREES/ PLOT	ST. DEV.	C.V.	ERROR	AVG.HT. (FT)
PINE_RED	62.5	416.7					
PINE_JACK	66.7	2,900.0					
	0.0	0.0					
	0.0	0.0					
	0.0	0.0					
	0.0	0.0					
	0.0	0.0					
ALL SPECIES	83.3	3,316.7	8.29	13.52	163.1	66.6	1.82

COMPETITION

TYPE	%	DENSITY	%
NONE	= 4	FEW TO NONE	= 4
HERBS	= 0	GROUND COVER	= 62
GRASS	= 41	TREE HEIGHT	= 16
GRASS & HERBS	= 37	OVERTOPPING	= 16
WOODY STEMS	= 12		
MIXED	= 0		
HERBS & WOODY	= 4		

AVERAGE COMPETITION SIZE (FT)= 0.75

PRINTED 24 of the 522 records.

REGENERATION SURVEY

Project Name: Embarras C
 Project No.: D03870015 (Seq. 3)
 Date: 11-21-90
 Twp: 57 N Rng: 16 W
 Survey By: David H. Rahn

Legal Description: NW NE Sec: 17
 Acres: 15 Plot Size: 1/400 AC.

Line Plot	Stockable Plot	Species Code			Average Ht Of Trees	Competition			Comments
		RP	RP			Type	Size	Density	
1-1	0	1	17		2	3		2	
1-2	0	1	14		2	3		2	
1-3	0		31		2	3		1	
1-4	0	1			0.5	3		3	
1-5	0		9		11.5	3		3	
1-6	0	1	2		1.5	3		2	
1-7	0	2			2.5	3		1	
1-8	0	1	1		2.0	3		1	
1-9	0					3		1	
2-1	0					3		1	
2-2	0	3	4		2.5	4	5	1	Haz.
2-3	0		1		3.5	2		1	
2-4	0	1	6		1.5	2		1	
2-5	0	1	4		1.5	2		1	
2-6	0	1	5		1.5	2		1	
2-7	0		10		1.5	2		1	
2-8	0	2	4		1.0	2		2	
2-9	0	3	1		1.0	2		3	
3-1	0								
3-2	0	2			1.5	4	6	1	Willow
3-3	0	1	1		2.0	4	6	3	"
3-4	0					2		1	
3-4 ^{1/2}	0	4			3.0	6	1	1	Rubus

Comp. Type:	0 - none	0 - very few to none
	1 - herbs	1 - ground cover, no shade to trees
	2 - grass	2 - same height as trees
	3 - grass and herbs	3 - overtopping trees
	4 - woody stems	
	5 - mixed	
	6 - herbs & woody stems	
Dens:		Page <u>1</u> of <u>2</u>

OWNER Embarrass River

DATE 12-4-85

SECTION 8,17

TOWNSHIP 57N

RANGE 16W

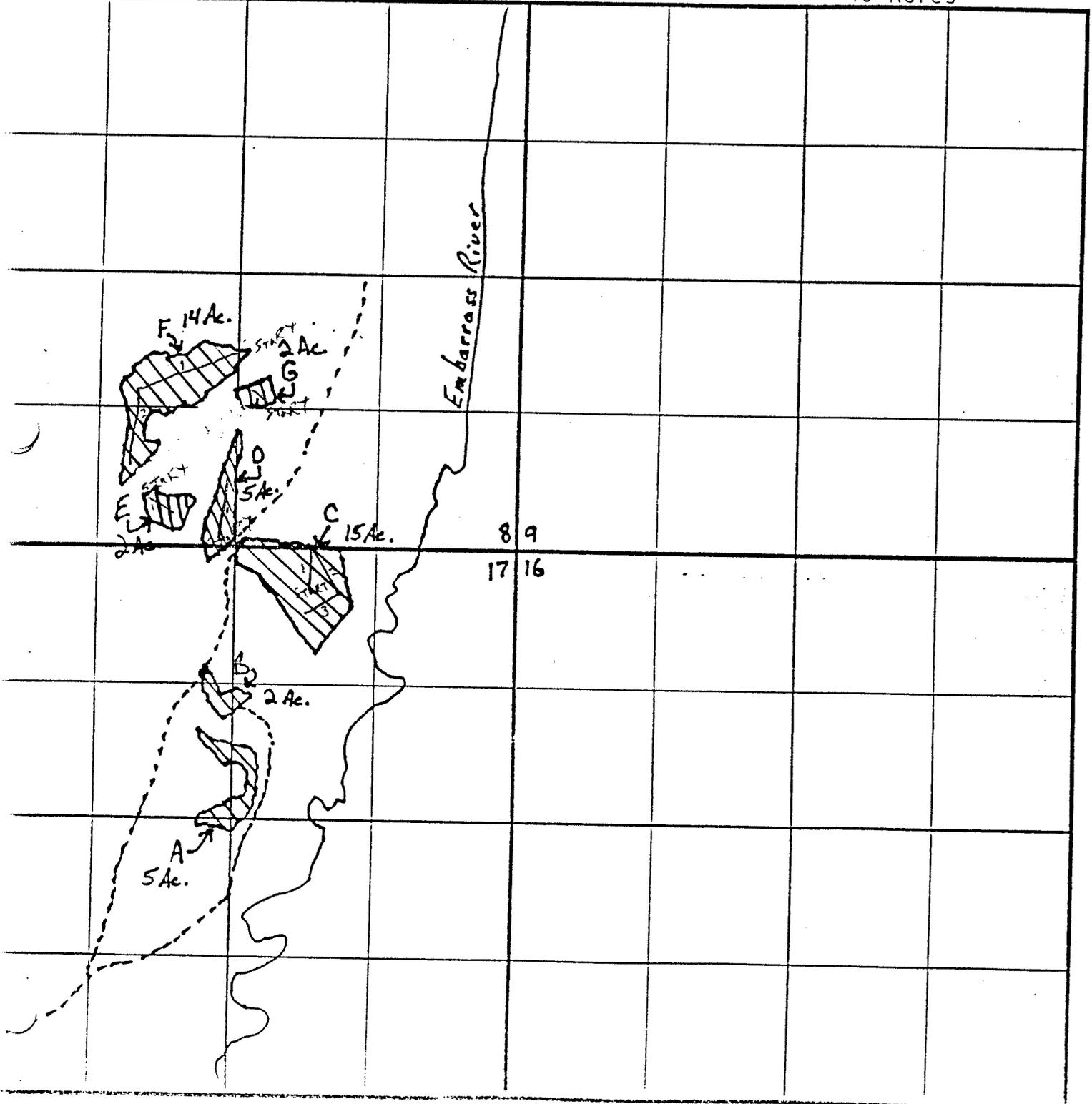
COUNTY St. Louis

STATE Minnesota

SCALE 1" = 1/2 mi.

EMBARRASS A,B,C,D,E,F,G

45 Acres



REGENERATION SURVEY REPORT

PROJECT NAME: EMBARRASS D-G LEGAL DESC: 571617

PROJECT NUMBER: D03870016 SEQUENCE: 03 OFFICE: 2 ZONE:

November 13, 1991

SPECIES	STOCKING %	TREES/ ACRE	TREES/ PLOT	ST. DEV.	C.V.	ERROR	AVG.HT. (FT)
PINE_RED	81.8	618.2					
PINE_JACK	84.8	4,363.6					
SPRUCE_WH	12.1	48.5					
SPRUCE_BL	3.0	12.1					
	0.0	0.0					
	0.0	0.0					
	0.0	0.0					
ALL SPECIES	100.0	5,042.4	12.61	10.19	80.8	28.1	2.03

COMPETITION

TYPE	%	DENSITY	%
NONE	= 3	FEW TO NONE	= 3
HERBS	= 0	GROUND COVER	= 57
GRASS	= 45	TREE HEIGHT	= 27
GRASS & HERBS	= 9	OVERTOPPING	= 12
WOODY STEMS	= 9		
MIXED	= 0		
HERBS & WOODY	= 33		

AVERAGE COMPETITION SIZE (FT) = 0.48

PRINTED 33 of the 522 records.

REGENERATION SURVEY

Project Name: Embarras F
 Project No.: _____
 Date: 1-5-95
 Twp: 57 N Rng: 16 W
 Survey By: Dave [unclear]

Legal Description: E 1/2 SW
 Acres: 14 Plot Size: 1/4 AC Sec: 8

Line Plot	Stockable Plot	Species Code				Average Ht Of Trees	Competition			Comments
		RT	SP	WS	MS		Type	Size	Density	
1-1	0	3				0.5	2		1	
1-2	0	1	3			2.5	2		1	
1-3	0		7			1.0	6	1	2	Blueberry
1-4	0	1				1.0	2		2	
1-5	0		21			2.0	2		2	
1-6	0		20			2.5	2		2	
1-7	0	2				0.5	2		3	
1-8	0		13			3.0	6	2	1	Blueberry
1-9	0	1	17			3.5	6	1	1	Blueberry
1-10	0	1	35	1		3.5	6		1	Blueberry
1-11	0	2	4	1		1.5	2		2	
1-12	0		16		1	2.5	2		1	
2-1	5									
2-2	0	1	8			2.5	2		1	
2-3	0	2	17	1		2.5	2		1	
2-4	0	1	8			2.0	2		2	Blueberry
2-5	0	3				1.0	2		2	
2-6	0	1	3			1.5	2		1	
2-7	0	3				2.0	3		1	
2-8	0	4	5			1.0	2		2	
2-9	0	4	5			1.5	6	1	1	Blueberry
2-10	0		28			2.0	6	1	1	

Comp. Type:	0 - none	0 - very few to none
	1 - herbs	1 - ground cover, no shade to trees
	2 - grass	2 - same height as trees
	3 - grass and herbs	3 - overtopping trees
	4 - woody stems	
	5 - mixed	
	6 - herbs & woody stems	
Dens:		Page _____ of _____

OWNER Embarrass River

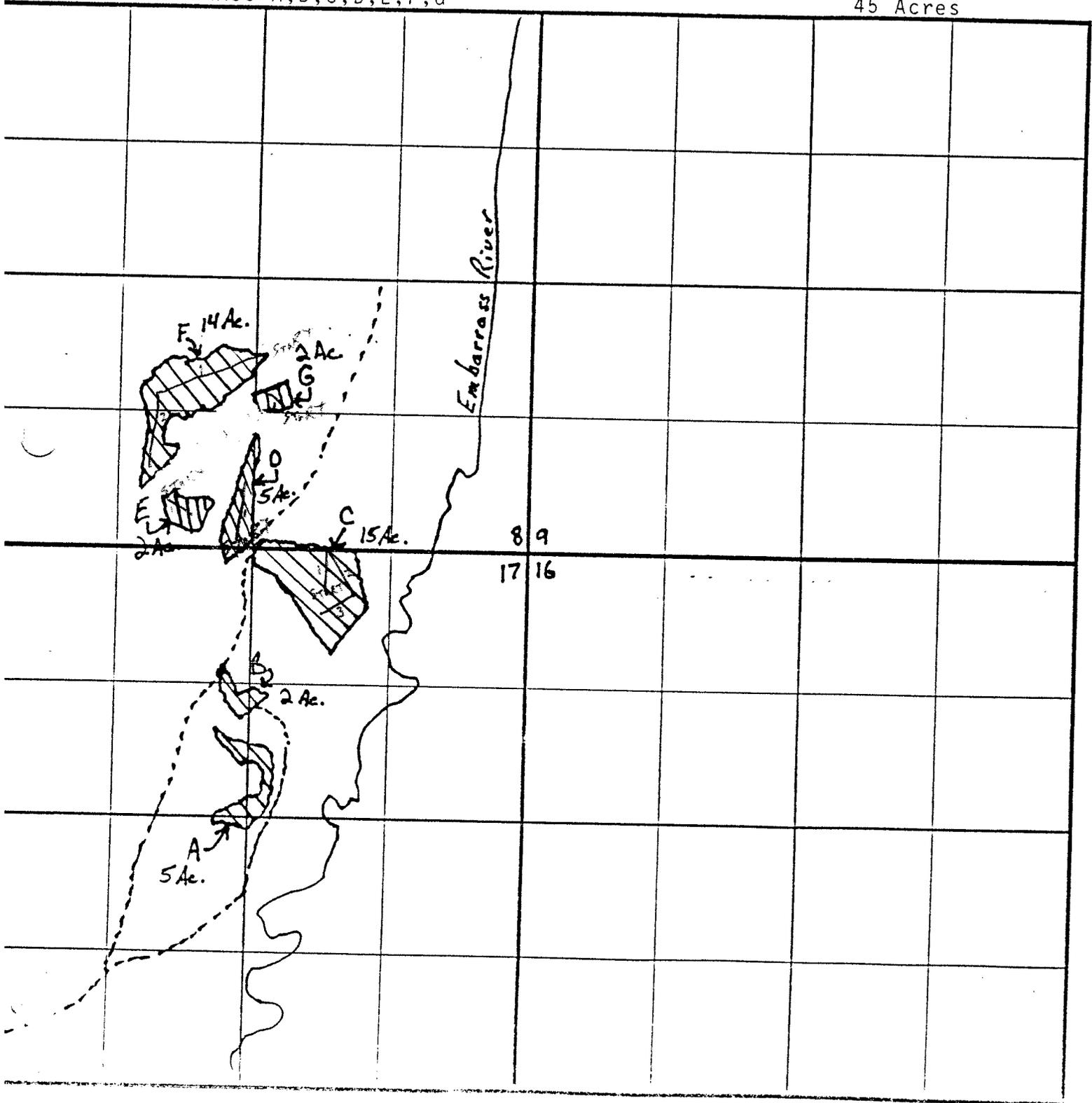
DATE 12-4-85

SECTION 8,17 TOWNSHIP 57N RANGE 16W

COUNTY St. Louis STATE Minnesota SCALE 1" = 1/4 mi.

EMBARRASS A,B,C,D,E,F,G

45 Acres



PROJECT NAME: EMBARRASS A-G

SECTION: 8 and 17

SITE ACRES: 45

TOWNSHIP RANGE: 5716

POLYGON ID:

PROJECT NUMBER: D03870013-16

CHEMICAL SITE PREPARATION

	RATE/ACRE :	ACRES-CSP:	YEAR-CSP:
CHEMICAL 1: PRONONE	20 LB/AC	45	1987
CHEMICAL 2:		CONTRACTOR-CSP:	DLI
CHEMICAL 3:		COST/ACRE-CSP:	91
		TOTAL COST-CSP:	4095

MECHANICAL SITE PREPARATION

TYPE:	ACRES-MSP:	YEAR-MSP:	CONTRACTOR-MSP:	COST/ACRE-MSP:	TOTAL COST-MSP:
RAKED	45	1986	DLI		

PLANTING

SPECIES PLANTED:	TREES/ACRE:	TOTAL TREES:	ACRES:	YEAR	CONTRACTOR-P:
RED PINE-BR	775	37000	45	1987	DLI

COST/ACRE-P:
 TOTAL COST-P:

RELEASE

RELEASE/TYPE	CHEMICAL:	RATE/ACRE:	ACRES:	YEAR:	CONTRACTOR-R:

COST/ACRE-R:
 TOTAL COST-R:

REGENERATION SURVEYS

LAST INSP YEAR: 1997

FIRST SPECIES:	% STOCKING-1:	SECOND SPECIES:	% STOCKING-2:	THIRD SPECIES:	% STOCKING-3:
JACK PINE	100	RED PINE	20		

TOTAL % STOCKING: 100

TREES/ACRE: LOTS

CONDITION: 2

NEXT INSP YEAR: EST

PLANTATION RECORDS

PROJECT NAME: FIRETRAIL A

SECTION: 17

SITE ACRES: 55

TOWNSHIP RANGE: 5716

POLYGON ID: 2002,2003

PROJECT NUMBER: D03850025

CHEMICAL SITE PREPARATION

CHEMICAL 1:		RATE/ACRE :		ACRES-CSP:		YEAR-CSP:	
CHEMICAL 2:				CONTRACTOR-CSP:			
CHEMICAL 3:				COST/ACRE-CSP:			
				TOTAL COST-CSP:			

MECHANICAL SITE PREPARATION

TYPE:	ACRES-MSP:	YEAR-MSP:	CONTRACTOR-MSP:	COST/ACRE-MSP:	TOTAL COST-MSP:
SHEAR	55	1985	DLI		

PLANTING

SPECIES PLANTED:	TREES/ACRE:	TOTAL TREES:	ACRES:	YEAR:	CONTRACTOR-P:
RED PINE-BR			55	1985	DLI

COST/ACRE-P: _____
TOTAL COST-P: _____

RELEASE

RELEASE/TYPE	CHEMICAL:	RATE/ACRE:	ACRES:	YEAR:	CONTRACTOR-R:	DLI
CHEM	VELPAR	SPOT	55	1986	COST/ACRE-R:	
					TOTAL COST-R:	

REGENERATION SURVEYS

LAST INSP YEAR: 1991

FIRST SPECIES:	% STOCKING-1:	SECOND SPECIES:	% STOCKING-2:	THIRD SPECIES:	% STOCKING-3:
RED PINE	71	JACK PINE	27		

TOTAL % STOCKING: 82 **TREES/ACRE:** 778

CONDITION: 2
NEXT INSP YEAR: EST

SECTION PLAT SHEET

OWNER St. Louis County

DATE 9-20-84

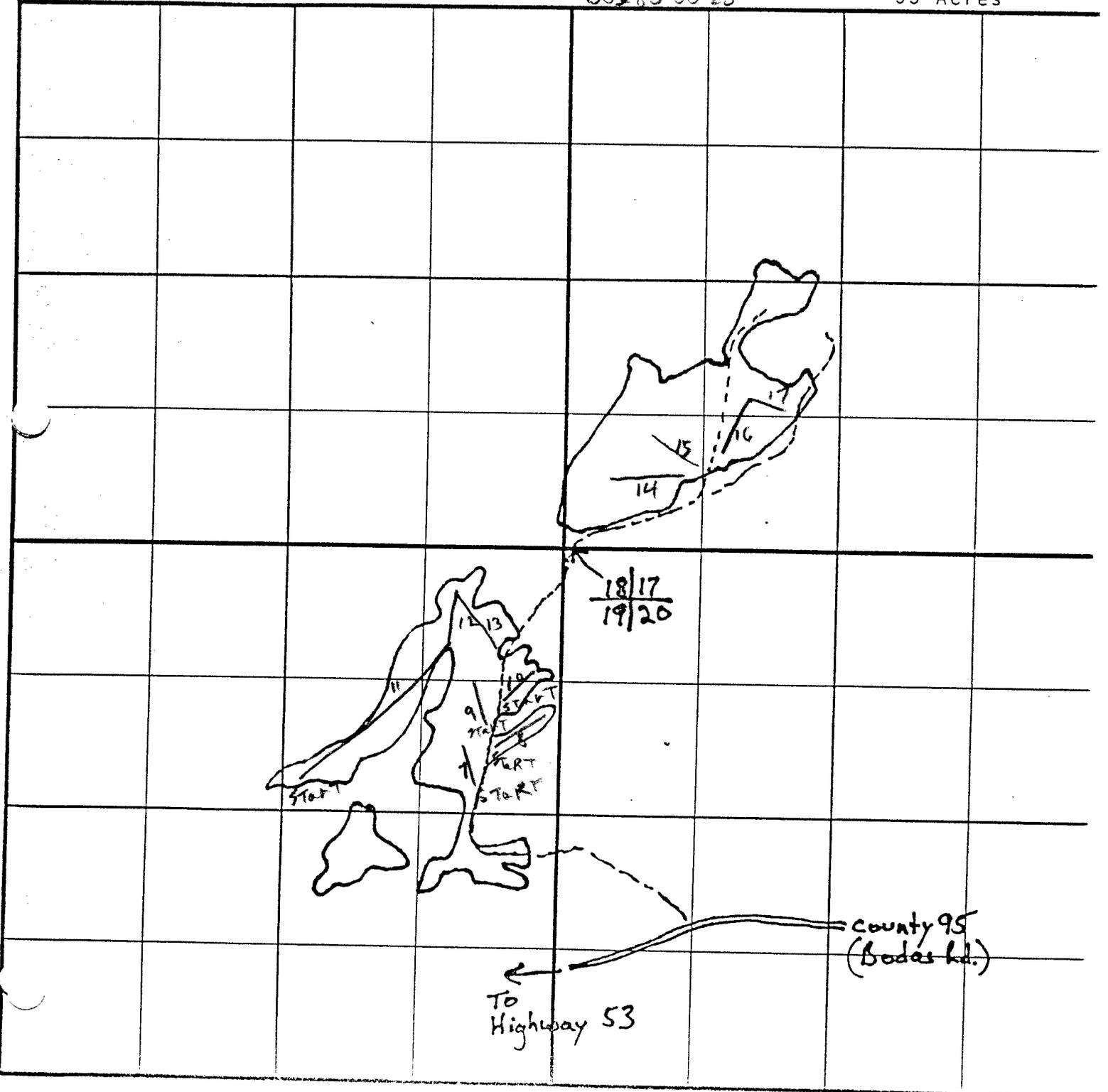
SECTION 17,18,19 TOWNSHIP 57N RANGE 16W

COUNTY St. Louis STATE Minnesota SCALE 1" = 1/2 mi.

FIRE TRAIL SITE 1

00385 0025

55 Acres



REGENERATION SURVEY REPORT

PROJECT NAME: FIRETRAIL A

LEGAL DESC: 571617

PROJECT NUMBER: D03850025 SEQUENCE: 03 OFFICE: 2 ZONE:

November 15, 1991

SPECIES	STOCKING %	TREES/ ACRE	TREES/ PLOT	ST. DEV.	C.V.	ERROR	AVG.HT. (FT)
PINE_RED	70.9	549.1					
PINE_JACK	27.3	229.1					
SPRUCE_BL	10.9	309.1					
SPRUCE_WH	2.7	36.4					
	0.0	0.0					
	0.0	0.0					
	0.0	0.0					
ALL SPECIES	81.8	1,123.6	2.81	3.97	141.3	26.9	2.27

COMPETITION

TYPE	%	DENSITY	%
NONE	= 9	FEW TO NONE	= 9
HERBS	= 1	GROUND COVER	= 71
GRASS	= 7	TREE HEIGHT	= 8
GRASS & HERBS	= 11	OVERTOPPING	= 10
WOODY STEMS	= 5		
MIXED	= 0		
HERBS & WOODY	= 64		

AVERAGE COMPETITION SIZE (FT)= 1.18

PRINTED 110 of the 1,252 records.

REGENERATION SURVEY

Project Name: Fire Trail 3-1-1
 Project No.: 003890025 (seq 3)
 Date: 11-15-90
 Twp: 57 N Rng: 16 W
 Survey By: DAVID HADLEY

Legal Description: NWSE
 Acres: 55
 Sec: 19
 Plot Size: 400 AC

Line Plot	Stockable Plot	Species Code				Average Ht Of Trees	Competition			Comments
		RP	SP	BS	WS		Type	Size	Density	
1-1	0	1				0.5	6	1	3	Swallow
1-2	0		4			3	0		0	
1-3	0	4	1	1		2.5	6	1	2	
1-4	0	2		17		3.0	3		1	
1-5	0	3				3.0	1		1	
1-6	0						3		1	
1-7	0	2				3.0	3		1	
1-8	0	1					3		1	
2-1	0						3		1	
2-2	0						3		1	
2-3	0	3				2.0	3		1	
2-4	0	1				2.0	0		0	
2-5	0	3				2.0	0		0	
2-6	0	3				3.5	0		0	
2-7	0		1			1.5	2		1	
2-8	0		2			2.0	0		0	
3-1	0	1			1	1.0	2		2	
3-2	0	4				3.0	2		2	
3-3	0	2	1			3.0	4	1	1	Blackberry
3-4	0		1	23			1		1	
3-5	0		1			6.0	4		1	
3-6	0			4		0.5	4	1	1	

Comp. Type:	0 - none	Dens:	0 - very few to none
	1 - herbs		1 - ground cover, no shade to trees
	2 - grass		2 - same height as trees
	3 - grass and herbs		3 - overtopping trees
	4 - woody stems		
	5 - mixed		
	6 - herbs & woody stems		
Page <u>1</u> of <u>3</u>		<i>J. George</i>	

REGENERATION SURVEY

Project Name: Red Tail Creek
 Project No.: _____
 Date: 11-15-90
 Twp: 57 N Rng: 12 W
 Survey By: DAVID H. RAIN

Legal Description: NE 1/4
 Acres: 55 Plot Size: 1/400 AC. Sec: 10

Line Plot	Stockable Plot	Species Code				Average Ht Of Trees	Competition			Comments
		RP	JP	BS			Type	Size	Density	
4-1	0						6	3	1	
4-2	0						3		1	HAZ.
4-3	2						2		0	
4-4	0		1			1.0	0		0	
4-5	0	1				1.5	6	7	3	Aspen
4-6	0	2				1.0	6	2	3	Bramble
4-7	0	2	7	3		3.0	3		2	
4-8	0	1	1	8		3.5	6	1	1	
4-9	0	1				1.5	6	7	3	Aspen
5-1	0			3		4	3		1	
5-2	0	1	1			2.5	0		0	
5-3	0	1				2.0	6	1	1	
5-4	0	1	1			2.0	2		3	
5-5	0	1	2			4	3		1	
5-6	0	3				1.5	2		3	
5-7	0	2				1.5	6	2	3	
5-8	0						6		1	
5-9	0						0		0	
5-10	0						2		1	
5-11	0						4		1	
5-12	0						4		1	
6-1	0						2		1	

Comp. Type:	0 - none	Dens:	0 - very few to none
	1 - herbs		1 - ground cover, no shade to trees
	2 - grass		2 - same height as trees
	3 - grass and herbs		3 - overtopping trees
	4 - woody stems		
	5 - mixed		
6 - herbs & woody stems			
Page <u>2</u> of <u>3</u>		6	

REGENERATION SURVEY

Project Name: Filtration Site 1
 Project No.: 103850025 (Seq. 3)
 Date: Nov. 19, 1990
 Twp: 57 N Rng: 16 W
 Survey By: David Haralab

Legal Description: SW 1/4 Sec: 19
 Acres: 55 Plot Size: 1/400 AC

Line Plot	Stockable Plot	Species Code				Average Ht Of Trees	Competition			Comments
		RP	SP	BS	WS		Type	Size	Density	
7-1	0	4	1	4		3.0	6	1	1	Clayberry
7-2	0	3				3.5	6	1	1	
7-3	0	2				2.0	6	1	1	
7-4	0	4		1		3.6	6	1	1	
7-5	0	3		1		3.0	6	1	1	
7-6	0			1	1	1.0	6	1	2	
7-7	0			1	8	1.0	6	1	2	
7-8	0	1				3.0	6	1	1	
8-1	0	2				2.5	6	1	1	
8-2	0	3				3.0	6	1	1	
8-3	0	2				3.0	6	1	1	
8-4	0	1				2.0	6	1	1	
8-5	0						6	2	1	
9-1	0	3				2.5	6	1	1	
9-2	0	2				2.5	6	1	1	
9-3	0	2				3.0	6	1	1	
9-4	0	3				2.0	6	1	1	
9-5	0						6	1	1	
10-1	0	1				1.5	6	1	1	
10-2	0	3	1	19		3.0	6	1	1	
10-3		1				2.5	6	1	1	

Comp. Type:	0 - none	0 - very few to none
	1 - herbs	1 - ground cover, no shade to trees
	2 - grass	2 - same height as trees
	3 - grass and herbs	3 - overtopping trees
	4 - woody stems	
	5 - mixed	
	6 - herbs & woody stems	

Dens: _____

Page 1 of 3

4 6

REGENERATION SURVEY

Project Name: Fire trail site 1

Project No.: _____

Date: 1990

Legal Description: SW 1/4

Sec: 19

Twp: 57 N Rng: 16 W

Acres: 55

Plot Size: 1/400 Ac

Survey By: David H. Kala

Line Plot	Stockable Plot	Species Code				Average Ht Of Trees	Competition			Comments
		RP	JP				Type	Size	Density	
11-1	0	2				2.0	6	1	1	Discard
11-2	0	2				2.0	6	7	3	Hsp.
11-3	0	1				2.0	6	1	1	Blueberry
11-4	0		9			2.0	6	1	1	Sweetfern
11-5	0	2	1			2.0	6	1	1	"
11-6	0					2.0	6	1	1	Blueberry
11-7	0	1				1.0	6	1	2	"
11-8	0	3				2.0	6	1	1	"
11-9	0					2.0	6	1	1	"
11-10	0	1				2.0	6	1	1	"
11-11	0					2.0	6	1	1	"
12-1	0									
12-2	0	3					3	1	1	
12-3	0	1				0.5	6	5	1	Willow
12-4	0	1				2.0	6	1	1	Blueberry
13-1	0	1	1			3.0	6	1	1	"
13-2	0	2	1			2.0	6	1	1	"
13-3	0	3				1.5	6	1	1	"
13-4	0	2				1.5	6	1	1	"
13-5	0	1				3.0	6	1	1	"
13-6	0					2.0	6	1	1	"
13-7	0						6	1	1	"

Comp. Type:	0 - none	0 - very few to none
	1 - herbs	1 - ground cover, no shade to trees
	2 - grass	2 - same height as trees
	3 - grass and herbs	3 - overtopping trees
	4 - woody stems	
	5 - mixed	
	6 - herbs & woody stems	

Dens: _____

Page 2 of 3

5 6

REGENERATION SURVEY

Project Name: Fire Trail Site 1

Project No.: _____

Date: 1990

Legal Description: SW 1/4

Sec: 19

Twp: 57 N Rng: 16 W

Acres: 55

Plot Size: 1400 Ac.

Survey By: David Harkala

Q13
Q14
Q15

Q16
Q17

Q18

Line Plot	Stockable Plot	Species Code				Average Ht Of Trees	Competition			Comments
		KP	JP				Type	Size	Density	
14-1	0	2				1.5	6	1	1	Blueberry
14-2	0	1				2.0	6	1	1	"
14-3	0	2	2			2.5	6	1	1	"
14-4	0	1	1			2.5	6	1	1	"
14-5	0	2	1			3.0	6	1	1	"
14-6	0						3	1	1	
15-1	0	1				3.0	6	1	1	"
15-2	0	3				2.5	6	8	3	ASP
15-3	3						6	4	1	Raspberry
16-1	0	3	2			2.5	6	1	1	Blueberry
16-2	0	3	3			3.0	6	1	1	"
16-3	0	4	3			2.5	6	1	1	"
16-4	0	1	1			2.5	6	1	1	"
16-5	0	3	1			2.0	6	1	1	"
16-6	0	1	6			2.0	6	1	1	"
17-1	0	2				1.5	6	10	3	ASP
17-2	0	2	4			1.5	6	1	1	Blueberry
17-3	0	1				1.0	6	1	2	"
17-4	0	1				1.5	6	1	1	"
17-5	0	1				1.5	6	5	3	ASP
17-6	0		1			4.5	6	8	3	"

Comp. Type:	0 - none	0 - very few to none
	1 - herbs	1 - ground cover, no shade to trees
	2 - grass	2 - same height as trees
	3 - grass and herbs	3 - overtopping trees
	4 - woody stems	
	5 - mixed	
	6 - herbs & woody stems	
Dens:		Page <u>3</u> of <u>3</u>
		<u>6</u> <u>6</u>

ST. LOUIS COUNTY LAND DEPARTMENT
FOREST MANAGEMENT PROJECT PROPOSAL

Kristin - revised from 12-13-07
- determined better acreage

Date: 1-14-07 Submitted by: Nick Hoff Zone: Virg.

Site Name: Turkey Pine

Location: Subd. NE1/4-SW1/4, NW1/4-SE1/4 Predominant Section 19 Twp 57 Range 16

Acres: 15 Traversed* Soil Type: loamy sand

HARVEST INFORMATION/SITE HISTORY:

Operation Start (Mo/Yr): 11-07 Operation Completion (Mo/Yr): 1-08 Previous Cover Type: JP-A-BS

Other Info: Sale cut with ~~GPS~~ C.T.L.

MANAGEMENT PRESCRIPTION (To Include Justification, Timing, Potential Problems, Access, Etc.):

The soils in this area consist of loamy sand material. Cover type prior to harvest consisted of ASP ~ JP/BS. The prescription is to site prep these sites for planting Black Spruce on the upland areas. There is a summer woods roads to each unit.

SITE PREPARATION - CHEMICAL (Year, Season, Chemical, Rate, Target Species)

Garlon 4 RT - 1.5 gts/ac - Control Aspen/Hazel on site } incidental wetlands in a couple of areas of presen. area.

Dust 1oz/ac - controls grasses and forbes on the site } Summer 2008

SITE PREPARATION - MECHANICAL (Year, Season, Prep. Type, Notes):

Disk trench fall 2008

PLANTING (Year, Season, Species, Bare-root or Container, Spacing, Total Tree #):

Spring 2009 plant Black Spruce containers 7x8' spacing (775 tr./ac.)
which totals 11,625 trees

RELEASE (Year, Season, Mechanical or Chemical, Rate, Target Species):

To be determined after planting.

AERIAL SEEDING (Year, Season, Species, Ounces/Acre):

CULTURAL (Year, Season, Description of Cultural Treatment):

NOTE: Each project proposal will include a map (suitable for including in a contract package) and traversed acreage figure.

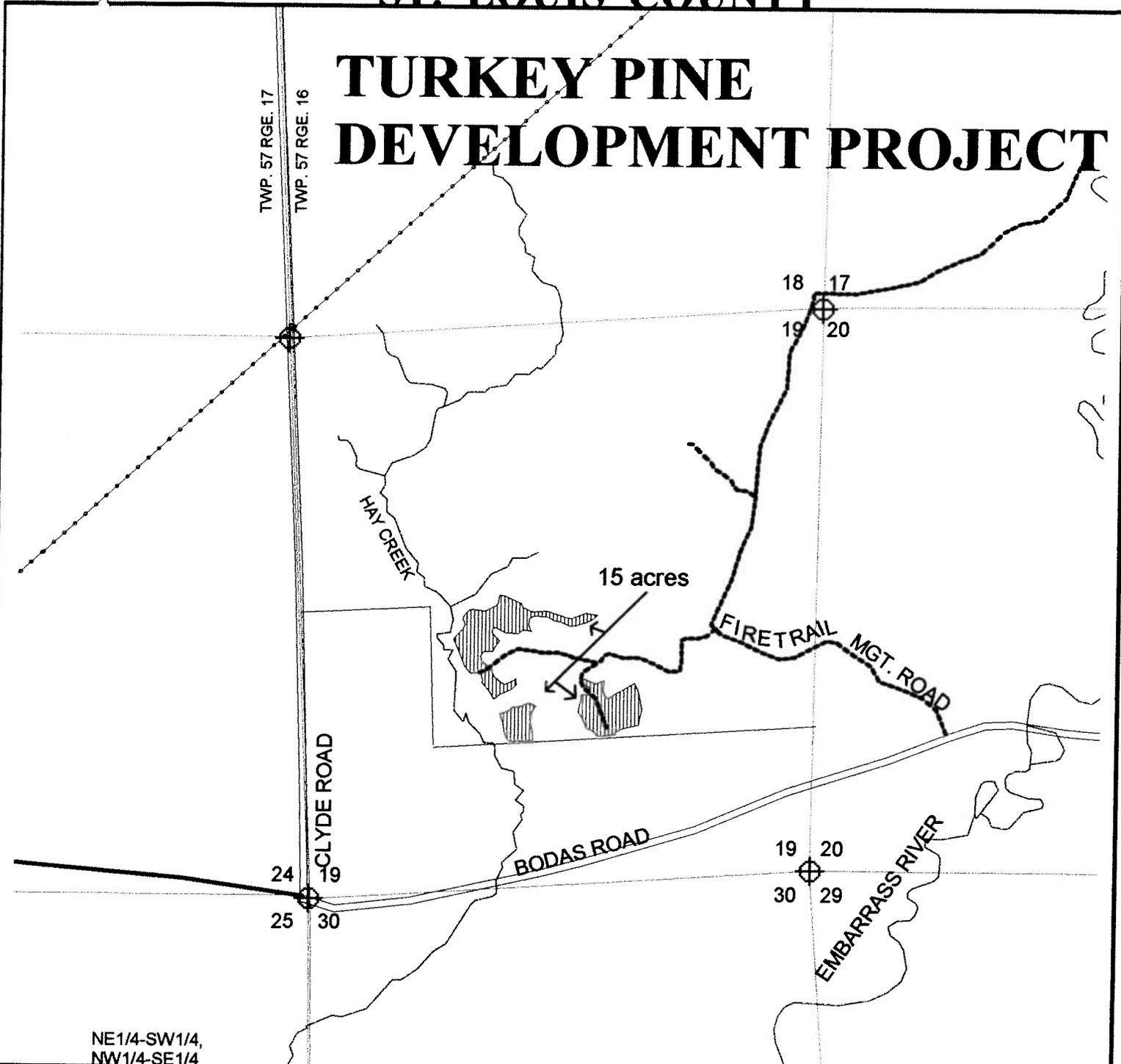
* If good acreage without traverse here how? Acreage determined by GPS traverse.

Map located: N:\Projects_DEVELOPMENT_MAP_SCANS\2008 Projects Maps\Virginia\Herbicide + Iron

Shapefiles: N:\Projects_SHAPEFILES\2008 Mechanical - Site - Prep\Virginia

ST. LOUIS COUNTY

TURKEY PINE DEVELOPMENT PROJECT



NE1/4-SW1/4,
NW1/4-SE1/4
SEC. 19, TWP.57-RGE.16

LEGAL

DATE 12-14-07

PREPARED BY: NICK HOFF

Photo ID is
This drawing is neither a legally recorded map nor a survey and is not intended to be used as such. This drawing is a compilation of recorded information and data located in various city, county, state, federal offices, and other sources affecting the area and is to be used for the intended purpose only. St. Louis County is not responsible for any incorrectness herein. If inconsistencies are found, please contact this office.



4 inches = 1 mile | 1/4 mile
1 inch

- SITE PREP AND PLANTING AREA BOUNDARY'S FLAGGED
- SUMMER WOODS ROAD
- GRAVEL ROAD
- SECTION CORNER

Herbicide Application Inspection List

Site ID: Turkey Pine
Inspector: Hoff
Operator: Future Forest
Inspection type: Interim Final Audit Other

Contract Nbr(4Digit): 4745
Date: 7-10-08

General

Petroleum products

2 3 4 5 6 Fueling and fuel storage outside of RMZ's, filter strips and wetlands.

Emergency response

2 3 4 5 6 Appropriate communications equipment
 2 3 4 5 6 Spill kits on site
1 2 3 5 6 Spills handled according to procedure

Misc

2 3 4 5 6 No garbage or waste left from operations
 2 3 4 5 6 Appropriate signs in place and visible

Fire prevention

2 3 4 5 6 Fire equipment on site and employees aware of location and proper use

Riparian zones and other sensitive areas

2 3 4 5 6 Filter strips in place according to site project plan

Herbicide Application

- 1 2 3 4 5 6 Treatment in accord with site project plan.
1 2 3 4 5 6 Application within approved boundary
 1 2 3 4 5 6 All previous water diversion and filter strips left intact.
 1 2 3 4 5 6 Work conducted within contract period
1 2 3 4 5 6 Posting removed after re-entry period.

Comments:

Aerial Site Prep Release Plantskydd Acres 15
Weather: Temp 75° Wind Speed/Direction 3mph East wind RH% 6
Sky cloudy
Start Time 4:30 End Time 5:45 pm
Product and Rate: Garlon 4-XRT 1.5gt./ac
oust-xp 1.0gt./ac

Additional Comments:

delimited wet spots on the ground to be reserved from spraying +/- 1.0 ac. Informed operator of reserve areas that are ribboned in pink.

Herbicide Application Inspection List

Site ID: ~~000000~~ Turkey Line

Contract Nbr(4Digit): # 4745
Date: 9-17-08

Inspector: Hoff

Operator: Future Forest

Inspection type: Interim Final Audit Other

General

Petroleum products

1 2 3 4 5 6 Fueling and fuel storage outside of RMZ's, filter strips and wetlands.

Emergency response

1 2 3 4 5 6 Appropriate communications equipment

1 2 3 4 5 6 Spill kits on site

1 2 3 4 5 6 Spills handled according to procedure

Misc

1 2 3 4 5 6 No garbage or waste left from operations

1 2 3 4 5 6 Appropriate signs in place and visible

Fire prevention

1 2 3 4 5 6 Fire equipment on site and employees aware of location and proper use

Riparian zones and other sensitive areas

1 2 3 4 5 6 Filter strips in place according to site project plan

Herbicide Application

1 2 3 4 5 6 Treatment in accord with site project plan.

1 2 3 4 5 6 Application within approved boundary

1 2 3 4 5 6 All previous water diversion and filter strips left intact.

1 2 3 4 5 6 Work conducted within contract period

1 2 3 4 5 6 Posting removed after re-entry period.

Comments:

Aerial Site Prep Release Plantskydd Acres _____

Weather: Temp _____ Wind Speed/Direction _____ RH% _____

Sky _____

Start Time _____ End Time _____

Product and Rate:

Additional Comments:

Recieved Aerial photo of site.

Recommend to pay Contractor (Future Forest) in Full.

Inspection codes: 1 = Satisfactory, 2 = Needs Improvement, 3 = Unacceptable,
4 = Not Applicable, 5 = Not Inspected, 6 = To be completed

Mechanical Site Preparation Inspection List

Site ID: ~~PROBING~~ Turkey Pine
Inspector: Hoff/Anderson
Operator: Future Forest
Inspection type: Interim Final Audit Other

Contract Nbr(4 digit): 4751
Date: 10-15-08

General

Petroleum products

1 2 3 4 5 6 Fueling and fuel storage outside of RMZ's, filter strips and wetlands.

Emergency response

1 2 3 4 5 6 Appropriate communications equipment

1 2 3 4 5 6 Spill kits on site

1 2 3 4 5 6 Spills handled according to procedure

Misc

1 2 3 4 5 6 No garbage or waste left from operations

Fire prevention

1 2 3 4 5 6 Fire equipment on site and employees aware of location and proper use

Riparian zones and other sensitive areas

1 2 3 4 5 6 Filter strips in place according to site project plan

1 2 3 4 5 6 Any significant cultural or historic sites are reported and protected

Aesthetics

1 2 3 4 5 6 Mud tracked onto highway minimized

Site Preparation

- 1 2 3 4 5 6 Treatment in accord with site project plan.
- 1 2 3 4 5 6 No alteration of soils beyond project plan.
- 1 2 3 4 5 6 Operating within approved boundary.
- 1 2 3 4 5 6 All previous water diversion structures and filter strips left intact.
- 1 2 3 4 5 6 Slash and windrow heights minimized.
- 1 2 3 4 5 6 Work conducted within contract period.
- 1 2 3 4 5 6 Designated access used.
- 1 2 3 4 5 6 No operational debris in watercourses or wetlands.
- 1 2 3 4 5 6 No unnecessary damage to residual stands or trees
- 1 2 3 4 5 6 Followed contours (use 1 if acceptable contouring, 4 if no contouring)

Comments:

Anchor Chain Salmon Blade Disk Trench (record ave. trench width)

Trenched site. 27 trenches for 211' = 7.8' Avg trench
36 trenches for 264' = 7.3' Avg trench

Acceptable spacing agree to pay in full.

2 wet holes on site looked them over w/ George. He trenched through them as much as he could before it got too soft, then he went around the wet spots.

Inspection codes: 1 = Satisfactory, 2 = Needs Improvement, 3 = Unacceptable,
4 = Not Applicable, 5 = Not Inspected, 6 = To be completed

ST. LOUIS COUNTY LAND DEPARTMENT
FOREST MANAGEMENT PROJECT PROPOSAL

Date: 10-28-04 Submitted by: Nick Hoff Zone: Virginia
Site Name: Fired UP Sale C19010099
Location: Subd. ^{SW 1/4 - NE 1/4} SE 1/4 - NW 1/4 and NE 1/4 - SW 1/4 Predominant Section 17, 17, 20 Twp 57 Range 16
Acres: 14 Traversed* Soil Type: Loamy Sand

HARVEST INFORMATION/SITE HISTORY:

Operation Start (Mo/Yr): 9-2002 Operation Completion (Mo/Yr): ^{Fall} 2004 Previous Cover Type: Red Pine/A.
Other Info: SI for Red Pine is 65, Aspen is 55

MANAGEMENT PRESCRIPTION (To Include Justification, Timing, Potential Problems, Access, Etc.):

This prescription has 3 sites for managing; 4 ac, 3 ac, 7 ac blocks. These blocks have sparse aspen naturally regenerating, and red pine would be best suited for these blocks because of the soil conditions. Access to these sites is right off the Fire Tra Management.

SITE PREPARATION - CHEMICAL (Year, Season, Chemical, Rate, Target Species):

Summer 2005 ~ Garlon 4 2 qt./ac to control aspen regen and woody vegi.
Bust 1 oz./ac to control grass competition.

SITE PREPARATION - MECHANICAL (Year, Season, Prep. Type, Notes):

Fall 2005 ~ Trenching

PLANTING (Year, Season, Species, Bare-root or Container, Spacing, Total Tree #):

Spring 2006 ~ Plant with red pine containers
7' x 8' spacing (775 trees/ac) = 10,850 trees total

RELEASE (Year, Season, Mechanical or Chemical, Rate, Target Species):

Site will be monitored for scheduled release. Possibly in 2008

AERIAL SEEDING (Year, Season, Species, Ounces/Acre):

N/A

CULTURAL (Year, Season, Description of Cultural Treatment):

N/A

NOTE:

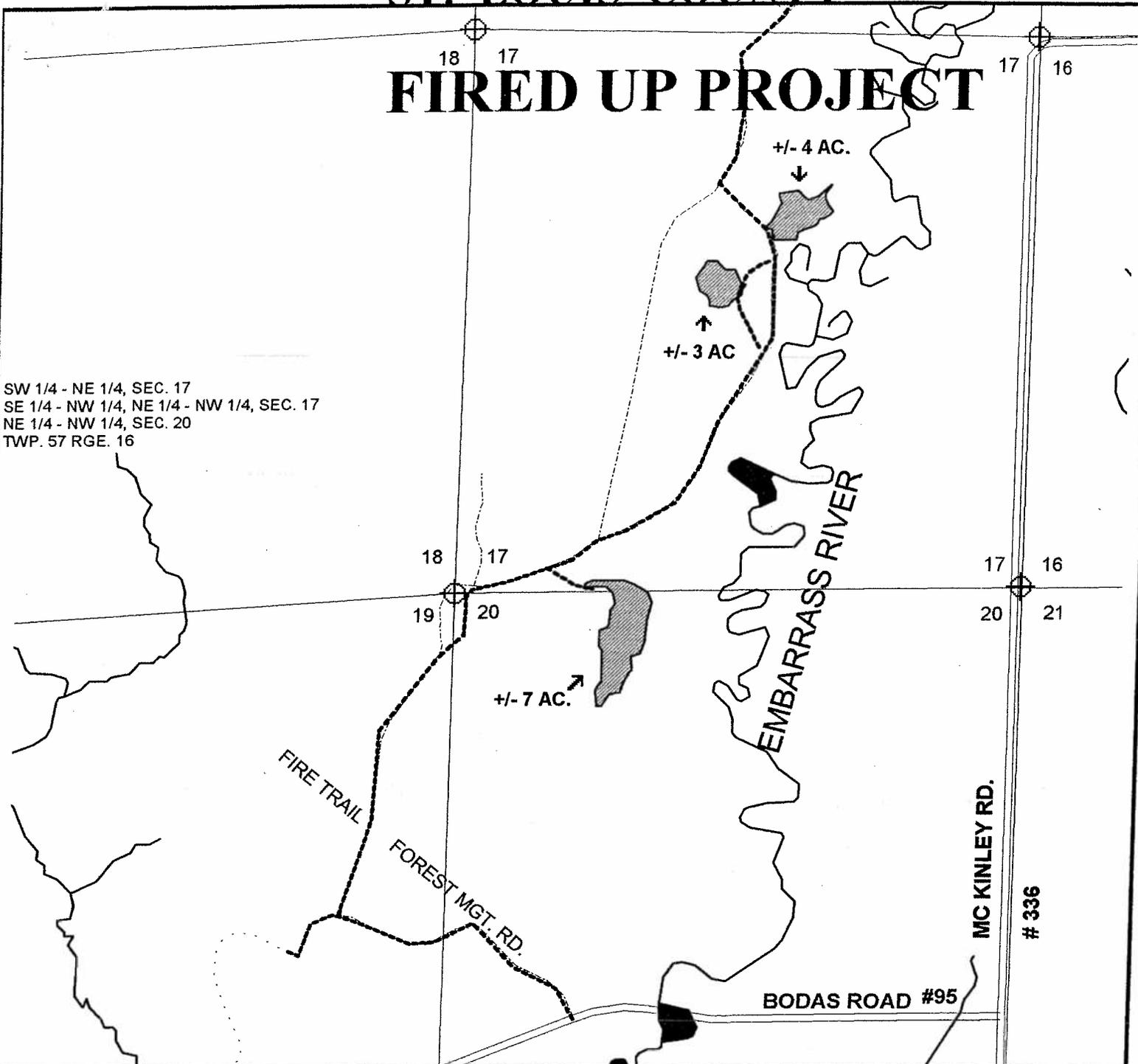
Each project proposal will include a map (suitable for including in a contract package) and traversed acreage figure.

* If good acreage without traverse here how? _____

ST. LOUIS COUNTY

FIRED UP PROJECT

SW 1/4 - NE 1/4, SEC. 17
 SE 1/4 - NW 1/4, NE 1/4 - NW 1/4, SEC. 17
 NE 1/4 - NW 1/4, SEC. 20
 TWP. 57 RGE. 16



LEGAL SEE ABOVE

DATE 9-13-04

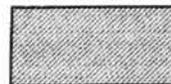
PREPARED BY: HOFF

Photo ID is SLS 22-19



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PINK RIBBONING



- DEVELOPMENT AREA MARKED WITH PINK RIBBONING

- SECTION CORNER



- GRAVEL ROAD



- WOODS ROAD
 FIRE TRAIL FOREST MGT. ROAD

4 inches = 1 mile 1/4 mile
 1 inch

Herbicide Application Inspection List

Site ID: Fired Up

Contract Nbr(4Digit): 4775

Inspector: Skurda

Date: 10-11-08

Operator: Superior Forestry

Inspection type: Interim Final Audit Other

General

Petroleum products

2 3 4 5 6 Fueling and fuel storage outside of RMZ's, filter strips and wetlands.

Emergency response

2 3 4 5 6 Appropriate communications equipment

2 3 4 5 6 Spill kits on site

1 2 3 5 6 Spills handled according to procedure

Misc

2 3 4 5 6 No garbage or waste left from operations

1 2 3 5 6 Appropriate signs in place and visible

Fire prevention

2 3 4 5 6 Fire equipment on site and employees aware of location and proper use

Riparian zones and other sensitive areas

2 3 4 5 6 Filter strips in place according to site project plan

Herbicide Application

2 3 4 5 6 Treatment in accord with site project plan.

2 3 4 5 6 Application within approved boundary

2 3 4 5 6 All previous water diversion and filter strips left intact.

2 3 4 5 6 Work conducted within contract period

1 2 3 5 6 Posting removed after re-entry period.

Comments:

Aerial Site Prep Release Plantskydd Acres 14

Weather: Temp 60° Wind Speed/Direction S RH% 75%

Sky Sunny at start/Then cloudy

Start Time 11:00 AM End Time 1:00pm

Product and Rate:

Plantskyd
2.2 lbs/1.5 gallon of water

Additional Comments:

Foliage was dry at time of spraying and it was sunny. Small shower came out of the south after they finished spraying, then sun came back out. Lots of deer hunters in the area. This should help browse damage.

Inspection codes: 1 = Satisfactory, 2 = Needs Improvement, 3 = Unacceptable,
4 = Not Applicable, 5 = Not Inspected, 6 = To be completed

Herbicide Application Inspection List

Site ID: Fired Up

Contract Nbr: CSP-05-16

Inspector: SKURLA

Date: 7-22-05

Operator: Suttonson

Inspection type: Interim Final Audit Other

General

Petroleum products

1 2 3 4 5 6 Fueling and fuel storage outside of RMZ's, filter strips and wetlands.

Emergency response

1 2 3 4 5 6 Appropriate communications equipment

1 2 3 4 5 6 Spill kits on site

1 2 3 4 5 6 Spills handled according to procedure

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1 2 3 4 5 6 Work conducted within contract period

1 2 3 4 5 6 Posting removed after re-entry period.

Comments:

Started spraying @ 10:00 AM

Finished spraying @ 11:30 PM

Temp 72° Humidity 60% Wind: None A few scattered clouds

Site was re-ribbon and operator had no problems seeing line boundary

Site was dry and no wetland inclusions.

Herbicide Application Inspection List

Site ID: Fired Up

Contract Nbr: CSP-05-16

Inspector: SKURLA

Date: 8-5-05

Operator: George Swanson

Inspection type: Interim Final Audit Other

General

Petroleum products

1 2 3 4 5 6 Fueling and fuel storage outside of RMZ's, filter strips and wetlands.

Emergency response

1 2 3 4 5 6 Appropriate communications equipment

1 2 3 4 5 6 Spill kits on site

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1 2 3 4 5 6 All previous water diversion and filter strips left intact.

1 2 3 4 5 6 Work conducted within contract period

1 2 3 4 5 6 Posting removed after re-entry period.

Comments:

Signs Removed!! Willow on site has really browned up!! Looks good.

Herbicide Application Inspection List

Site ID: Fired Up Contract Nbr: CSP-05-16
Inspector: SKURLA Date: 9-20-05
Operator: George Swanson / Estue Forests
Inspection type: Interim Final Audit Other

General

Petroleum products

1 2 3 4 5 6 Fueling and fuel storage outside of RMZ's, filter strips and wetlands.

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1 2 3 4 5 6 Posting removed after re-entry period.

Comments:

Received aerial photos of herbicide application results. It appears from photos that herbicide coverage was satisfactory.

Inspection codes: 1 = Satisfactory, 2 = Needs Improvement, 3 = Unacceptable,
4 = Not Applicable, 5 = Not Inspected, 6 = To be completed

Mechanical Site Preparation Inspection List

Site ID: Fired Up Contract Nbr: _____
Inspector: Skull Date: 10-4-05
Operator: Future Forest/George Swanson
Inspection type: Interim Final Audit Other

General

- Petroleum products
① 2 3 4 5 6 Fueling and fuel storage outside of RMZ's, filter strips and wetlands.
- Emergency response
① 2 3 4 5 6 Appropriate communications equipment
① 2 3 4 5 6 Spill kits on site
1 2 3 ④ 5 6 Spills handled according to procedure
- Misc
③ 2 3 4 5 6 No garbage or waste left from operations
- Fire prevention
① 2 3 4 5 6 Fire equipment on site and employees aware of location and proper use
- Riparian zones and other sensitive areas
① 2 3 4 5 6 Filter strips in place according to site project plan
1 2 3 ④ 5 6 Any significant cultural or historic sites are reported and protected
- Aesthetics
1 2 3 ④ 5 6 Mud tracked onto highway minimized

Site Preparation

- ① 2 3 4 5 6 Treatment in accord with site project plan.
- ① 2 3 4 5 6 No alteration of soils beyond project plan.
- ① 2 3 4 5 6 Operating within approved boundary.
- ① 2 3 4 5 6 All previous water diversion structures and filter strips left intact.
- ① 2 3 4 5 6 Slash and windrow heights minimized.
- ① 2 3 4 5 6 Work conducted within contract period.
- ① 2 3 4 5 6 Designated access used.
- ① 2 3 4 5 6 No operational debris in watercourses or wetlands.
- ① 2 3 4 5 6 No unnecessary damage to residual stands or trees
- ① 2 3 4 5 6 Followed contours (use 1 if acceptable contouring, 4 if no contouring)

Trenching went well. Spacing within contract specifications!
17 trenches in 140' = ⑧.23 trench spacing o.k.
42 trenches in 358' = ⑧.50' slash and some standing white pine.
40 trenches in 337' = ⑧.40 trench spacing (slash piles o.k.)

Inspection codes: 1 = Satisfactory, 2 = Needs Improvement, 3 = Unacceptable,
4 = Not Applicable, 5 = Not Inspected, 6 = To be completed
LD-MSP-009 Form 002 Rev 20050207

ST. LOUIS COUNTY LAND DEPARTMENT

FOREST MANAGEMENT PROJECT PROPOSAL

Date: 9-25-08 Submitted by: Nick Hoff Zone: Virginia

Site Name: Fired UP

Location: Subd. SW1/4-NE1/4, SE1/4-NW1/4 Predominant Section 17 Twp 57 Range 16

Acres: 7 G Traversed* Soil Type: Sandy loam

HARVEST INFORMATION/SITE HISTORY:

Operation Start (Mo/Yr): 9-2002 Operation Completion (Mo/Yr): Fall 2004 Previous Cover Type: Red Pine
Aspen
Jack Pine

Other Info:

MANAGEMENT PRESCRIPTION (To Include Justification, Timing, Potential Problems, Access, Etc.):

Site was planted to Red Pine Spring 2006. Site will have 3 ~~years~~ growing seasons and has heavy grass and willow competition. Staking was 92% as of Spring 2007.

SITE PREPARATION - CHEMICAL (Year, Season, Chemical, Rate, Target Species):

SITE PREPARATION - MECHANICAL (Year, Season, Prep. Type, Notes):

PLANTING (Year, Season, Species, Bare-root or Container, Spacing, Total Tree #):

RELEASE (Year, Season, Mechanical or Chemical, Rate, Target Species):

Spray 2009 late summer, Accord 1.5 qt./ac and Cust 1oz/ac.
Target species grass, willow

AERIAL SEEDING (Year, Season, Species, Ounces/Acre):

CULTURAL (Year, Season, Description of Cultural Treatment):

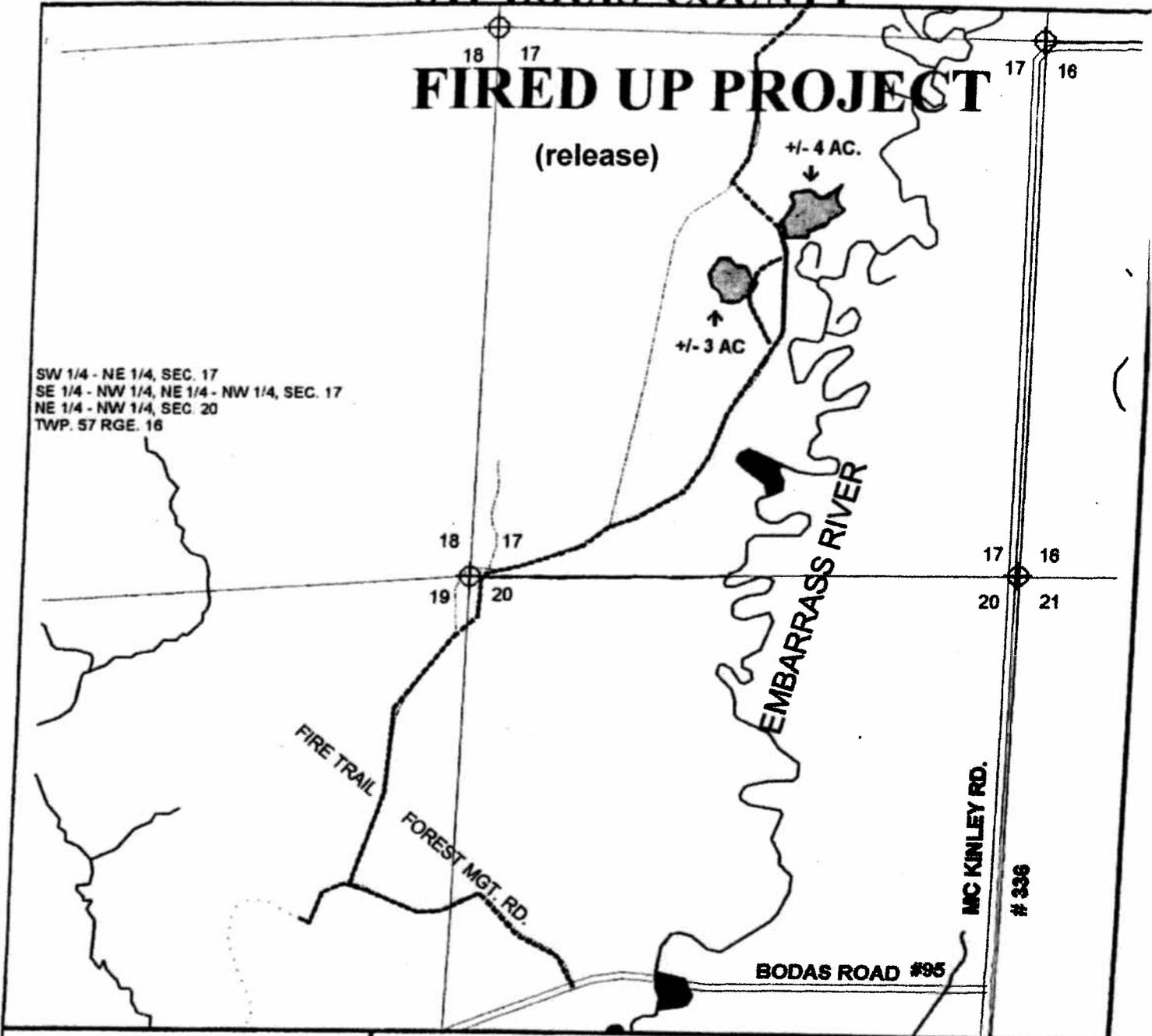
NOTE: Each project proposal will include a map (suitable for including in a contract package) and traversed acreage figure.

* If good acreage without traverse / here G how? GPS

FIRED UP PROJECT

(release)

SW 1/4 - NE 1/4, SEC. 17
SE 1/4 - NW 1/4, NE 1/4 - NW 1/4, SEC. 17
NE 1/4 - NW 1/4, SEC. 20
TWP. 57 RGE. 16



LEGAL SEE ABOVE

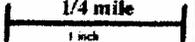
DATE 9-13-04

PREPARED BY: HOFF

Photo ID is SLS 22-19

This drawing is neither a legally recorded map nor a survey and is not intended to be used as such. This drawing is a compilation of recorded information and data located in various city, county, state, federal offices, and other sources affecting the area and is to be used for the intended purpose only. St. Louis County is not responsible for any inaccuracies herein. If inconsistencies are found, please contact this office.

-  - DEVELOPMENT AREA MARKED WITH PINK RIBBONING
-  - GRAVEL ROAD
-  - WOODS ROAD
-  - SECTION CORNER
-  - FIRE TRAIL FOREST MGT. ROAD

4 inches = 1 mile 

ARSS Data Reporting Form

Twp/Rng / Sec 5716/20 Survey Date (mm/dd/yyyy) 4/28/2009 Cruiser # (1 to 3 digit number) 59

Fired Up

COMPLETE ALL COLUMNS - EVEN IF REPLANTING

J. Muhich

regen stand structure								regen stocking success								
poly #	class stand as... art or nat	tree mix of both artificial & natural (artPS & natPS & nonPS) ⁹						artPS & natPS OOY ¹⁰	regen target	tpa	% stock	survival	free to grow ?	deer chew % stems	non-deer stress	
		species code	tpa	% comp	species code	tpa	% comp								agent or none	% stems
2003	art	52	458	48		9	17	2008	artPS	916	83	122				
		51	458	48		9	17									
		53	42	4		9	17									
				9		9	17		allPS	958	83		No	58	Deer	0
				9		9	17									
				9		9	17									
		9		9	17	allPS + nonPS	958	83								
		9		9	17											
		9		9	17											
				9		9	17		artPS	10	11	13				
				9		9	17									
				9		9	17									
				9		9	17		allPS	15	16		18		19	
				9		9	17									
				9		9	17									
		9		9	17	allPS + nonPS	21	22								
		9		9	17											
		9		9	17											
				9		9	17		artPS	10	11	13				
				9		9	17									
				9		9	17									
				9		9	17		allPS	15	16		18		19	
				9		9	17									
				9		9	17									
		9		9	17	allPS + nonPS	21	22								
		9		9	17											
		9		9	17											
				9		9	17		artPS	10	11	13				
				9		9	17									
				9		9	17									
				9		9	17		allPS	15	16		18		19	
				9		9	17									
				9		9	17									
		9		9	17	allPS + nonPS	21	22								
		9		9	17											
		9		9	17											

⁹ artPS = artificial plantation stems, natPS = natural plantation stems, allPS = all plantation stems, nonPS = non-plantation stems.

¹⁰ OOO = Official Origin Year; the year considered most-representative as an origin year for the collective artPS and natPS regeneration on the stand.

ARSS Data Reporting Form

TwpRng / Sec

5716/17

Survey Date (mm/dd/yyyy)

4-28-09

Cruiser # (1 to 3 digit number)

59

Fired Up

COMPLETE ALL COLUMNS - EVEN IF REPLANTING

J. M. G. H.

WEST
NORTH

regen stand structure									regen stocking success								
poly #	class stand as... art or nat	tree mix of both artificial & natural (artPS & natPS & nonPS) ⁹						artPS & natPS OOY ¹⁰	regen target	tpa	% stock	survival	free to grow ?	deer chew % stems	non-deer stress		
		species code	tpa	% comp	species code	tpa	% comp								agent or none	% stems	
2045	art	52	500	55		9	17	2008	artPS	500	83	67					
		51	83	9		9	17		allPS	833	100		No	60	Deer	0	
		53	250	27		9	17		allPS + nonPS	916	100		No				
		12	83	19		9	17										
				9	17		9		17								
				9	17		9		17								
2006	art	52	286	67		9	17	2008	artPS	286	57	38					
		53	71	17		9	17		allPS	357	57			18		19	
		12	71	17		9	17		allPS + nonPS	21	22						
				9	17		9		17								
				9	17		9		17								
				9	17		9		17								
				9	17		9	17	artPS	10	11	13					
				9	17		9	17	allPS	15	16			18		19	
				9	17		9	17	allPS + nonPS	21	22						
				9	17		9	17									
				9	17		9	17									
				9	17		9	17									
				9	17		9	17	artPS	10	11	13					
				9	17		9	17	allPS	15	16			18		19	
				9	17		9	17	allPS + nonPS	21	22						
				9	17		9	17									
				9	17		9	17									
				9	17		9	17									

⁹ artPS = artificial plantation stems, natPS = natural plantation stems, allPS = all plantation stems, nonPS = non-plantation stems.

¹⁰ OOO = Official Origin Year; the year considered most-representative as an origin year for the collective artPS and natPS regeneration on the stand.

Fired Up - North

(7 plots - 4 acres)

Poly 2006

4-28-09

Calculations

(round results to nearest whole number)

Assessment of artPS:

tpa & %-component: species $52 \rightarrow [1 \text{ } 4] \div [3 \text{ } 7] \times [8 \text{ } 500] = [286 \text{ tpa } 9] \div [21 \text{ } 428] \times [100] = [67 \text{ } 17]$
 tpa & %-component: species _____ $\rightarrow [1 \text{ }] \div [3 \text{ }] \times [8 \text{ }] = [\text{ tpa } 9] \div [21 \text{ }] \times [100] = [\text{ } \% 17]$
 tpa & %-component: species _____ $\rightarrow [1 \text{ }] \div [3 \text{ }] \times [8 \text{ }] = [\text{ tpa } 9] \div [21 \text{ }] \times [100] = [\text{ } \% 17]$
 tpa & %-component: species _____ $\rightarrow [1 \text{ }] \div [3 \text{ }] \times [8 \text{ }] = [\text{ tpa } 9] \div [21 \text{ }] \times [100] = [\text{ } \% 17]$
 artPS trees-per-acre (new net tpa) [sum of artPS tpa values]..... = [286 tpa 10]
 artPS % stocking..... $\rightarrow [4 \text{ } 4] \div [3 \text{ } 7] \times [100] = [57 \text{ } 11]$ (skip on diversification / underplantings)
 artPS survival..... $\rightarrow [10 \text{ } 286] \div [22 \text{ } 750] \times [100] = [38 \text{ } 13]$

Assessment of natPS:

tpa & %-component: species $53 \rightarrow [1 \text{ } 1] \div [3 \text{ } 7] \times [8 \text{ } 500] = [71 \text{ tpa } 9] \div [21 \text{ } 428] \times [100] = [17 \text{ } 17]$
 tpa & %-component: species _____ $\rightarrow [1 \text{ }] \div [3 \text{ }] \times [8 \text{ }] = [\text{ tpa } 9] \div [21 \text{ }] \times [100] = [\text{ } \% 17]$
 tpa & %-component: species _____ $\rightarrow [1 \text{ }] \div [3 \text{ }] \times [8 \text{ }] = [\text{ tpa } 9] \div [21 \text{ }] \times [100] = [\text{ } \% 17]$
 natPS trees-per-acre [sum of natPS tpa values]..... = [71 tpa 14]

Assessment of allPS:

allPS trees-per-acre..... $\rightarrow [10 \text{ } 286] + [14 \text{ } 71] = [357 \text{ tpa } 15]$
 allPS % stocking..... $\rightarrow [9 \text{ } 4] \div [3 \text{ } 7] \times [100] = [57 \text{ } 16]$ (skip on diversification / underplantings)

Assessment of nonPS:

tpa & %-component: species $12 \rightarrow [1 \text{ } 1] \div [3 \text{ } 7] \times [8 \text{ } 500] = [71 \text{ tpa } 9] \div [21 \text{ } 428] \times [100] = [17 \text{ } 17]$
 tpa & %-component: species _____ $\rightarrow [1 \text{ }] \div [3 \text{ }] \times [8 \text{ }] = [\text{ tpa } 9] \div [21 \text{ }] \times [100] = [\text{ } \% 17]$
 tpa & %-component: species _____ $\rightarrow [1 \text{ }] \div [3 \text{ }] \times [8 \text{ }] = [\text{ tpa } 9] \div [21 \text{ }] \times [100] = [\text{ } \% 17]$
 nonPS trees-per-acre [sum of nonPS tpa values]..... = [71 tpa 20]

Assessment of allPS+nonPS:

allPS+nonPS trees-per-acre..... $\rightarrow [15 \text{ } 357] + [20 \text{ } 71] = [428 \text{ tpa } 21]$
 allPS+nonPS % stocking..... $\rightarrow [6 \text{ } 5] \div [3 \text{ } 7] \times [100] = [71 \text{ } 22]$ (skip on diversification / underplantings)

% deer chew $\rightarrow [2 \text{ } 9] \div [7 \text{ } 7] \times [100] = [100 \text{ } 18]$

% non-deer stress $\rightarrow [2 \text{ } 0] \div [7 \text{ }] \times [100] = [0 \text{ } 19]$

allPS free-to-grow: yes no
 allPS+nonPS free-to-grow: yes no
 classify stand as: art nat

Plot Guide

net tpa (from ARSS Map)	type of site	plot radius	plot acres	x-factor	artPS minimum live-count per plot for "stocked"	allPS minimum live-count per plot for "stocked"	allPS+nonPS minimum live-count per plot for "stocked"
750	seeding	4.3'	1/750	750.0	1	1	3
_____	plantation	5.3'	1/500	500.0	1	1	4
_____	diversification / underplantings ⁷	11.8'	1/100	100.0	n/a	n/a	n/a

Recommendation: \otimes Interplant in 2010

Footnotes

435 T/A x 4 = 1740
 w/ W. Spruce
 or Jack Pine

- Enter the tree-count for each species at each plot of regen-size trees, live or dead, with dead in parenthesis. Enter "NS" for a non-stockable plot.
- Enter the tree-count from each plot on which evidence of deer browse (for the deer column) or non-deer stress (for that column) is observed on planted / seeded regen (whether regen is dead or alive at time of observation). Enter "0" if no browsing (nor other stress agent) is observed. Enter "NS" if the plot is on a non-stockable location.
- Enter the principal non-deer stress agent, such as: insects, disease, drought, winter kill, rabbits, competition, &etc., or none.
- Competition Type: 0 [none], 1 [herbs], 2 [grass], 3 [woody stems], 4 [mix], NS [non-stockable plot].
- Competition Size: 0 [n/a], 1 [ground cover no shade], 2 [regen height], 3 [overtopping], NS [non-stockable plot].
- Count **plots** that are **stocked**. Add up the number of plots which contain the proper minimal number, for your plot size, of desirable live stems present (see Guide).
- Do everything on the ARSS form, except for %-stocking, for diversification / underplantings.
- artPS = artificial plantation stems. natPS = natural plantation stems, allPS = all plantation stems, nonPS = non-plantation stems.

Fired Up - West (6 plots - 3 acres)

Poly 2045

Calculations
(round results to nearest whole number)

Assessment of artPS:

tpa & %-component: species 52 → $\left[\frac{6}{6} \right] \div \left[\frac{3}{6} \right] \times \left[\frac{500}{500} \right] = \left[\frac{500}{500} \right]$ (tpa 9) ÷ $\left[\frac{21}{916} \right] \times [100] = \left[\frac{55}{17} \right] \% 17$

tpa & %-component: species _____ → _____ ÷ _____ × _____ = _____ (tpa 9) ÷ _____ × [100] = _____ % 17

tpa & %-component: species _____ → _____ ÷ _____ × _____ = _____ (tpa 9) ÷ _____ × [100] = _____ % 17

tpa & %-component: species _____ → _____ ÷ _____ × _____ = _____ (tpa 9) ÷ _____ × [100] = _____ % 17

artPS trees-per-acre (new net tpa) [sum of artPS tpa values]..... = 500 (tpa 10)

artPS % stocking..... → $\left[\frac{5}{6} \right] \div \left[\frac{6}{6} \right] \times [100] = \left[\frac{83}{100} \right] \% 11$ (skip on diversification / underplantings)

artPS survival..... → $\left[\frac{500}{750} \right] \div \left[\frac{750}{750} \right] \times [100] = \left[\frac{67}{100} \right] \% 13$

Assessment of natPS:

tpa & %-component: species 51 → $\left[\frac{1}{3} \right] \div \left[\frac{6}{6} \right] \times \left[\frac{500}{500} \right] = \left[\frac{83}{250} \right]$ (tpa 9) ÷ $\left[\frac{21}{916} \right] \times [100] = \left[\frac{9}{17} \right] \% 17$

tpa & %-component: species 53 → $\left[\frac{3}{3} \right] \div \left[\frac{6}{6} \right] \times \left[\frac{500}{500} \right] = \left[\frac{250}{916} \right]$ (tpa 9) ÷ $\left[\frac{21}{916} \right] \times [100] = \left[\frac{27}{17} \right] \% 17$

tpa & %-component: species _____ → _____ ÷ _____ × _____ = _____ (tpa 9) ÷ _____ × [100] = _____ % 17

natPS trees-per-acre [sum of natPS tpa values]..... = 333 (tpa 14)

Assessment of allPS:

allPS trees-per-acre..... → $[10 \frac{500}{6}] + [14 \frac{333}{6}] = \left[\frac{833}{100} \right]$ (tpa 15)

allPS % stocking..... → $\left[\frac{6}{6} \right] \div \left[\frac{6}{6} \right] \times [100] = \left[\frac{100}{100} \right] \% 16$ (skip on diversification / underplantings)

Assessment of nonPS:

tpa & %-component: species 12 → $\left[\frac{1}{6} \right] \div \left[\frac{6}{6} \right] \times \left[\frac{500}{500} \right] = \left[\frac{83}{916} \right]$ (tpa 9) ÷ $\left[\frac{21}{916} \right] \times [100] = \left[\frac{9}{17} \right] \% 17$

tpa & %-component: species _____ → _____ ÷ _____ × _____ = _____ (tpa 9) ÷ _____ × [100] = _____ % 17

tpa & %-component: species _____ → _____ ÷ _____ × _____ = _____ (tpa 9) ÷ _____ × [100] = _____ % 17

nonPS trees-per-acre [sum of nonPS tpa values]..... = 83 (tpa 20)

Assessment of allPS+nonPS:

allPS+nonPS trees-per-acre..... → $[15 \frac{833}{6}] + [20 \frac{83}{6}] = \left[\frac{916}{100} \right]$ (tpa 21)

allPS+nonPS % stocking..... → $\left[\frac{6}{6} \right] \div \left[\frac{6}{6} \right] \times [100] = \left[\frac{100}{100} \right] \% 22$ (skip on diversification / underplantings)

% deer chew → $\left[\frac{6}{10} \right] \div \left[\frac{10}{10} \right] \times [100] = \left[\frac{60}{100} \right] \% 18$

% non-deer stress → $\left[\frac{0}{0} \right] \div \left[\frac{0}{0} \right] \times [100] = \left[\frac{0}{100} \right] \% 19$

allPS free-to-grow: yes no
allPS+nonPS free-to-grow: yes no
classify stand as: art nat

Plot Guide

net tpa (from ARSS Map)	type of site	plot radius	plot acres	x-factor	artPS minimum live-count per plot for "stocked"	allPS minimum live-count per plot for "stocked"	allPS+nonPS minimum live-count per plot for "stocked"
<u>750</u>	seeding	4.3'	1/750	750.0	1	1	3
—	plantation	5.3'	1/500	<u>500.0</u>	1	1	4
—	diversification / underplantings ⁷	11.8'	1/100	100.0	n/a	n/a	n/a

Footnotes

- Enter the tree-count for each species at each plot of regen-size trees, live or dead, with dead in parenthesis. Enter "NS" for a non-stockable plot.
- Enter the tree-count from each plot on which evidence of deer browse (for the deer column) or non-deer stress (for that column) is observed on planted / seeded regen (whether regen is dead or alive at time of observation). Enter "0" if no browsing (nor other stress agent) is observed. Enter "NS" if the plot is on a non-stockable location.
- Enter the principal non-deer stress agent, such as: insects, disease, drought, winter kill, rabbits, competition, &etc., or none.
- Competition Type: 0 [none], 1 [herbs], 2 [grass], 3 [woody stems], 4 [mix], NS [non-stockable plot].
- Competition Size: 0 [n/a], 1 [ground cover no shade], 2 [regen height], 3 [overtopping], NS [non-stockable plot].
- Count plots that are stocked. Add up the number of plots which contain the proper minimal number, for your plot size, of desirable live stems present (see Guide).
- Do everything on the ARSS form, except for %-stocking, for diversification / underplantings.
- artPS = artificial plantation stems, natPS = natural plantation stems, allPS = all plantation stems, nonPS = non-plantation stems.

SECTION PLAT SHEET

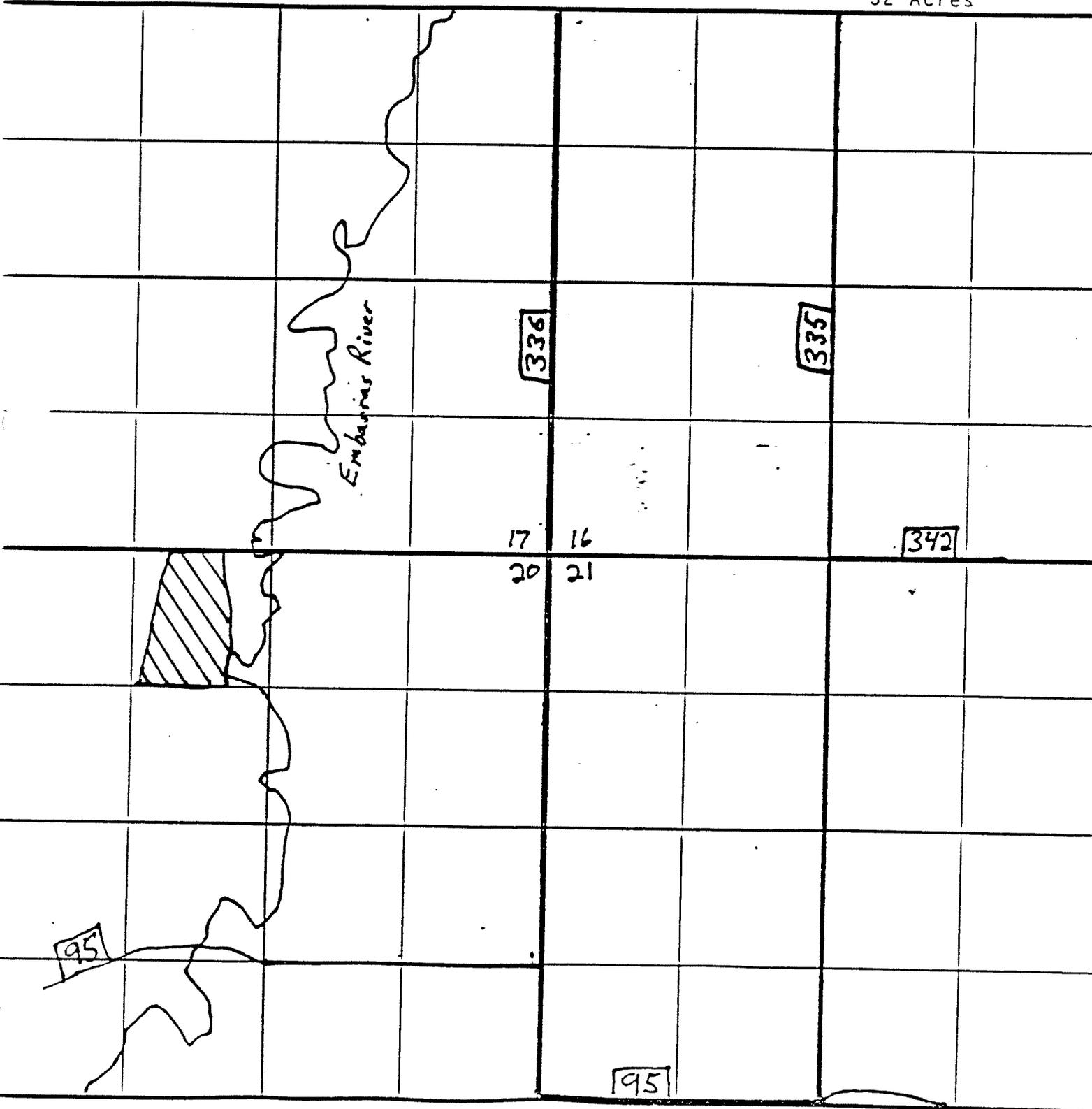
OWNER St. Louis County

DATE 5-10-63

SECTION 17 TOWNSHIP 57N RANGE 16W

COUNTY St. Louis STATE Mn. SCALE 1" = 1/2 mi.

32 Acres



SECTION PLAT SHEET

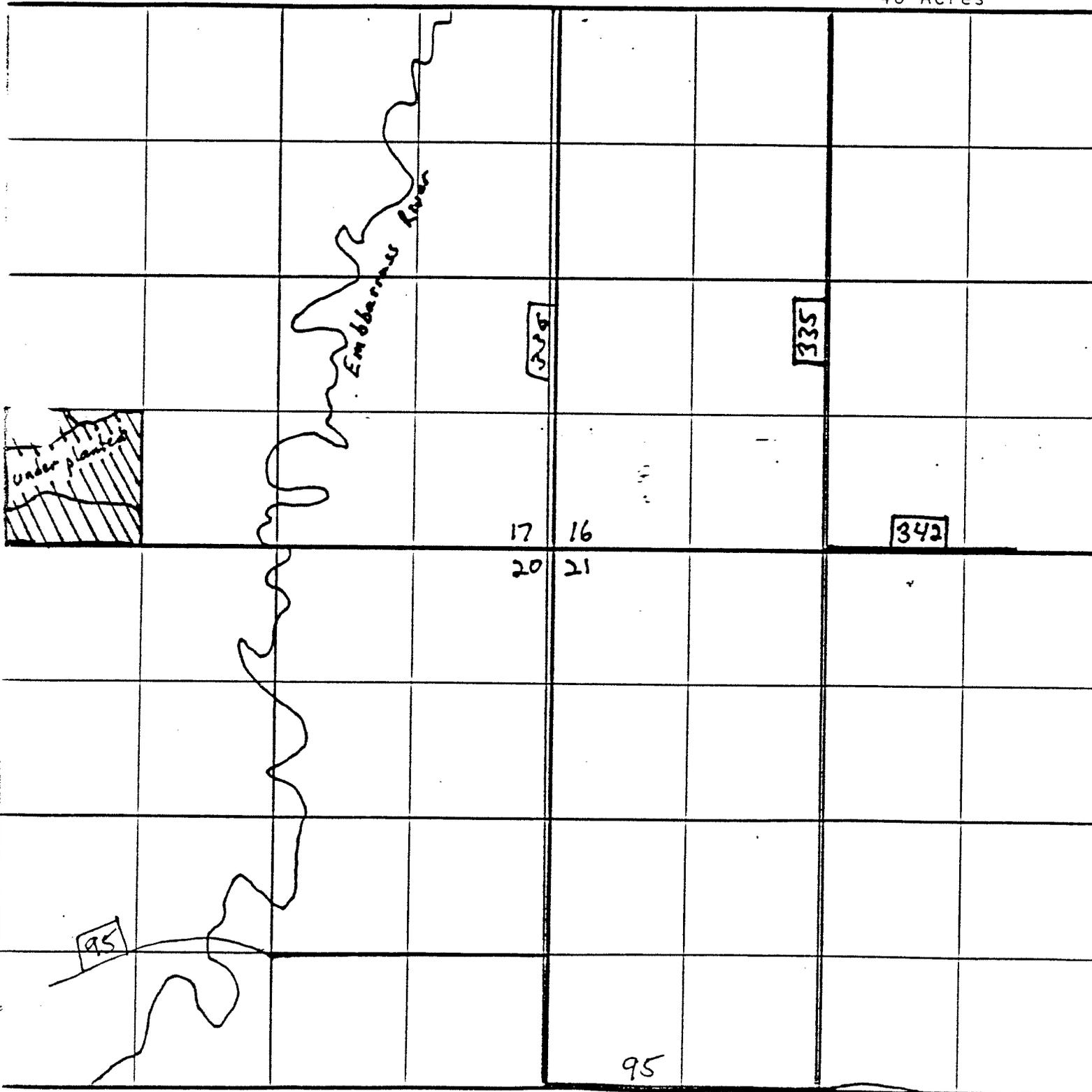
OWNER St. Louis County

DATE 5-12-63

SECTION 17 TOWNSHIP 57N RANGE 16W

COUNTY St. Louis STATE Mn. SCALE 1" = 1/4 mi.

-40 Acres



SECTION PLAT SHEET

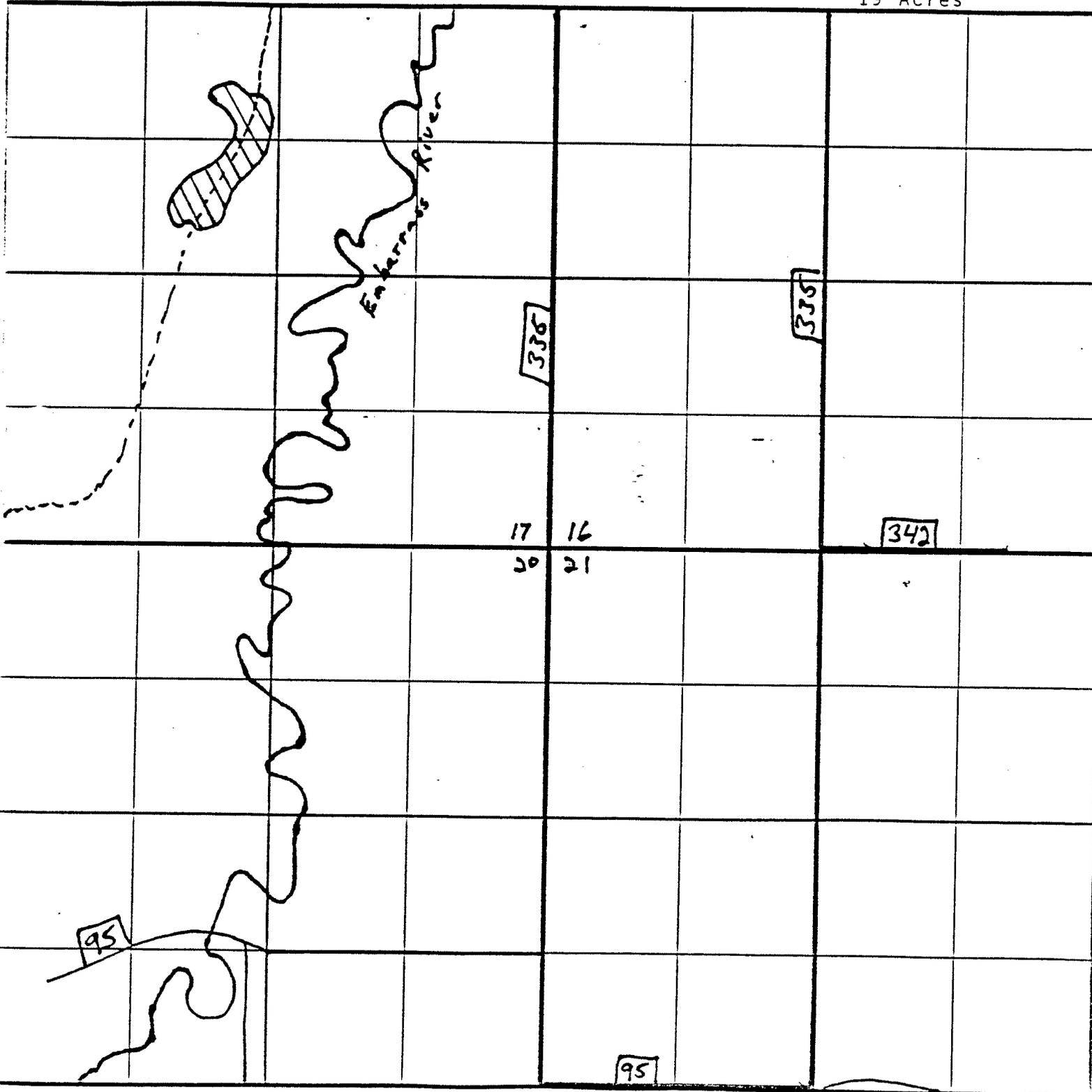
OWNER St. Louis County

DATE 5-25-63

SECTION 17 TOWNSHIP 57N RANGE 16W

COUNTY St. Louis STATE Mn. SCALE 1" = 1/2 mi.

19 Acres



SECTION PLAT SHEET

OWNER St. Louis County

DATE 5-24-63

SECTION 18 TOWNSHIP 57N RANGE 16W

COUNTY St. Louis STATE Mn. SCALE 1" = 1/4 mi.

33 Acres



SECTION PLAT SHEET

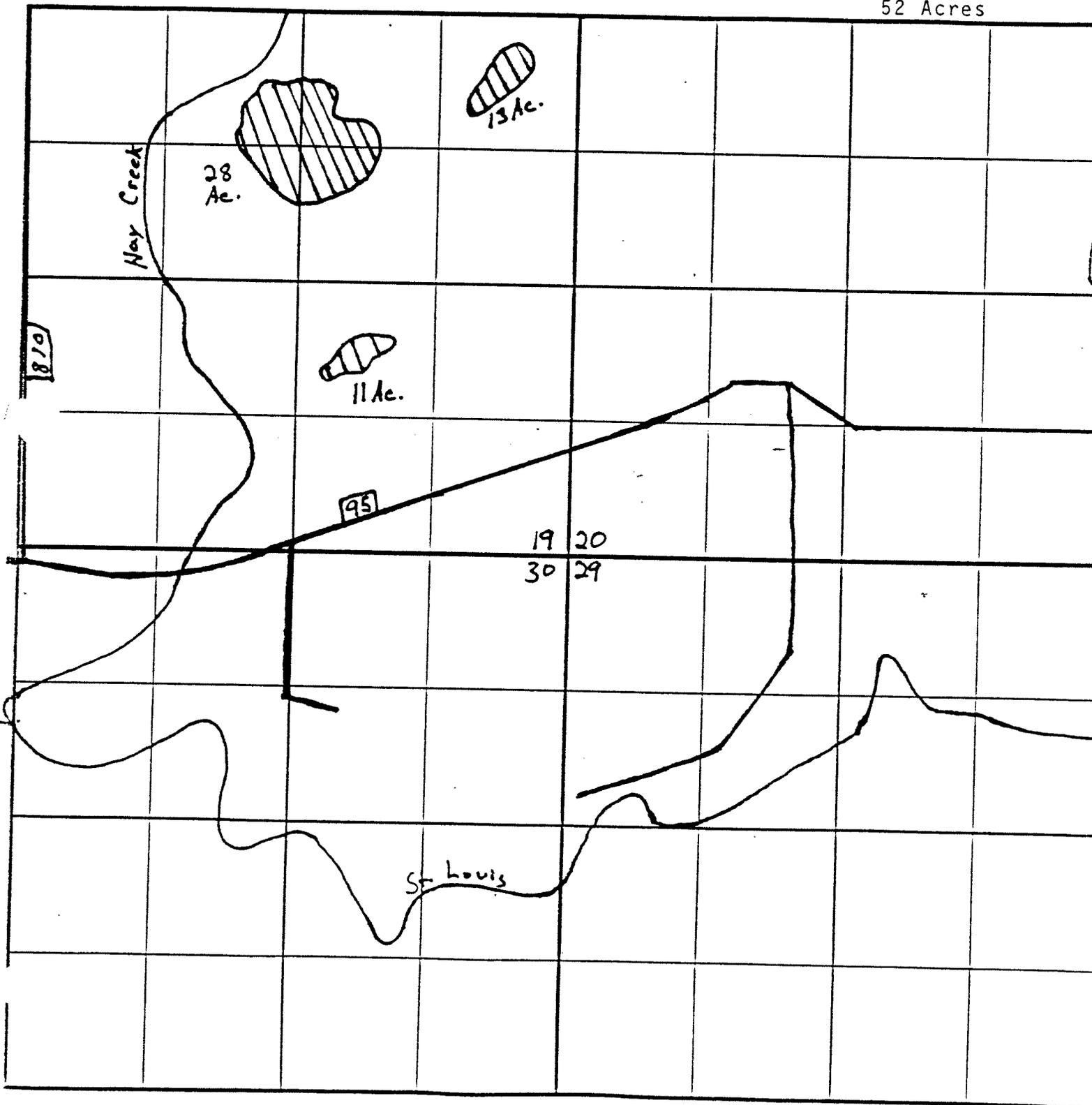
OWNER St. Louis County

DATE 5-1-63

SECTION 19 TOWNSHIP 57N RANGE 16W

COUNTY St. Louis STATE Mn. SCALE 1" = 1/4 mi.

52 Acres



SECTION PLAT SHEET

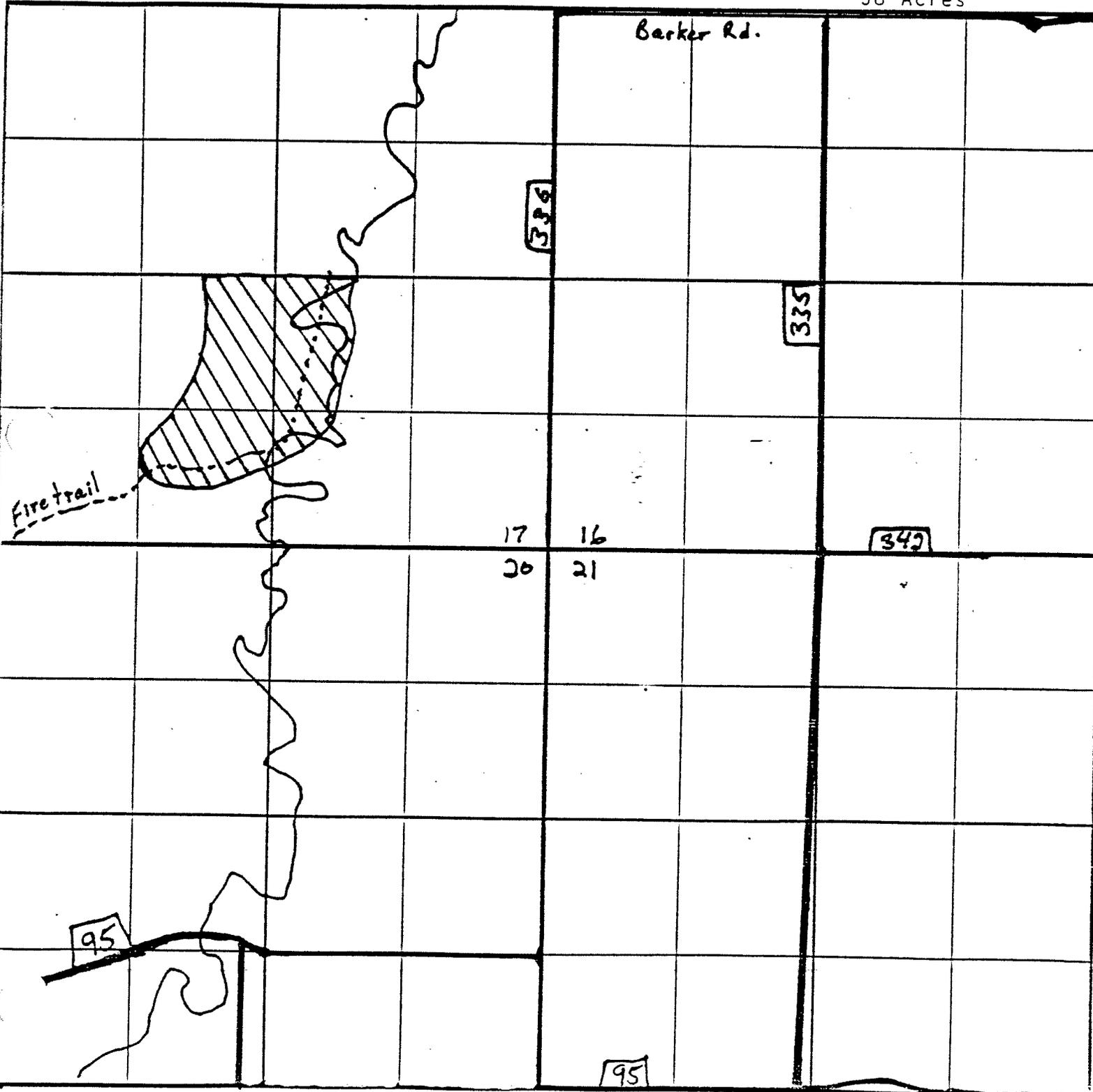
OWNER St. Louis County

DATE 5-6-64

SECTION 17 TOWNSHIP 57N RANGE 16W

COUNTY St. Louis STATE Mn. SCALE 1" = 1/2 mi.

58 Acres



SECTION PLAT SHEET

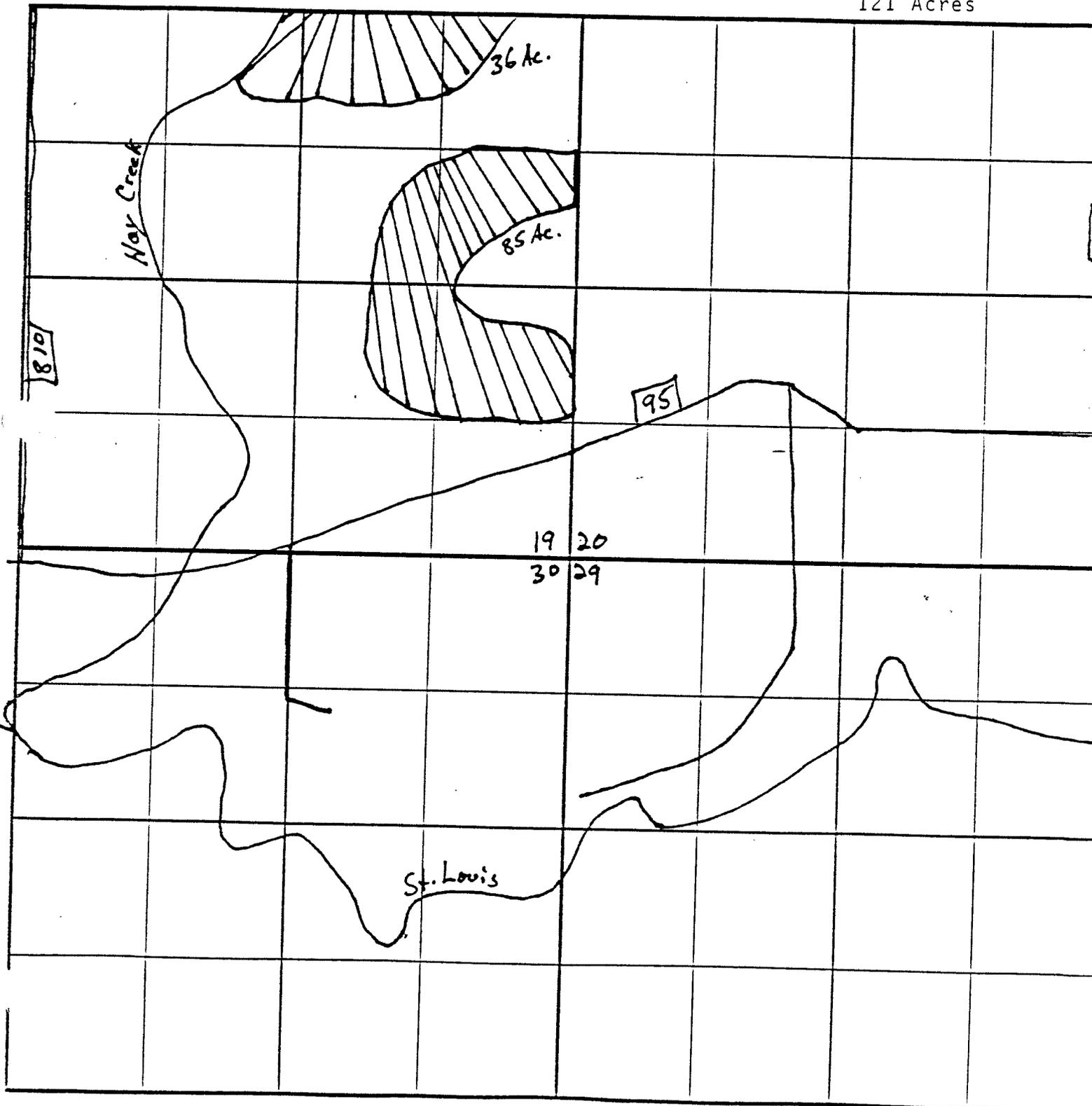
OWNER St. Louis County

DATE 5-6-64

SECTION 19 TOWNSHIP 57N RANGE 16W

COUNTY St. Louis STATE Mn. SCALE 1" = 1/4 mi.

121 Acres



SECTION PLAT SHEET

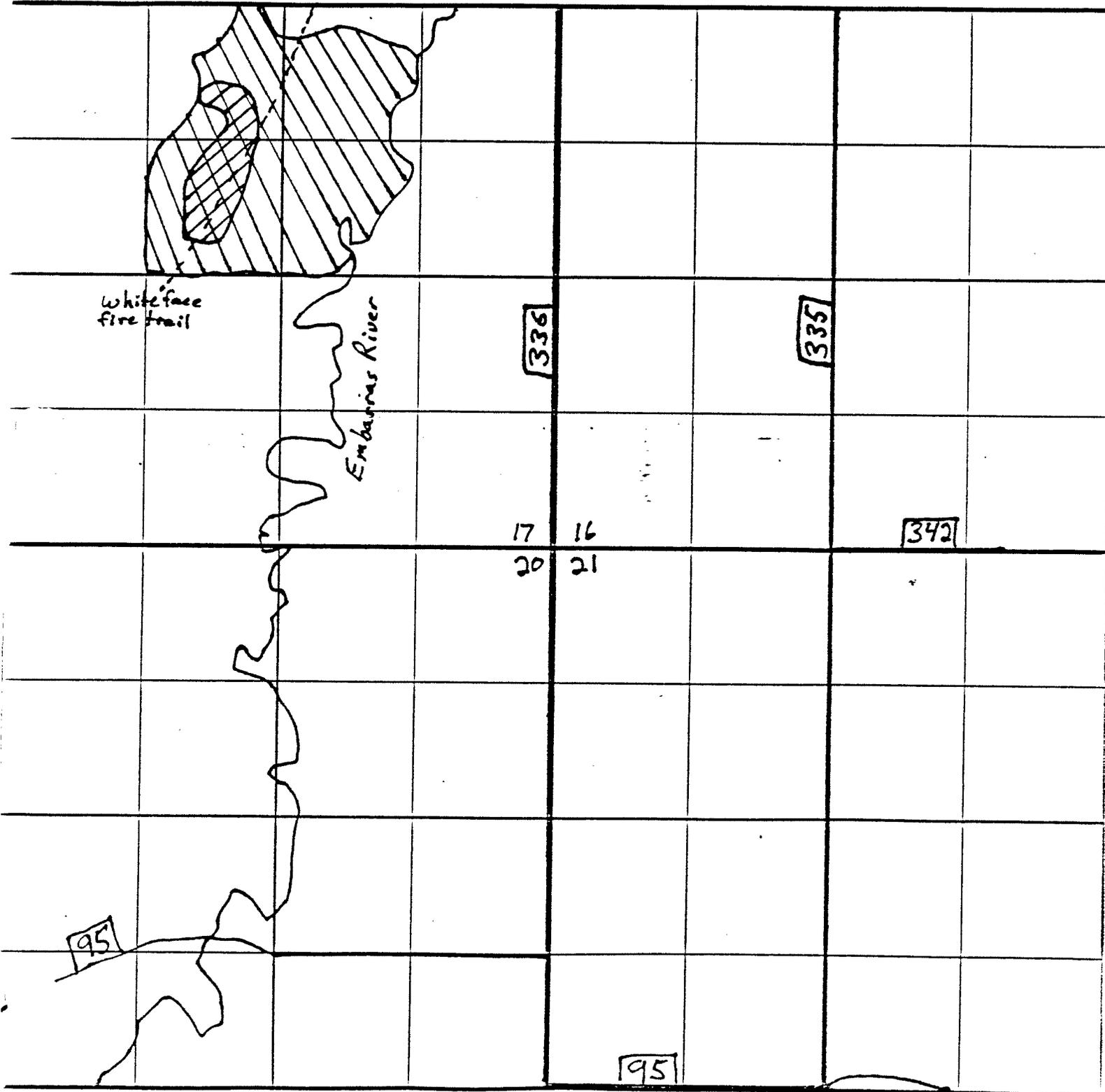
OWNER St. Louis County

DATE 5-3-65

SECTION 17 TOWNSHIP 57N RANGE 16W

COUNTY St. Louis STATE Mn. SCALE 1" = 1/2 mi.

88 Acres



SECTION PLAT SHEET

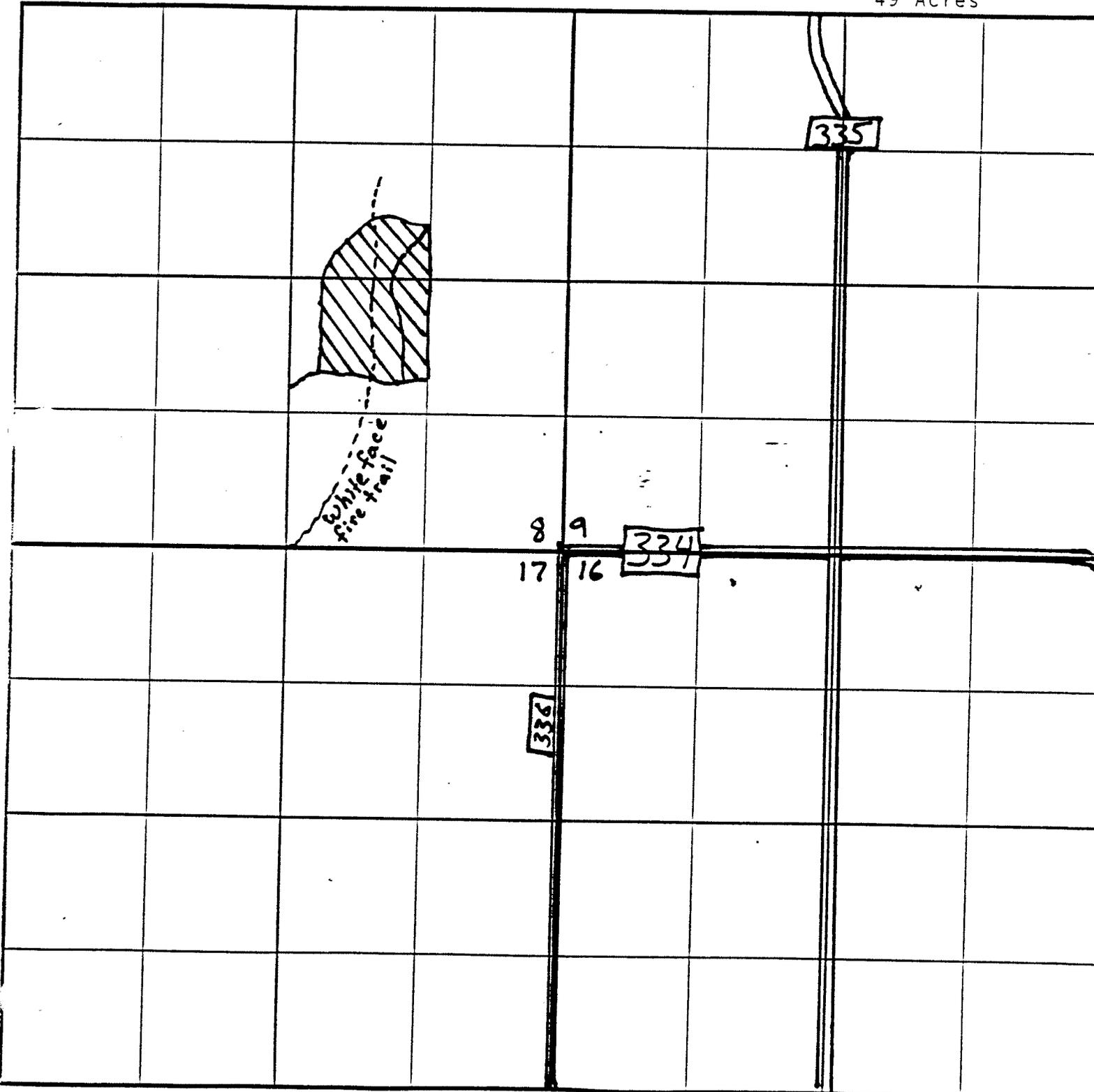
OWNER St. Louis County

DATE 5-6-68

SECTION 8 TOWNSHIP 57N RANGE 16W

COUNTY St. Louis STATE Minnesota SCALE 1" = 1/4 mi.

49 Acres



SECTION PLAT SHEET

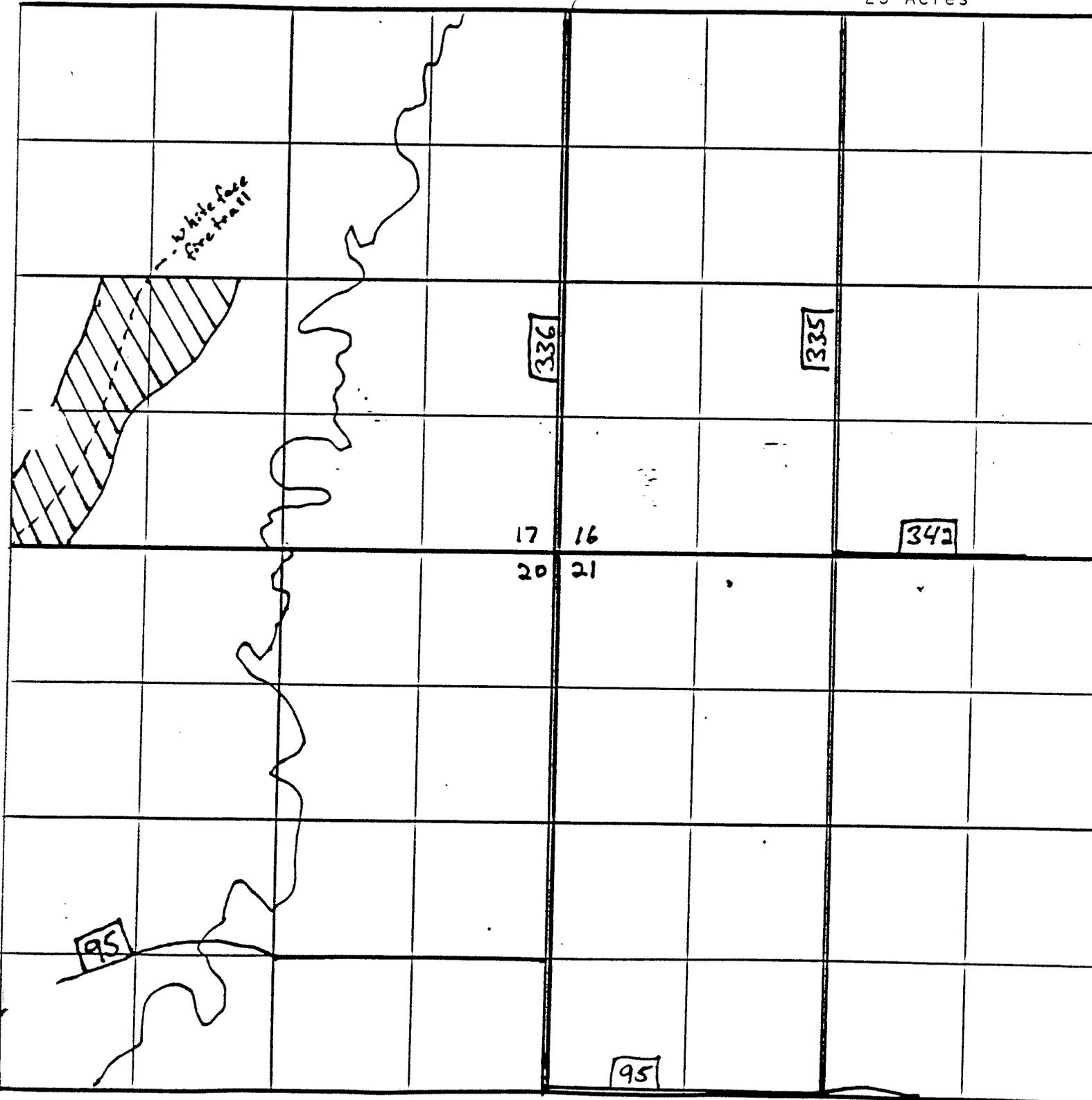
OWNER St. Louis County

DATE 5-24-68

SECTION 17 TOWNSHIP 57N RANGE 16W

COUNTY St. Louis STATE Mn. SCALE 1" = 1/4 mi.

23 Acres



SECTION PLAT SHEET

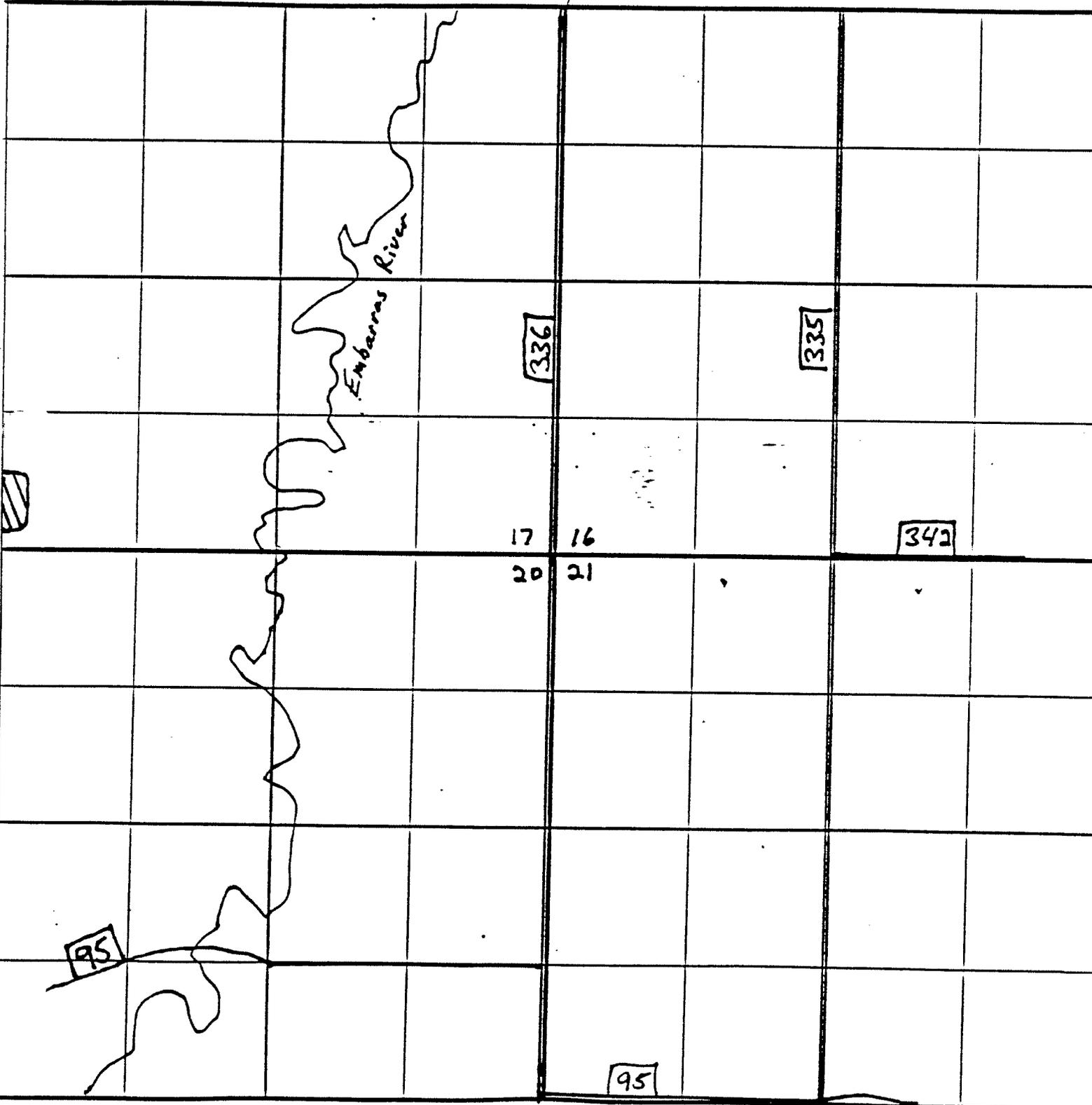
OWNER St. Louis County

DATE 5-16-73

SECTION 17 TOWNSHIP 57N RANGE 16W

COUNTY St. Louis STATE Mn. SCALE 1" = 1/2 mi.

5 Acres



SECTION PLAT SHEET

OWNER Clyde Rd. Plantation

DATE 11/20/85

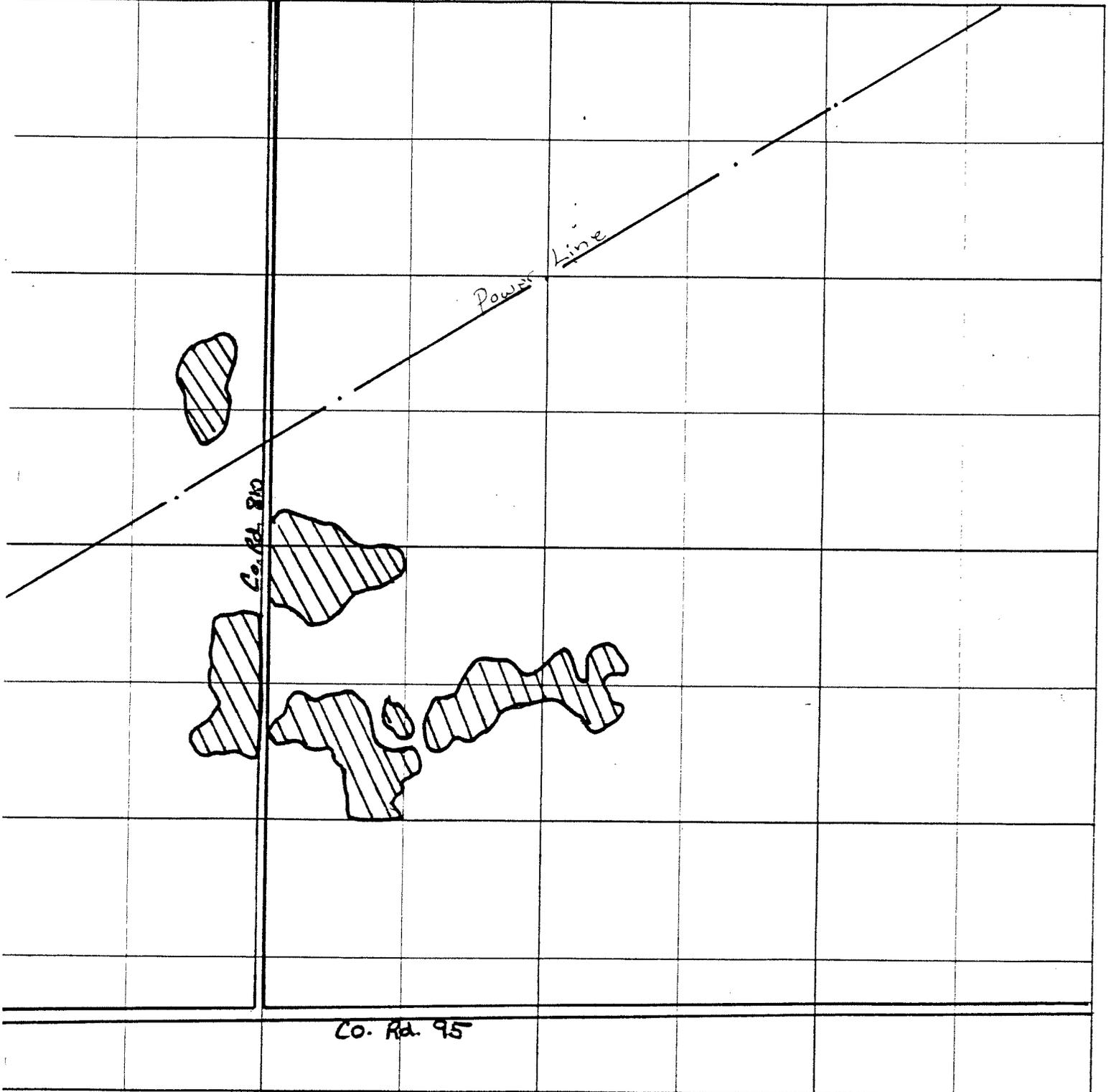
SECTION 12, 13 - 18, 19 TOWNSHIP 57 N

RANGE 17 - 16 W

COUNTY St. Louis County STATE Minnesota

SCALE _____

48 Acres



SECTION PLAT SHEET

OWNER Fire Trail B

DATE 1981, 1983

SECTION 17

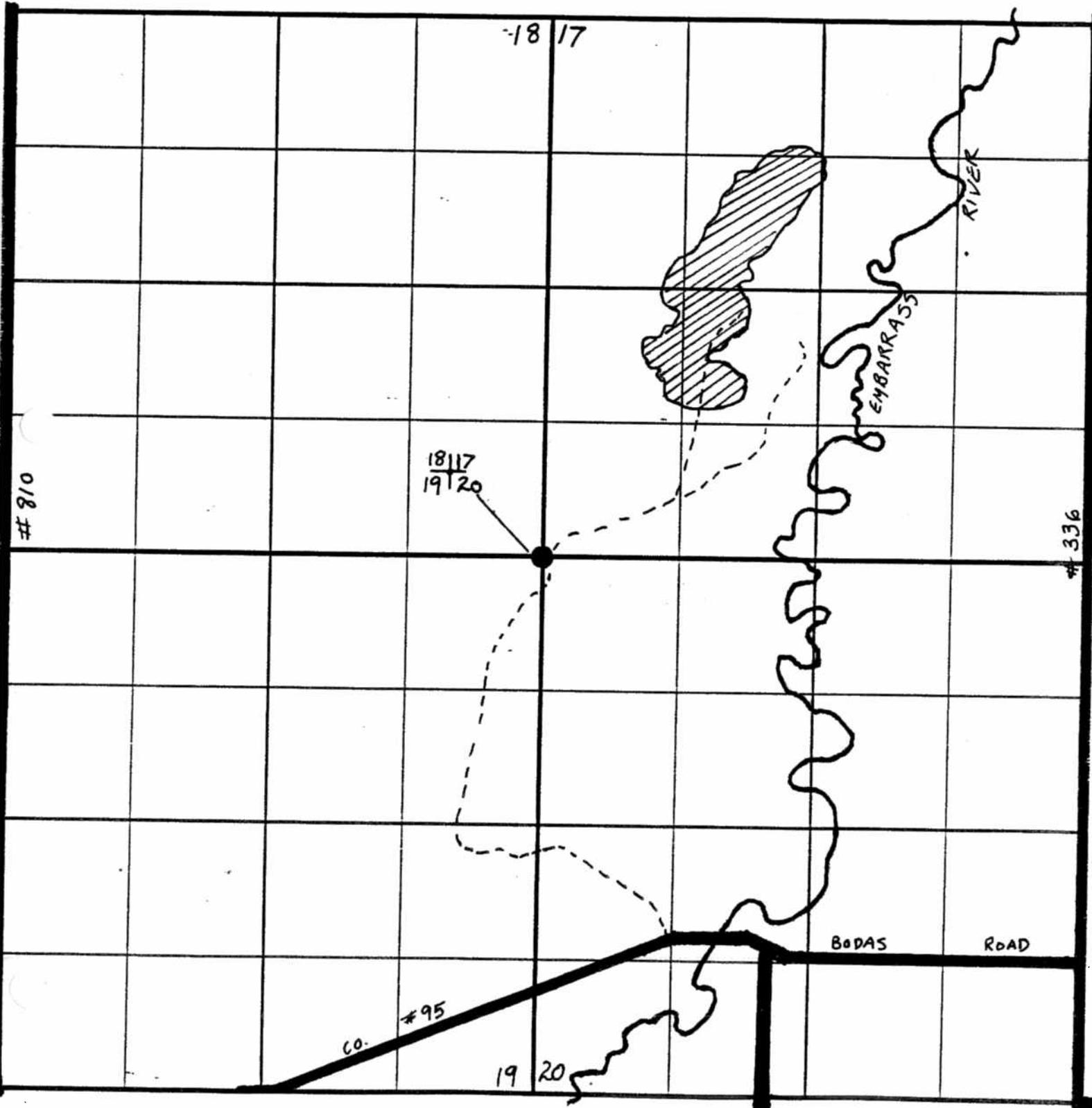
TOWNSHIP 57N

RANGE 16W

COUNTY St. Louis

STATE Minnesota

SCALE 4" = 1 Mile



DAILY HERBICIDE APPLICATION RECORD

ST. LOUIS COUNTY LAND DEPARTMENT

5713 Old Miller Trunk Highway Duluth MN 55811 (Pike Area Office)

or

7820 Highway #135 Virginia, Mn. 55792 (Virginia Area Office)

Date: 8-3-05 Area Virginia

Time of Completion of Herbicide Treatment Started @ 10:00 AM / Finished @ 11:30

Licensed Applicator(s) Name and Address:

Robert Hedburg 20020191 - 5713 Old Miller Trunk Hwy Duluth MN 55811

Mark Pannkuk 20017782 - 5713 Old Miller Trunk Hwy Duluth MN 55811

Mark Kailanen 20017938 - 7820 Highway #135 Virginia Mn. 55792

Dave Skurk #20084845-7820 Hwy #135; Virginia, MN 55792

Weather Conditions: Sunshine Cloudy Partly Cloudy

Precip Wind Speed 3 mph Wind Direction: N NE NW E S SE SW W

Temperature: 78° Humidity 75%

Location: Land Department Road # 1610 Legal S/ 20 T/ 57 R/ 16 Acres: 7.4 acs

Road name Fire Trail

Segment:

From: Bodas Road north to private property Two separate sections.
To: Private property to Pottlatch Corp. land

Side of Roadway: Both Sides Width 20' Length 3.0 miles

Methods: Foliage Sprayed Basal Sprayed Cut-Stump Treatment

Other (specify): _____

Chemicals Used and Application Rate (list product, additives)

EPA Registration Number % of solution or rate per acre
 Garlon 3A #62719-37 2% 4 gals 2.1 lbs/ac

Garlon 4 #62719-40 _____ _____

Accord #524-326 _____ _____

Escort #352-439 _____ _____

Accord Conc. # 62719-324 _____ _____

Platoon # 228-145 2% 4 gals 2.1 lbs/ac

Surfactant/100 Gal. X-7 1 Pint/100 gal Silkin EntryII

Total Gallons of Mixture Used: 200 Acres Treated: 7.4 ac.

Comments and Remarks: * Small shower in the AM which ended at 8:30 AM
Vegetation almost completely dry by 10:00 AM. Finished spraying @
11:30 AM. Started raining @ approx. 1:30pm very heavy. ±.5 rain
in one half hour
Site posted!! Re-entry 8-5-05

I hereby certify that all empty herbicide containers used at these locations on this date have been triple rinsed and properly disposed of in accordance with the provisions of the 1987 Minnesota Pesticide Law.

Signed: Dave Skurk
(Foreman or Sprayer Operator)

Herbicide Application Inspection List

Site ID: Fire Trail Mgt. Road Road Contract Nbr: 1610
Inspector: Skurka Date: 7-29-05
Operator: Skurka/Hoff
Inspection type: Interim Final Audit Other

General

Petroleum products

2 3 4 5 6 Fueling and fuel storage outside of RMZ's, filter strips and wetlands.

Emergency response

2 3 4 5 6 Appropriate communications equipment

2 3 4 5 6 Spill kits on site

1 2 3 5 6 Spills handled according to procedure

Misc

2 3 4 5 6 No garbage or waste left from operations

2 3 4 5 6 Appropriate signs in place and visible

Fire prevention

2 3 4 5 6 Fire equipment on site and employees aware of location and proper use

Riparian zones and other sensitive areas

2 3 4 5 6 Filter strips in place according to site project plan

Herbicide Application

2 3 4 5 6 Treatment in accord with site project plan.

2 3 4 5 6 Application within approved boundary

2 3 4 5 6 All previous water diversion and filter strips left intact.

2 3 4 5 6 Work conducted within contract period

1 2 3 4 5 6 Posting removed after re-entry period.

Comments:

Some precipitation earlier in morning. Light rain quit at 8:30 AM. By 10:00 AM foliage dry.

Started spraying at 10:00 AM / Finished at 11:30 AM.

Temp. 78, Wind speed 3 mph, Direction SE,

Humidity 75%. Sprayed both sides of road with Garlon 3A (2.1 gts/ac.) + Platoon (2.1 gts/ac.).

Used 4 gal. Garlon 3A + 4 gal. Platoon + 2 pints X-77 surfactant in 200 gallons of water. Spraying went well. It started to rain at 1:30 pm after spraying. Herbicide was very dry on foliage by that time. This was the 1st spraying of this road.
Signs posted

Inspection codes: 1 = Satisfactory, 2 = Needs Improvement, 3 = Unacceptable, 4 = Not Applicable, 5 = Not Inspected, 6 = To be completed

Herbicide Application Inspection List

Site ID: Fire Trail Mt Road

Contract Nbr: 1610

Inspector: SKURLA

Date: 8-8-05

Operator: SKURLA

Inspection type: Interim Final Audit Other

General

Petroleum products

1 2 3 4 5 6 Fueling and fuel storage outside of RMZ's, filter strips and wetlands.

Emergency response

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Herbicide Application

1 2 3 4 5 6 Treatment in accord with site project plan.

1 2 3 4 5 6 Application within approved boundary

1 2 3 4 5 6 All previous water diversion and filter strips left intact.

1 2 3 4 5 6 Work conducted within contract period

0 2 3 4 5 6 Posting removed after re-entry period.

Comments:

Signs removed from site! Everything looks good.

ST. LOUIS COUNTY LAND DEPARTMENT
PROJECT OR TASK REQUEST FORM
Submit to Area Land Manager or Resource Management Supervisor

(Check one or more) _____ MCC Crew
 X Resource Development Group
 _____ Both
 _____ Contract

Date: April 28, 2008

Project Name: Firetrail Management Road

Project Description: Spot graveling on the Fire Trail with pit run. There are many soft spots on this road that need a lift to allow road to be passable. The location of these spots would need to be inspected and an estimate of cubic yardage would also need to be determined. The location of gravel source would also be needed to be located. The Public Works Dept. acquires their maintenance gravel from the South Whiteface Pit. There may be some possibility of gravel on State of Minnesota Land. It all depends on how much gravel we need. This project will be accomplished by the road crew.

Proposed By: Dave Skurla

Project Location: Sections 8,17,18,19, & 20 Township 57 Range 16
(Attach maps if needed)

Known Access Routes: (provide copy of photo) _____
Other Pertinent Information: The Fire Trail area consists of a large amount of artificially planted Norway Pine. Access to this area is very important for the frequent cultural activities that occur in this high value timber.

_____ % completed Date: _____ / _____ / _____

Response Development Technician or MCC Crew Leader: _____
(Must return this form to Area Office when project completed)

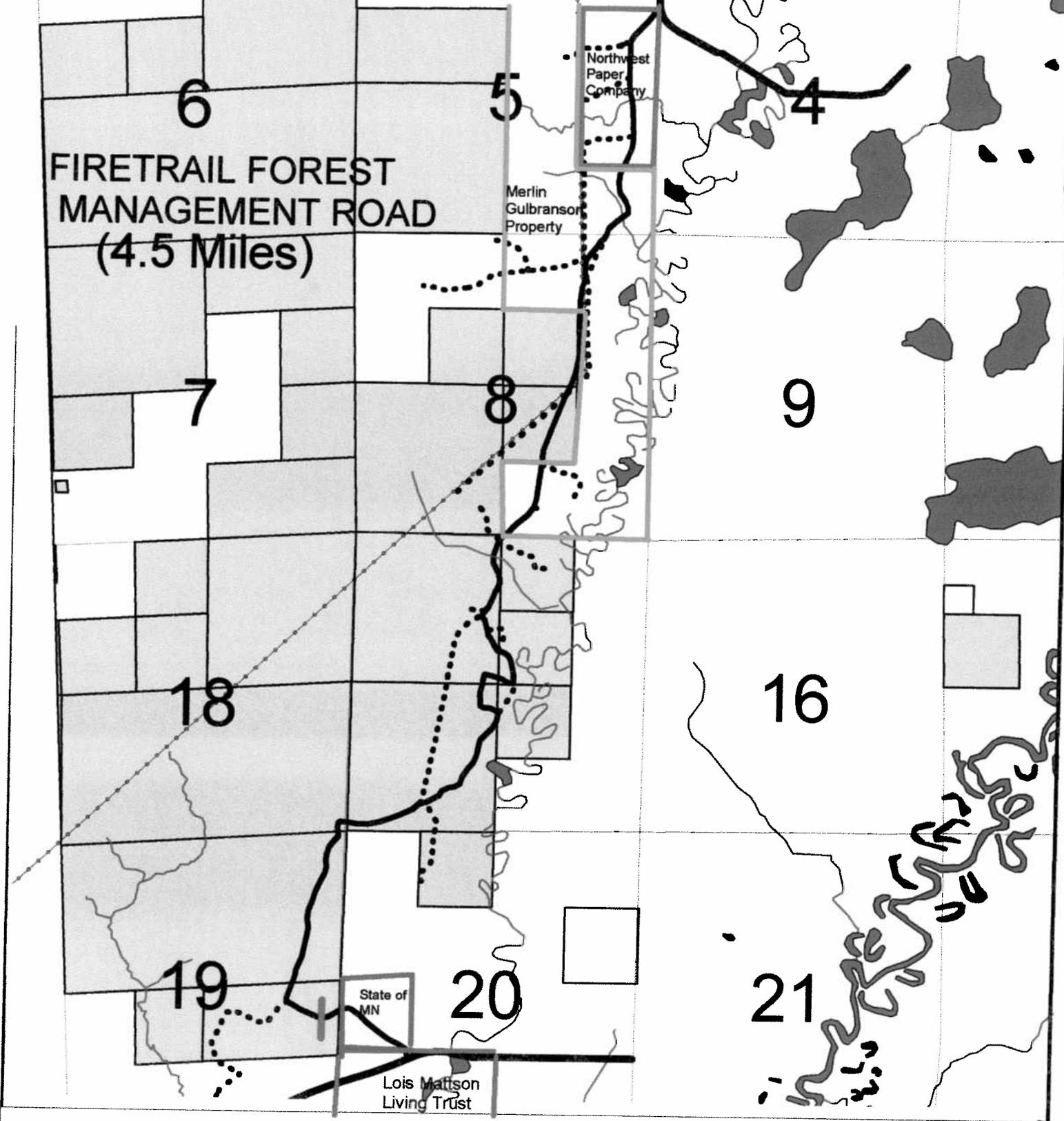
Remarks: _____

Approval
Area Land Manager: _____ Date ____ / ____ / ____ Resource

Management Supervisor _____ Date ____ / ____ / ____ Original: Area Land
Manager

Copy: ~~Zone Office~~

SAINT LOUIS COUNTY LAND DEPARTMENT



Date: January 7, 2005
 Prepared By: Dave Skurla

Scale: 1:28000



-  Main Route of Fire Trail Management Road Proposed Upgrade (4.5 miles)
-  Woods Roads
-  Powerline
-  St. Louis County Tax Forfeit Ownership
-  Gate

This drawing is neither a legally recorded map nor a survey and is not intended to be used as such. This drawing is a compilation of recorded information and data located in various city, county, state, federal offices, and other sources affecting the area and is to be used for the intended purpose only. St. Louis County is not responsible for any incorrectness herein. If inconsistencies are found, please contact this office.



SPECIAL PRODUCT OR FUELWOOD PERMIT

County ST. LOUIS	Permit Number 234-66-09
RAN 234	Date Permit Issued 10/21/08
Land Status School	Date Permit Expires 3/31/09

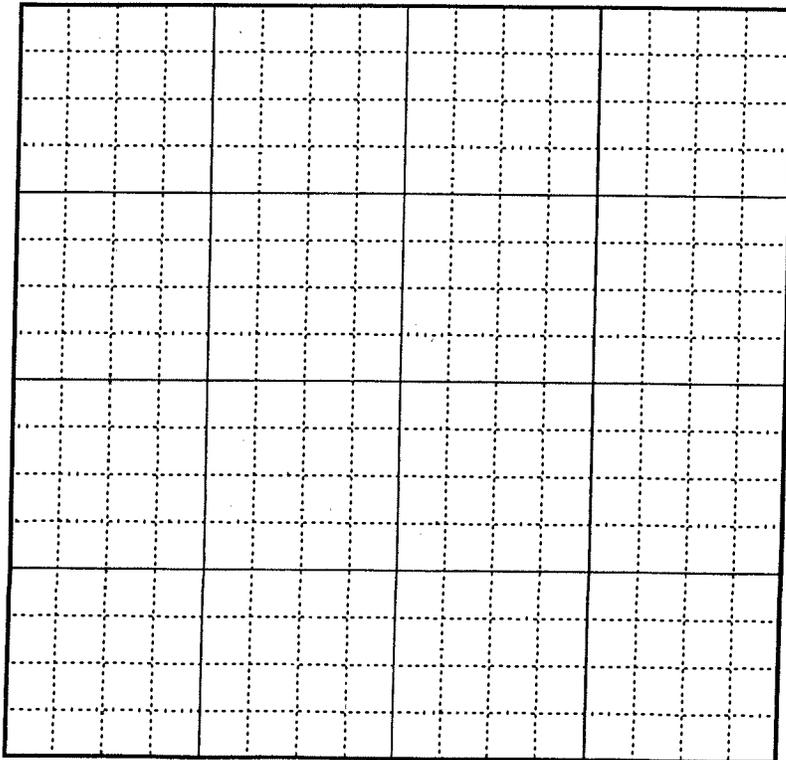
Name of Permittee ST. LOUIS County Land Dept.		Phone Number (include Area Code) 218-742-9898	
Address of Permittee (No. & Street, RFD, Box No., City, State, Zip Code) 7820 Hwy. #135 Virginia mn 55792			
Legal Description	Section 36	Township 57	Range 16

In consideration of the sum of \$ 187.50 and sales tax of \$ _____ [718] (if applicable), payment of which is hereby acknowledged, the above named permittee is authorized under the provisions of Minnesota Statute 88.01, 89.001, 89.17, 90.195, 92.50 and other applicable law to enter upon the state land described above to (check and complete only one line, below) :

- 750** Cut and remove not more than _____ cords of Fuelwood for personal use, or
- 760** Excavate and remove not more than 150 cubic yards of Gravel or other Earth Materials, or
- 760** Cut and remove not more than _____ tons of _____ (check only one box) Boughs Hay, or
- 760** Harvest and remove not more than _____ of _____

as shown on the map and provided in the following specifications:

Scale: _____ Inches = 1 Mile



* Remove Pit run gravel from Coe Lake Pit.

* Be safe

* Key required to gain access thru gate.

* Slope and reshape Pit Bank after gravel hauling is complete

* Send check to Eveleth DNR
7979 Hwy #37
Eveleth, mn 55734

* Town of white 638-2100 (Greg)

Additional Permit Conditions are listed on Reverse Side

COPY ROUTING: Permittee St Paul Area Office Field Station Other Administrative Unit

I have read, understand and agree to comply with all the conditions, terms and specifications of this permit. I presently have no other valid State of Minnesota Special Product or Fuelwood Permit for the product listed on this Permit.

This Permit must be in possession when cutting, harvesting, excavating, or removing products.	Permittee Signature <i>Dan Shunk</i>	Date 10/21/08
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This permit is issued and accepted upon the conditions and subject to all the terms and limitations contained in the Statutes of the State of Minnesota and all specifications and conditions herein stated, to all of which the State and the Permittee severally agree.

FOR THE COMMISSIONER, MINNESOTA DEPARTMENT OF NATURAL RESOURCES	Authorized Forest Officer Signature <i>Tom Wolanski</i>	Date 10/21/08
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