



To: \_\_\_\_\_  
 DWIGHT CLARK - LOGGING  
 5531 W COUNTY RD 20  
 LOVELAND CO 80537

Invoice No. 49655



Date: MAY 11, 1999

Item	Unit Cost	Total
FCSL 97-1 SEC 36, 512N, R72W, LARIMER COUNTY, CO		
1 STUMPAGE PAYMENT (MOEN SECTION/GEORGES GULCH)		3400.00
2		
3 DIRECT COSTS 32 HOURS @ \$26/HR 832.00		
4 PO 524598 GHERARDI INVOICE 4/15/99 850.00		
5	1682.00	
6 NET TO SLB 1718.00		
7	3400.00	
8		
9		
Tax Exempt No. _____	Sales Tax	

Total	3400.00
CK-CA-MO Amount Paid:	3400.00
Amount Due	0

*[Signature]*  
 CSFS Originator  
 Payment Due By THANK YOU

Ck# 6749 Dated 4/15/99  
 Rcv'd By MH F.Y. 98/99 99

Remit to:

Funding	Amount
1-93450	4550 850.00
1-93210	0641 832.00
1-93210	0645 1718.00

Deposit No. \_\_\_\_\_ Date \_\_\_\_\_

47607

To: DWIGHT CLARK - LOGGING  
5531 W COUNTY RD 20  
LOVELAND CO 80537

Invoice No. \_\_\_\_\_



Date: JULY 16, 1998

Item	Unit Cost	Total
1 FCSL 97-1 SE 36, T12N, R72W, LARIMER COUNTY, CO		
1 STUMPAGE PAYMENT (MOEN SECTION/GEORGES GULCH)		2100.00
2		
3		
4 DIRECT COSTS 8 HOURS @ \$26/HR	208.00	
5 GHERARDI INVOICE 7/2/98	525.00	<i>P.O. Reference</i>
6	733.00	
7 NET TO SLB	1367.00	
8		
9		

Tax Exempt No. \_\_\_\_\_ Sales Tax \_\_\_\_\_

*[Signature]*  
 CSFS Originator

Payment Due By THANK YOU

Remit to:

Total	2100.00
CK-CA-MO Amount Paid:	2100.00
Amount Due	0
Ck# <u>6464</u>	Dated <u>6/30/98</u>
Rcv'd By <u>MH</u>	F.Y. <u>98/99</u>
Funding	Amount
1-93210 <u>93450</u>	4550 525.00
1-93210	0641 208.00
1-93210	0645 1367.00

Deposit No. \_\_\_\_\_ Date \_\_\_\_\_

INSTRUCTIONS: Make all purchases in the name of the COLORADO STATE FOREST SERVICE. Attach this completed form to each invoice or document that results in a cost to CSFS and forward to the State Office for processing. Complete vendor address is necessary to process payment. Include Social Security number if requesting payment to an individual. Both signatures at bottom of this form must be completed before processing.

Make payment to: Woodland Mgt Consultants  
 Date Prepared: 7-16-98  
 Prepared by: Kathy Fortin  
 Assigned PO/DPO Number: PO# 518400

Comments or Special Instructions:  
 \_\_\_\_\_  
 \_\_\_\_\_  
 GSA Julian Date: \_\_\_\_\_ GSA S/N: \_\_\_\_\_  
 Invoice #: \_\_\_\_\_ Bill To: \_\_\_\_\_

Item #	Account	Subcode	Invoice #	Invoice Date	Description of Supplies or Services	Amount
1	193210	4550		070298	25% of \$2100.00 Stumpage	525.00
2					Payment on CSFS Inv # 47607	
3						
4						
5						
6						
7						
8						

Receipt Certification:  
 Date: 7-16-98  
Kathy Fortin  
 Signature

Expenditure Approval:  
 Date: 7-16-98  
 \_\_\_\_\_  
 Authorized Signature

*RJ Sign*  
 ↙

TOTAL \$ 525.00

CSFS ACCOUNTING REQUEST

CSFS #313  
Revised 7/92

DATE: 4-14-98

TO: State Office Accounting

FROM: Kathy Porter  
(signature of CSFS employee initiating request)

Please initiate the following transaction. Copies of all appropriate supporting documents are attached.

THIS IS A REQUEST FOR (CHECK ONE):

JOURNAL ENTRY/ACCOUNT TRANSFER:

Transfer \$ 500.00

Reason for transfer: Forgot to put \$500 of Deposit as reduction of expense to cover P.O. to Woodland Mgt to cover administrative fee.

Document type/#: P.O. # 518400 INV # 47388 FY 97-98

Vendor/employee name: Gherardi - Woodland Mgt / Dwight Clark logging

Debit funding 1-93210-0641 Credit funding (1-93210-4556)  
(Account-Subcode) (Account-Subcode)

Signature [Signature] Signature [Signature]  
(Account Manager) (Account Manager)

CUSTOMER PAYMENT REFUND:

Send refund in amount of \$ \_\_\_\_\_ to customer listed below.

Received on CSFS Invoice # \_\_\_\_\_ FY \_\_\_\_\_

Name: \_\_\_\_\_

Address: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Reason for refund: \_\_\_\_\_  
\_\_\_\_\_

INSTRUCTIONS: Make all purchases in the name of the COLORADO STATE FOREST SERVICE. Attach this completed form to each invoice or document that results in a cost to CSFS and forward to the State Office for processing. Complete vendor address is necessary to process payment. Include Social Security number if requesting payment to an individual. Both signatures at bottom of this form must be completed before processing.

Make payment to: Woodland Mat Consultants

Date Prepared: 4-7-98

Prepared by: Kathy R Foster

Assigned PO/DPO Number: Ref P.O.# 518400

Comments or Special Instructions:

GSA Julian Date: \_\_\_\_\_ GSA S/N: \_\_\_\_\_

Invoice #: \_\_\_\_\_ Bill To: \_\_\_\_\_

Item #	Account	Subcode	Invoice #	Invoice Date	Description of Supplies or Services	Amount
1	1-93210	4550		3-10-98	25% of \$2000.00 Stumpage	500.00
2					Payment on CSFS Inv #	
3					47388	
4						
5						
6						
7						
8						

Receipt Certification:  
 Date: 4-1-98  
Kathy R Foster  
 Signature

Expenditure Approval:  
 Date: 4-2-98  
[Signature]  
 Authorized Signature

TOTAL \$ 500.00



47388

To:

Invoice No.

DWIGHT CLARK LOGGING

5531 W CTY RD 20

LOVEAAND CO 80537



Date: 4/1/98

Item		Unit Cost	Total
1	FCSI 97-1 SEC 36, T12N, R72W, LARIMER COUNTY DO STUMPAGE PAYMENT (MOEN SECTION/GEORGES GULCH)		2000.00
2			
3			
4	DIRECT COSTS: 16 HOURS @ \$26/HR	416.00	
5	75 MILES @ .158¢/MI	11.85	
6	GHERARDI INVOICE OF 3/10/98	500.00	
7		927.85	
8	NET TO SLB	1072.15	
9			
Tax Exempt No. _____		Sales Tax	

  
 CSFS Originator  
 Payment Due By THANK YOU

Total		20000000
CK-CA-MO Amount Paid:		2000.00
Amount Due		0
Ck# 3/8/98 -----	Dated	6337
Rcv'd By MH	F.Y.	97/98
Funding	Amount	
1-93210	0641	927.85
1-93210	0645	1072.15

Remit to:

Deposit No.

Date

FOR INFORMATION CONTACT  
**Valerie Heady/Porter(Fort Collins)**

ORDERING DEPARTMENT  
**CSFS 5060**

INDIVIDUAL NAME COMPLETE PHONE NUMBER  
**Valerie Heady (970) 491-6303**

DATE OF ORDER DELIVERY REQUIRED BY  
**6/5/97**

CENTRAL RECEIVING DELIVER TO:  
 BLDG: ROOM:



**Colorado State University**

**DEPARTMENTAL PURCHASE ORDER**

INVOICE TO:  
 COLORADO STATE UNIVERSITY  
 ACCOUNTS PAYABLE  
 FORT COLLINS, CO 80523-6003

DPO NUMBER MUST BE SHOWN  
 ON ALL INVOICES.

**DPO 390503**

SHOW THIS NUMBER ON ALL PACKAGES, CASES, INVOICES, DELIVERY SLIPS, PACKING SLIPS, ETC.

COLORADO STATE UNIVERSITY  
 TAX EXEMPT NUMBER IS  
 98-02381

**NOT VALID FOR MATERIAL PURCHASES OVER \$350.00  
 OR SERVICE PURCHASES OVER \$1,000.00  
 SEE REVERSE SIDE OF THIS FORM FOR TERMS AND CONDITIONS**

**V  
E  
N  
D  
O  
R**  
**Crabtree, Richard**  
**PO Box 252**  
**Bellvue CO 80512**

**S  
H  
I  
P**  
**COLORADO STATE UNIVERSITY**  
**REFERENCE DPO 390503**  
**CENTRAL RECEIVING**  
**TO FORT COLLINS, CO. 80523-6011**

OR

DISTRIBUTION ACCOUNT	SUBCODE	INVOICE NUMBER	INVOICE DATE	QTY	UNIT	DESCRIPTION	UNIT PRICE	EXTENSION	IRS	FOR ACCOUNTS PAYABLE USE ONLY
019606	2060					Refund of Performance bond paid on CSFS Invoice #36733. Deposit #16062, of 5/25/95. Detail in CSFS State Office, 203 Forestry.		150.00		
							<b>TOTAL</b>	<b>150.00</b>		

INTERNAL SIGNATURES

DATE

*Valerie A. Heady 6-5-97 6303*

EXPENDITURE AND PURCHASE APPROVED BY

DATE **5 Jun 97**

*Valerie A. Heady*  
 AUTHORIZED SIGNATURE



380203

380203

CSFS ACCOUNTING REQUEST

CSFS #813  
Revised 7/92

DATE: 6-4-97

TO: State Office Accounting

FROM: Kathryn A. Porter  
(signature of CSFS employee initiating request)

Please initiate the following transaction. Copies of all appropriate supporting documents are attached.

THIS IS A REQUEST FOR (CHECK ONE):

JOURNAL ENTRY/ACCOUNT TRANSFER:

Transfer \$ \_\_\_\_\_

Reason for transfer: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Document type/#: \_\_\_\_\_ FY \_\_\_\_\_

Vendor/employee name: \_\_\_\_\_

Debit funding \_\_\_\_\_ - \_\_\_\_\_ Credit funding( \_\_\_\_\_ - \_\_\_\_\_ )  
(Account-Subcode) (Account-Subcode)

Signature \_\_\_\_\_ Signature \_\_\_\_\_  
(Account Manager) (Account Manager)

CUSTOMER PAYMENT REFUND:

Send refund in amount of \$ 150.00 to customer listed below.

Received on CSFS Invoice # 36733 FY 94-95

Name: Richard Crabtree (524-58-9871)

Address: P.O. Box 252  
Bellvue CO 80512

Reason for refund: Completion of ST Lands Sale per request of Woodland Mgt Consultants  
see attached



**Woodland Management Consultants**

P.O. Box 10  
Fort Collins, Colorado 80522  
(303) 221-1336

March 30, 1997

Mike Hughes  
Colorado State Forest Service  
Colorado State University  
Foothills Campus  
Ft. Collins, CO 80523

Dear Mike,

Kindly issue a check for \$150 to Richard Crabtree, PO Box 252, Bellvue, CO 80512. This amount is for the performance bond on the firewood contract in Section 36, 12 North, R. 72 West dated December 3, 1996.

Thank you for your attention to this matter.

Sincerely,

Bill Gherardi

Forester, Woodland Management Consultants

cc: Richard Crabtree

To:

Invoice

36733

RICHARD CRABTREE

2002 N COUNTY RD 23

PO BOX 252

BELLVUE CO 80512



Date: MAY 18, 1995

Item	Unit Cost	Total
1 PERFORMANCE BOND FOR SALE OF 5/1/95 LA GARDE CREEK , T11N,R77W		150.00
2 SEC 36, 6TH PM LARIMER COUNTY, CO		
3		
4		
5		
6		
7		
8		
9		
Tax Exempt No. _____	Sales Tax	

*Kathy K. Pater*  
 CSFS Originator  
 Payment Due By THANK YOU

Remit to:

COLORADO STATE FOREST SERVICE  
 FORT COLLINS DISTRICT  
 BUILDING 1052 FOOTHILLS CAMPUS  
 COLORADO STATE UNIVERSITY  
 FORT COLLINS CO 80523-5060

Total		150.00
CK-CA-MO Amount Paid:		150.00
Amount Due		0
Ck# 3646	Dated 5/1/95	
Rcv'd By RLM	F.Y. 94/95	
Funding		Amount
0-19606	2060	150.00

Deposit No. 16062

Date 5-25-95



INSTRUCTIONS: Make all purchases in the name of the COLORADO STATE FOREST SERVICE. Attach this completed form to each invoice or document that results in a cost to CSFS and forward to the State Office for processing. Complete vendor address is necessary to process payment. Include Social Security number if requesting payment to an individual. Both signatures at bottom of this form must be completed before processing.

Make payment to: Woodland Mgt Consultants  
 Date Prepared: 1-23-97  
 Prepared by: Ruby Porter  
 Assigned PO/DPO Number: PO # 513911

Comments or Special Instructions:  
 GSA Julian Date: \_\_\_\_\_ GSA S/N: \_\_\_\_\_  
 Invoice #: \_\_\_\_\_ Bill To: \_\_\_\_\_

Item #	Account	Subcode	Invoice #	Invoice Date	Description of Supplies or Services	Amount
1	1-93210 <sup>2550</sup>	4550		12/26/96	257/ \$285 Stampage	71.25
2					Payment on CSFS I#	
3					42349	
4						
5						
6						
7						
8						

Receipt Certification:  
 Date: 1-23-97  
Ruby R Porter  
 Signature

Expenditure Approval:  
 Date: \_\_\_\_\_  
 \_\_\_\_\_  
 Authorized Signature

TOTAL \$ 71.25

To: RICHARD OR DEBORAH CRABTREE  
 PO BOX 252  
 BELLVUE CO 80512

Invoice No. 42349



Date: JANUARY 23, 1997

Item	FCSL 96-4 S36, T12N, R72W, LARIMER COUNTY, COLO	Unit Cost	Total
1	STUMPAGE PAYMENT		285.00
2			
3			
4			
5			
6			
7			
8			
9			
Tax Exempt No. _____		Sales Tax	

*Kathy R. Porter*  
 CSFS Originator  
 Payment Due By THANK YOU

Remit to:  
 COLORADO STATE FOREST SERVICE  
 FORT COLLINS DISTRICT  
 BUILDING 1052 FOOTHILLS CAMPUS  
 COLORADO STATE UNIVERSITY  
 FORT COLLINS CO 80523-5075

Total		285.00
CK-CA-MO Amount Paid:		285.00
Amount Due		0
Ck# 5414	Dated	12/21/96
Rcv'd By KRP	F.Y.	96/97
Funding		Amount
1-92550	4550	71.25
1-92550	0641	48.00
1-93210	0641	165.75

Deposit No. \_\_\_\_\_ Date \_\_\_\_\_

To: DWIGHT CLARK-LOGGING  
 5531 W CTY RD 20  
 LOVELAND CO 80537

Invoice No. 42348



Date: 1/24/97

Item	Unit Cost	Total
FCSL 97-1 SEC 36, T12N, R72W, LARIMER COUNTY, COLO		
1 PERFORMANCE BOND (MOEN SECTION)		400.00
2 PERMIT APPLICATION FEE		25.00
3		
4		
5		
6		
7		
8		
9		
Tax Exempt No. _____	Sales Tax	

*Kathy R. Porter*  
 CSFS Originator  
 Payment Due By THANK YOU

Remit to:  
 COLORADO STATE FOREST SERVICE  
 FORT COLLINS DISTRICT  
 BUILDING 1052 FOOTHILLS CAMPUS  
 COLORADO STATE UNIVERSITY  
 FORT COLLINS CO 80523-5060

Total		425.00
CK-CA-MO Amount Paid:		425.00
Amount Due		0
Ck# 5914	Dated	1/19/97
Rcv'd By KRP	F.Y.	96/97
Funding		Amount
0-19606	2060	400.00
1-93210	0646	25.00

Deposit No. \_\_\_\_\_ Date \_\_\_\_\_

### TIMBER SALE CONTRACT

Agreement entered into this 19TH day of JANUARY, 1997 between WOODLAND MGT CONSULTANTS,  
(Name of Seller)  
PO Box 10, of FT. COLLINS, COLORADO 80522  
(Address) (Post Office) (State)  
 hereinafter is called the seller, and DWIGHT CLARK LOGGING, of 5531 W. STY RD 20,  
(Name of Purchaser) (Address)  
LOVELAND, COLORADO 80537, hereinafter called the purchaser.  
(Post Office) (State)

Witnesseth:

The seller being the legal owner, or the lawful authorized agent, agrees to sell; and, the purchaser agrees to buy the following described timber upon the terms and conditions hereinafter stated.

#### I. Location and Description

The cruise volume of the marked or designated timber is estimated at 100 MBF & 200 CORDS from approximately 300 acres designated on-the-ground by the seller (see Exhibit A) prior to cutting and located in:

Township	Range	Section	County	State
<u>12 N</u>	<u>72 W</u>	<u>36</u>	<u>LARIMER</u>	<u>COLORADO</u>

The timber has been designated for sale on the basis of PRESCRIPTION tree marking. All PRESCRIBED trees are to be cut and paid for as outlined in Section III. The UNPRESCRIBED trees are not to be cut and remain the property of the seller. The marking will consist of: HEALTHY LEAVE TREES ON 2 TIMES AVERAGE DBH IN FEET.

Sale boundaries are marked in the following manner: FEENCE LINE ON EAST, FLAG LINE ON NORTH.

#### II. Contract

It is agreed upon between the seller and the purchaser that this contract begins JANUARY 19, 1997 and terminates on MARCH 1, 1998. (Merchantable material, cut and left in the woods; and/or designated trees left uncut shall be paid for as specified in Section III. Any timber and/or other products left in the woods after the termination date will revert to the landowner. Undesignated trees which are cut and/or removed without the consent of the seller constitutes an illegal trespass).

#### III. Payment

The purchaser agrees to pay the seller for the timber defined as follows:

SPECIES & PRODUCT	ESTIMATED QUANTITY & UNIT	MINIMUM SPECIFICATIONS					PAYMENT RATE PER UNIT OF MEASURE
		TREES		PIECE REQUIRED TO BE REMOVED			
		DBH (INCHES)	NO. OF MIN. PIECES	LENGTH (FEET)	DIB (INCHES)	PERCENT SOUND	
PONDEROSA PINE SAW LOGS	100 MBF	8.0	1	16	5.0	50	\$20 / MBF
ROUNDWOOD	200 CDS	5.0	1	16	4.0	50	\$10 / CORD

Payment is to be made prior to entry of each block, per Exhibit B. The scaling and measurement shall be handled and recorded as follows:

PURCHASER LOAD TICKETS - EACH LOAD EQUALS 1 MBF OF SAWTIMBER & 8 CORDS OF WOOD.

The title for the timber and other products remain in the seller's name until paid for by the purchaser.

#### IV. Performance Bond

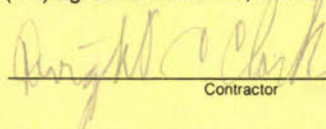
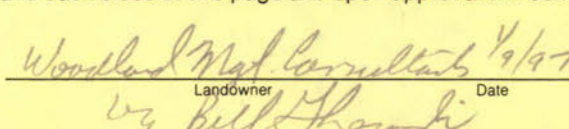
The purchaser shall furnish a performance bond in the amount of \$400 or cash in lieu thereof to be deposited in escrow at \_\_\_\_\_ [Upon satisfactory completion of all contract requirements, in performance bond or cash + interest will be returned to the purchaser. Upon unsatisfactory completion of the contract requirements the performance bond or cash + interest will be turned over to the seller. (Forfeiture of bond by the contractor may limit eligibility on future contracts.)]

#### V. Other Provisions [See Reserve Side for Continuation of Provisions]

- (1) NORMAL OPERATION IS FROM NOVEMBER 1 THRU MARCH 1
- (2) PURCHASER IS RESPONSIBLE FOR ROAD MAINTENANCE AND SLASH BURNING
- (3) PURCHASER WILL PAY FOREST MOED \$10 PER TRUCKLOAD FOR USE OF ROAD.
- (4) THE B25 APPLICATION FEE IS NON-REFUNDABLE.

#### APPROVAL AND EXECUTION

I (we) agree to the terms, duties and conditions stated on both the front and back sides of this page and upon approval will comply therewith.

 Contractor	<u>1-19-97</u> Date	 Landowner by <u>Bill Shanks</u>	<u>1/9/97</u> Date
--	------------------------	--	-----------------------

OTHER PROVISIONS CONTINUED:

The PURCHASER agrees to cut and remove said timber in strict accordance with the following conditions:

- a. Stumps will not exceed 6 inches in height on the uphill side.
- b. PURCHASER will use existing roads, and they shall be kept free of logs, brush and debris resulting from the PURCHASER's operations. Any road used by the PURCHASER in connection with this sale that is damaged or injured beyond ordinary wear and tear through such use shall be restored by him to its original condition. All roads will be given proper closing maintenance before they are accepted as completed for closure.
- c. New roads for the sale will be designated on the ground by \_\_\_\_\_  
\_\_\_\_\_  
Purchaser agrees to cut all merchantable trees (as defined in Section III) in road right-of-way, dispose of stumps by \_\_\_\_\_  
\_\_\_\_\_ and to lop and scatter all slash from cut trees within the clearing limits, outside of the road right-of-way.
- d. Procurement of rights-of-way affecting timber or lands outside the sale area shall be handled by the PURCHASER.
- e. PURCHASER shall protect property such as fields, fences, telephone, light, and power lines, building, ditches, bridges, etc., against unnecessary damage, and shall repair damage caused by him by restoring them immediately to the condition found prior to damage.
- f. As far as practical, all logging and hauling operations shall be in an orderly and progressive manner, exercising all possible protection to young growth and shall give due consideration to disturbances which will affect soil movement or impair and aggravate water movement.
- g. Slash disposal is the responsibility of the PURCHASER. All slash is to be lopped and scattered not to exceed a depth of 18" above the ground level with limbs not to exceed 8 feet in length. All slash created by spur road or skid trail or landing construction shall either be piled or shall be uniformly scattered off of the construction site. Slash is to be disposed of as the sale progresses. The PURCHASER agrees to comply with all local fire laws.
- h. No witness trees shall be cut in this timber sale.
- i. In the event of fire killed trees or insect infested trees, the Seller agrees to sell, and Buyer agrees to buy, the wood that is salvageable and merchantable at a stumpage value as negotiated between the seller and the buyer at the signing of the contract at the time the salvageable wood is processed on the sale area or removed from the sale area in tree length form.
- j. All trash & refuse generated by PURCHASER during his operation will be removed prior to contract termination.

**VI. General Description**

- a. This agreement, or any interest therein, may not be assigned by the PURCHASER without prior consent to the SELLER.
- b. This agreement shall be binding upon the heirs, administrators, executors, successors, or assigns of both parties.
- c. PURCHASER agrees to indemnify and hold harmless the SELLER from any and all damages, claims, or demands upon the part of third parties on account of any action by PURCHASER, his agents, servants, or employees, under this agreement, and furthermore, to respect and protect all right-of-way, easements, and servitudes belonging to any other party or parties, and enjoin not injure, damage, or waste the same in any way whatsoever, and does hereby indemnify and hold harmless the SELLER therefrom.
- d. In the event of dispute we agree to accept the decision of an arbitration board of three members; one to be selected by the SELLER, one by the PURCHASER, and the third to be selected by the first two.  
  
The arbiters must reach an agreement within 30 days.
- e. Purchaser agrees that all necessary licenses, permits, liability and workmen's compensation insurance will be his responsibility to insure compliance with all government laws, rules, and regulations.

CSFS ACCOUNTING REQUEST

CSFS #813  
Revised 7/92

DATE: 12-3-96

TO: State Office Accounting

FROM: Kathy R. Porter  
(signature of CSFS employee initiating request)

Please initiate the following transaction. Copies of all appropriate supporting documents are attached.

THIS IS A REQUEST FOR (CHECK ONE):

JOURNAL ENTRY/ACCOUNT TRANSFER:

Transfer \$ \_\_\_\_\_

Reason for transfer: \_\_\_\_\_

Document type/#: \_\_\_\_\_ FY \_\_\_\_\_

Vendor/employee name: \_\_\_\_\_

Debit funding \_\_\_\_\_ - \_\_\_\_\_ Credit funding( \_\_\_\_\_ - \_\_\_\_\_ )  
(Account-Subcode) (Account-Subcode)

Signature \_\_\_\_\_ (Account Manager) Signature \_\_\_\_\_ (Account Manager)

CUSTOMER PAYMENT REFUND:

Send refund in amount of \$ 125.00 to customer listed below.

Received on CSFS Invoice # 410692 *copy attached* FY 96/97

Name: Lester Crabtree

Address: Box 799, Hwy. 230  
Laramie, WY 82070

Reason for refund: Refund of Performance  
Bond from ST Land Sale



To:

Invoice No. 42342

RICHARD OR DEBORAH CRABTREE  
PO BOX 252  
BELLVUE CO 80512



Date: DECEMBER 3, 1996

Item	Unit Cost	Total
1 FCSL 96-4 S36, R72W T12N, LARIMER COUNTY, 6TH PM COLO PERMIT APPLICATION FEE (MOEN SECTION)		25.00
2		
3		
4		
5		
6		
7		
8		
9		
Tax Exempt No. _____	Sales Tax	

CSFS Originator  
Payment Due By THANK YOU

Total	25.00
CK-CA-MO Amount Paid:	25.00=
Amount Due	0
Ck# <u>4856</u>	Dated <u>12/3/96</u>
Rcv'd By <u>MH</u>	F.Y. <u>96/97</u>
Funding	Amount
<u>1-93210</u>	<u>0646</u> <u>25.00</u>

Remit to:

Deposit No. \_\_\_\_\_ Date \_\_\_\_\_

To: DWIGHT C CLARK LOGGING  
5531 W CTY RD 20  
LOVELAND CO 80537

Invoice No. 42343



Date: DECEMBER 3, 1996

Item	FCSL 96-1	S36 T11N R77W, 6TH PM, COLORADO	Unit Cost	Total
1	STUMPAGE PAYMENT LA GARDE CREEK			1260.00
2				
3				
4	DIRECT COSTS :	2 HOURS @ \$24/HR	48.00	
5		GHERARDI'S INV OF 12/4/96	315.00	
6			363.00	
7		NET TO SLB	897.00	
8				
9				
Tax Exempt No. _____			Sales Tax	

*Kathy R Porter*  
 CSFS Originator  
 Payment Due By THANK YOU

Remit to:  
*12-4-96*

Total		1260.00
CK-CA-MO Amount Paid:		1260.00
Amount Due		0
Ck#	5837	Dated 11/30/96
Rcv'd By	MH	F.Y. 96/97
Funding		Amount
1-92550	4550	315.00
1-92550	0641	48.00
1-93210	0641	897.00

Deposit No. \_\_\_\_\_ Date \_\_\_\_\_

**TIMBER SALE CONTRACT**

Agreement entered into this 3rd day of December, 1996 between Woodland Mgt Consultants (Name of Seller)  
PO Box 100, of Fort Collins, Colorado 80522 (Address) (Post Office) (State)  
 hereinafter is called the seller, and Richard Crabtree, of PO Box 252,  
Bellvue, Colorado 80512 (Name of Purchaser) (Address) (Post Office) (State), hereinafter called the purchaser.

Witnesseth:

The seller being the legal owner, or the lawful authorized agent, agrees to sell; and, the purchaser agrees to buy the following described timber upon the terms and conditions hereinafter stated.

**I. Location and Description**

The cruise volume of the marked or designated timber is estimated at 100 cords from approximately 40 acres designated on-the-ground by the seller (see Exhibit A) prior to cutting and located in:

Township	Range	Section	County	State
<u>12 North</u>	<u>72 West</u>	<u>36</u>	<u>Larimer</u>	<u>Colorado</u>

The timber has been designated for sale on the basis of prescription tree marking. All dead trees are to be cut and paid for as outlined in Section III. The live trees are not to be cut and remain the property of the seller. The marking will consist of: all standing and down dead trees.

Sale boundaries are marked in the following manner: fencelines.

**II. Contract**

It is agreed upon between the seller and the purchaser that this contract begins December 3, 1996 and terminates on March 29, 1997. (Merchantable material, cut and left in the woods; and/or designated trees left uncut shall be paid for as specified in Section III. Any timber and/or other products left in the woods after the termination date will revert to the landowner. Undesignated trees which are cut and/or removed without the consent of the seller constitutes an illegal trespass).

**III. Payment**

The purchaser agrees to pay the seller for the timber defined as follows:

SPECIES & PRODUCT	ESTIMATED QUANTITY & UNIT	MINIMUM SPECIFICATIONS					PAYMENT RATE PER UNIT OF MEASURE
		TREES		PIECE REQUIRED TO BE REMOVED			
		DBH (INCHES)	NO. OF MIN. PIECES	LENGTH (FEET)	DIB (INCHES)	PERCENT SOUND	
<u>dead-roundwood</u>	<u>100 cds.</u>	<u>5.0</u>	<u>1</u>	<u>8</u>	<u>3.0</u>	<u>100</u>	<u>\$15 per cord</u>

Payment is to be made prior to entry of each block, per Exhibit B. The scaling and measurement shall be handled and recorded as follows:

The title for the timber and other products remain in the seller's name until paid for by the purchaser.

**IV. Performance Bond**

The purchaser shall furnish a performance bond in the amount of transfer \$150-3/4/95 or cash in lieu thereof to be deposited in escrow at \_\_\_\_\_ [Upon satisfactory completion of all contract requirements, in performance bond or cash + interest will be returned to the purchaser. Upon unsatisfactory completion of the contract requirements the performance bond or cash + interest will be turned over to the seller. (Forfeiture of bond by the contractor may limit eligibility on future contracts.)]

**V. Other Provisions [See Reserve Side for Continuation of Provisions]**

1. Application fee of \$25 is non-refundable.
2. Road use fee of \$10 per truckload will be paid to Forest Moon.

**APPROVAL AND EXECUTION**

(we) agree to the terms, duties and conditions stated on both the front and back sides of this page and upon approval will comply therewith.

Richard Crabtree Contractor Date 11/3/96  
William Shandi Landowner Date 12/3/96  
 for Woodland Management Consultants

11/3/96 #4856 - 25.00

OTHER PROVISIONS CONTINUED:

The PURCHASER agrees to cut and remove said timber in strict accordance with the following conditions:

- a. Stumps will not exceed 6 inches in height on the uphill side.
- b. PURCHASER will use existing roads, and they shall be kept free of logs, brush and debris resulting from the PURCHASER's operations. Any road used by the PURCHASER in connection with this sale that is damaged or injured beyond ordinary wear and tear through such use shall be restored by him to its original condition. All roads will be given proper closing maintenance before they are accepted as completed for closure.
- c. New roads for the sale will be designated on the ground by \_\_\_\_\_  
\_\_\_\_\_
- Purchaser agrees to cut all merchantable trees (as defined in Section III) in road right-of-way, dispose of stumps by \_\_\_\_\_  
\_\_\_\_\_ and to lop and scatter all slash from cut trees within the clearing limits, outside of the road right-of-way.
- d. Procurement of rights-of-way affecting timber or lands outside the sale area shall be handled by the PURCHASER.
- e. PURCHASER shall protect property such as fields, fences, telephone, light, and power lines, building, ditches, bridges, etc., against unnecessary damage, and shall repair damage caused by him by restoring them immediately to the condition found prior to damage.
- f. As far as practical, all logging and hauling operations shall be in an orderly and progressive manner, exercising all possible protection to young growth and shall give due consideration to disturbances which will affect soil movement or impair and aggravate water movement.
- g. Slash disposal is the responsibility of the PURCHASER. All slash is to be lopped and scattered not to exceed a depth of 18" above the ground level with limbs not to exceed 8 feet in length. All slash created by spur road or skid trail or landing construction shall either be piled or shall be uniformly scattered off of the construction site. Slash is to be disposed of as the sale progresses. The PURCHASER agrees to comply with all local fire laws.
- h. No witness trees shall be cut in this timber sale.
- i. In the event of fire killed trees or insect infested trees, the Seller agrees to sell, and Buyer agrees to buy, the wood that is salvageable and merchantable at a stumpage value as negotiated between the seller and the buyer at the signing of the contract at the time the salvageable wood is processed on the sale area or removed from the sale area in tree length form.
- j. All trash & refuse generated by PURCHASER during his operation will be removed prior to contract termination.

**VI. General Description**

- a. This agreement, or any interest therein, may not be assigned by the PURCHASER without prior consent to the SELLER.
- b. This agreement shall be binding upon the heirs, administrators, executors, successors, or assigns of both parties.
- c. PURCHASER agrees to indemnify and hold harmless the SELLER from any and all damages, claims, or demands upon the part of third parties on account of any action by PURCHASER, his agents, servants, or employees, under this agreement, and furthermore, to respect and protect all right-of-way, easements, and servitudes belonging to any other party or parties, and enjoin not injure, damage, or waste the same in any way whatsoever, and does hereby indemnify and hold harmless the SELLER therefrom.
- d. In the event of dispute we agree to accept the decision of an arbitration board of three members; one to be selected by the SELLER, one by the PURCHASER, and the third to be selected by the first two.  
  
The arbiters must reach an agreement within 30 days.
- e. Purchaser agrees that all necessary licenses, permits, liability and workmen's compensation insurance will be his responsibility to insure compliance with all government laws, rules, and regulations.

# Colorado State Forest Service PRESCRIBED FIRE PLAN



<b>Project Name:</b>	Georges Gulch State Land Piles
<b>Landowner:</b>	State Land Board
<b>District:</b>	Fort Collins
<b>Pile or Broadcast:</b>	Piles
<b>Project Complexity:</b>	Low

**Prepared by:**

Name:	Title:	Date:
Boyd Lebeda	District Forester	10/26/05

**Reviewed and Recommended by:**

Name:	Title:	Date:
<i>Boyd Lebeda</i>	District Forester	10/31/05
<i>David A. Farmer</i>	Fire Management Field Coordinator	11-4-05

**Approved by:**

Name:	Title:	Date:
<i>R. Homann</i>	Prescribed Fire and Fuels Manager	11-4-05

Upon final approval, a copy of the burn plan will be provided to the CSFS Field Operations Supervisor.

This Prescribed Fire Plan is valid for five years from the final approval date.

**NOTICE:** The approved Prescribed Fire Plan constitutes a delegation of authority to burn. No one has the authority to burn without an approved plan or in a manner not in compliance with the approved plan. Actions taken in compliance with the approved Prescribed Fire Plan will be fully supported. Personnel will be held accountable for actions taken which are not in compliance with elements of the approved plan regarding execution in a safe and cost-effective manner.

### FIRE OUT CERTIFICATION

This certifies that all fire in the project area is out, and further patrol and/or mop-up activities are no longer needed. Projects with multiple units burned or multiple burn dates may require additional copies of Fire Out Certification forms. Once a burn is declared out, a copy of the signed Fire Out Certification form will be sent to the Prescribed Fire and Fuels manager within 24 hours.

<b>SIGNED:</b>	<i>Boyd Lebeda</i>	<b>TITLE:</b>	<i>District Forester</i>	<b>DATE:</b>	<i>3/3/06</i>
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X	PRESCRIBED FIRE LANDOWNER AGREEMENT	SLWP
	OTHER ATTACHMENTS	
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\* On file in District Office  


<b>PRESCRIBED FIRE PROJECT OBJECTIVES</b>	<b>PROJECT NAME:</b>	Georges Gulch Piles	<b>PREPARED BY:</b>	Boyd Lebeda	
	<b>BURN UNIT(s):</b>	One unit	<b>DATE PREPARED:</b>	10/26/05	
<b>PLANNED IMPLEMENTATION SEASON:</b>		Winter (October thru March)			
<b>RESOURCE MANAGEMENT OBJECTIVES (Objectives must be quantifiable):</b>					
Reduce Slash piles by 80%					
<b>SPECIFIC MANAGEMENT OR ADMINISTRATIVE CONSTRAINTS:</b>					
<b>MANAGEMENT USE/TYPE OF PROJECT (Check all that are appropriate)</b>					
Fuel Reduction:	<input checked="" type="checkbox"/>	Range Improvement:	<input type="checkbox"/>	Pest Control:	<input type="checkbox"/>
Wildlife:	<input type="checkbox"/>	Silviculture:	<input type="checkbox"/>	Species Conversion:	<input type="checkbox"/>
Other (specify):	<input type="checkbox"/>	Other (specify):	<input type="checkbox"/>	Other (specify):	<input type="checkbox"/>
<b>EST. TOTAL PROJECT COST:</b>	\$1700		<b>EST. COST PER ACRE:</b>	\$21.25	
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<b>COMPLEXITY ELEMENTS WORKSHEET</b> (Insert L, M or H Rating Value)			
<b>ELEMENT</b>	<b>RISK</b>	<b>POTENTIAL CONSEQUENCES</b>	<b>TECHNICAL DIFFICULTY</b>
1. POTENTIAL FOR ESCAPE	L	M	L
2. NUMBER AND DEPENDENCE OF ACTIVITIES	L	L	L
3. OFF-SITE VALUES	L	L	L
4. ON-SITE VALUES	L	L	L
5. FIRE BEHAVIOR	L	L	L
6. MANAGEMENT ORGANIZATION	L	L	L
7. PUBLIC AND POLITICAL INTEREST	L	L	L
8. FIRE TREATMENT OBJECTIVES	L	L	L
9. CONSTRAINTS	L	L	L
10. SAFETY	L	L	L
11. IGNITION PROCEDURES/METHODS	L	L	L
12. INTERAGENCY COORDINATION	L	L	L
13. PROJECT LOGISTICS	L	L	L
14. SMOKE MANAGEMENT	L	L	L
15. OTHER			
<b>SUMMARY</b>	L	L	L
<b>COMPLEXITY RATING SUMMARY</b>			
<b>ELEMENT</b>	<b>OVERALL RATING</b>		
<b>RISK</b>	L		
<b>POTENTIAL CONSEQUENCES</b>	L		
<b>TECHNICAL DIFFICULTY</b>	L		
<b>SUMMARY COMPLEXITY DETERMINATION</b>	L		
<b>RATIONALE: If implemented under this prescription and done according to this burn plan, the project will safely meet the objective as planned.</b>			
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## SCHEDULING AND NOTIFICATION

### IGNITION SCHEDULING

<b>Season:</b>	Winter
<b>Approximate Date(s):</b>	November – March
<b>Blacklining Planned Time of Day:</b>	n/a
<b>Main Ignition Planned Time of Day:</b>	1000
<b>Planned Length of Ignition Phase:</b>	2 hours
<b>Planned Length of Burnout Phase:</b>	4 hours

### PRESCRIBED FIRE NOTIFICATION LIST

<b>PROJECT NAME:</b> Georges Gulch Piles	<b>DATE:</b>
<b>LEGAL:</b> T12N, R72W, Sec 36	
<b>LATITUDE:</b> 40 deg 57.794'	<b>LONGITUDE:</b> 105 deg 24.712'
<b>GEOGRAPHIC REFERENCE:</b>	

AGENCY	PHONE	CONTACT RESPONSIBILITY	COMPLETED DATE, TIME & INITIALS
<b>FIRE DEPARTMENTS:</b>			
See below	Thru 900 Dispatch 970.416.1985	Burn Boss or Admin Assistant	↖
<b>SHERIFF'S OFFICE AND LOCAL DISPATCH:</b>			
Request information page to: Livermore, Glacier View, On-Call Emergency Services, ARF FMO and Canyon Lakes RD FMO	Thru 900 Dispatch 970.416.1985	Burn Boss	2/20/04 BL ↘
<b>CSFS:</b>			
CSFS Fire Division or FDO	970.491.6303	Burn Boss	
Zone FMFC – Farmer	970.491.8078	Burn Boss	2/17/06 BL
<b>FEDERAL AGENCIES:</b>			
Zone Dispatch Centers - FTC	970.295.6800	Burn Boss	2/17/06 BL
	Also via Internet submission	“	“
<b>OTHER AGENCIES:</b>			

<b>AIR QUALITY</b>			
CDPHE-APCD	Per Permit Process	Burn Boss	10/31/05 BL
			2/17/06 BL
<b>INDIVIDUALS</b>			
Forest Moen – Neighboring Rancher	970.493.7021	Burn Boss	9/13/05 BL 7/27 BL
Mark Moen	419.8649		2/17/06 BL 7/27 BL
<b>MEDIA</b>			
JoAn Bjarko – North Forty News	970.221.0213	Burn Boss	2/17/06 BL

<b>Public Information Plan and Needs</b>
<p>Little public interest is expected. Information requests will be handled by Burn Boss.</p>
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<b>GENERAL BURN AREA DESCRIPTION &amp; SUMMARY</b>	<b>County:</b>	Larimer	<b>Legal Description:</b>	T12N, R72W, Sec 36
	<b>Latitude:</b>	40 deg 57.794'	<b>Longitude:</b>	105 deg 24.712'
	<b>BROADCAST BURN:</b>		<b>PILE BURN:</b>	X
	<b>Total Project Acres:</b>		<b># of Piles:</b>	12
	<b>Maximum Allowable Acres:</b>		<b># of Acres:</b>	80

**PROJECT SUMMARY**

Describe the Following:

- 1 - General purpose(s) of the project as it relates to the overall management of the lands under jurisdiction of the agency.
- 2 - General project background.
- 3 - General risks associated with use of prescribed fire within the project area.
- 4 - Expected accomplishments.

1. Burn slash piles from past timber harvest
2. Sale completed in 1999 – contractor did not complete pile burning
3. Uneven, persistent snow cover, high winds
4. Reduce all 12 piles by 80% of their volume

**DESCRIPTION OF TOPOGRAPHY**  
(identify terrain features)

	<b>Project Area</b>	<b>Adjacent Area</b>
<b>Description:</b>	Georges Gulch State Trust Land	Private land – mostly grazing

**UNIT DESCRIPTIONS:**

UNIT NAME OR NUMBER	LATITUDE & LONGITUDE (CENTER OF UNIT)	ASPECTS	SLOPE RANGES (%)	ELEVATION (TOP)	ELEVATION (BOTTOM)	MAJOR FUEL MODELS	SIZE (ACRES)
1	Shown above	SE	0-10	7600	7320	2 and 9	80

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<b>FUELS DESCRIPTION FOR BROADCAST BURNS</b>													
<i>(include descriptions of fuels adjacent to project area)</i>													
<b>BURN UNIT(s):</b>	<b>Project Area</b>						<b>Adjacent Area:</b>						
<b>Cover Type(s):</b>													
<b>% Cover</b>	Grass		Shrub		Timber		Grass		Shrub		Timber		
<b>Fuel Model(s):</b>													
<b>Fuel Loading:</b>	<1/4"	1/4-1"	1-3"	3-9"	>9"	Total Dead	<1/4"	1/4-1"	1-3"	3-9"	>9"	Total Dead	
(tons per acre)													
<b>Live Shrubs:</b>													
<b>Live Herbaceous</b>													
<b>Duff Depth:</b>													
<b>Surface Fuel Depth:</b>													
<b>Comments:</b>													

Repeat as necessary for projects with multiple burn units.

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<b>FUELS DESCRIPTION FOR PILE BURNS</b>							
<i>(include descriptions of fuels adjacent to project area)</i>							
<b>BURN UNIT(s):</b>	Georges Gulch	SNOW	YES		NO		
<b>DEPTH</b>	<b>3" or more</b>						
<b>Adjacent Area Cover Type(s):</b>	Meadows and open ponderosa pine						
<b>Burn Unit Cover Type(s):</b>	Open ponderosa pine						
<b># of Piles:</b>	12						
<b># of Acres:</b>	80						
<b>Average Pile Dimensions:</b>	15x15x6						
<b>Average Gross Pile Volume:</b>	1350						
<b>Pile Composition by Size Class:</b>	< 1/4"	1/4 to 1"	1 to 3"	3 to 9"	> 9"		
(List by Total % of Pile):	10	20	40	30	0		

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<b>ACCEPTABLE WEATHER PARAMETERS* - Blacklining</b>						
UNIT NAME OR NUMBER	Temperature (range/desired)	Relative Humidity (range/desired)	Mid-Flame Wind Speed (range/desired)	Wind Direction (range/desired)	Cloud Cover (range/desired)	Other

<b>ACCEPTABLE FUEL MOISTURE PARAMETERS* - Blacklining</b>						
UNIT NAME OR NUMBER	1-HR FM (range/desired)	10-HR FM (range/desired)	100-HR FM (range/desired)	1000-HR FM (range/desired)	Live FM (range/desired)	Other

<b>ACCEPTABLE WEATHER PARAMETERS* – Burning</b>						
UNIT NAME OR NUMBER	Temperature (range/desired)	Relative Humidity (range/desired)	Mid-Flame Wind Speed (range/desired)	Wind Direction (range/desired)	Cloud Cover (range/desired)	Other
1	0-50 / 25	20-100 / 50	0-15 / 5	Any / E	Any / 0	

<b>ACCEPTABLE FUEL MOISTURE PARAMETERS* – Burning</b>						
UNIT NAME OR NUMBER	1-HR FM (range/desired)	10-HR FM (range/desired)	100-HR FM (range/desired)	1000-HR FM (range/desired)	Live FM (range/desired)	Other
1	3-15 / 5	3-15 / 6	5-20 / 7	10 – 20 / 15	70 – 200 / 125	

<b>ADJACENT AREA – CRITICAL PARAMETERS FOR HOLDING</b>							
UNIT NAME OR NUMBER	1-HR FM (range/desired)	10-HR FM (range/desired)	100-HR FM (range/desired)	1000-HR FM (range/desired)	Live FM (range/desired)		Mid-Flame Windspeed
1	3-15 / 5	3-15 / 6	5-20 / 7	10 – 20 / 15	70 – 200 / 125		0-15 / 5

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**ACCEPTABLE FIRE BEHAVIOR PARAMETERS\* - Blacklining**

UNIT NAME OR NUMBER	Rate of Spread (range/desired)	Flame Length (range/desired)	Spotting Distance (range/desired)	Other

**EXPECTED FIRE BEHAVIOR NARRATIVE (Blacklining)**

Blacklining is expected to be done with a backing fire under the low or desired prescription. Backing flame lengths of less than 1 foot are desired during the black-lining operation. Any head fire flame lengths should not exceed 2-3 feet (see Head Fire Prescription below). Backing rates of spread will be negligible.

\*BEHAVE runs must be included for all broadcast burns.

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**ACCEPTABLE FIRE BEHAVIOR PARAMETERS\* - Broadcast Burn**

UNIT NAME OR NUMBER	Rate of Spread (range/desired)	Flame Length (range/desired)	Spotting Distance (range/desired)	Scorch Height (range/desired)	Other

**EXPECTED FIRE BEHAVIOR NARRATIVE (Broadcast Burn)**

\*BEHAVE runs must be included for all broadcast burns.

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**ACCEPTABLE FIRE BEHAVIOR PARAMETERS\* - PILE Burn**

UNIT NAME OR NUMBER	Wind Speed	Wind Direction	Snow Depth)	Scorch Height	Other
1	0-15	Any	3" or more	15'	

**EXPECTED FIRE BEHAVIOR NARRATIVE (Pile Burn)**

Piles are lacking fine fuels due to their age (6 or 7 years). They may have a relatively slow start. Once started we expect rapid consumption due to dryness of piles.

\* BEHAVE runs must be included in pile burn plans for the adjacent area only if burning without snow

## SMOKE MANAGEMENT

**Application Process for Smoke Permit:** Permits will be applied for and obtained prior to ignition per current Colorado Air Pollution Control Division regulations.

<b>State Permit #:</b>	<b>FCS-05-325</b>
<b>Dates Valid:</b>	<b>November – December 2005</b>
<b>Local Permit #:</b>	<b>n/a</b>
<b>Local Contacts:</b>	<b>n/a</b>
<b>Dates Valid:</b>	<b>n/a</b>

### Distance and Direction from Smoke Sensitive Areas

Sensitive Areas	Distance	Direction
1. US Hwy 287	1.5 to 2 miles	NE
2. Co Rd 46E	1.5 miles	E
3. Tie Siding, WY	10 miles	N
4.		
5.		

### Visibility Hazards

Highest visibility hazard would be impacts to US Hwy 287 and Co Rd 46E. Both are approximately 1.5 miles from the nearest pile.

### Residual Smoke Issues

Some down valley smoke drainage may occur at night.

### Mitigating Measures

(the following steps will be taken to ensure that smoke is managed appropriately)

1. Monitor smoke production and dispersal of test burn
2. Igniting piles in small groups
3. Each group of piles will be monitored
4. We have already made contact with nearest resident, Forest Moen on Co Rd 46E
- 5.

### Contingency Smoke Plan

Individual piles may be extinguished and mopped up if directed by the burn boss.

<b>WORKFORCE &amp; EQUIPMENT NEEDS</b>	Burn Unit(s):	Georges Gulch	
	Burn Boss Type:	RXB3	
	Resource Advisor:	Hughes / Lebeda	
<b>PERSONEL REQUIREMENTS</b>	<b>Blacklining</b>	<b>Broadcast</b>	<b>Pile Burn</b>
Burn Boss	NA	NA	1
Ignitions Specialist			1
Holding Specialist			
Firing Crew			2
PIO			
Safety Officer			
<b>TOTALS</b>			4
<b>EQUIPMENT REQUIREMENTS</b>	<b>Blacklining</b>	<b>Broadcast</b>	<b>Pile Burn</b>
Engines	NA	NA	1 Type 6X
Drip torches			4 ea
Misc. Vehicles			Chase Truck
ATVs			
Portable Pumps			
<b>TOTALS</b>			
<b>SUPPLY REQUIREMENTS</b>	<b>Blacklining</b>	<b>Broadcast</b>	<b>Pile Burn</b>
Drip torch fuel/gals	NA	NA	20 gallons
Fusees			20
Radios			1 per person
<b>TOTALS</b>			

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## PRESCRIBED FIRE SAFETY PLAN

### Safety Zones and Escape Routes

Snow covered areas will prevent fire spread and be good safety zones and escape routes.

If we have warm weather and the snow cover retreats, snow will persist under tree canopies longer than in meadows.

Areas that have burned and sufficiently cooled will also be safe zones.

### Safety Hazards

1. Driving in snowy conditions
2. Heat from drip torch fuel and piles
3. Slippery footing

### Mitigation of Safety Hazards

1. Drive slow, put vehicle in 4WD before you need it. Put on tire chains before you need them.
2. Make sure you have a route to back away from heat sources. Let piles burn down before going in to chunk them.
3. Take your time and watch your step.

### Public Safety

Advise burn boss of guests to the burn area.

**PRESCRIBED FIRE MEDICAL PLAN**

**MEDICAL AID STATIONS, CLINICS, TRAUMA CENTERS OR HOSPITALS**

NAME OF CARE FACILITY	PHYSICAL ADDRESS	TRAVEL TIME (MINUTES) AIR / GND.	PHONE NUMBER	BURN CENTER (Check Y or No)	HELIPAD (Check Y or N)
Poudre Valley Hospital	2024 Lemay, Ft. Collins		970.484.1227	N	Y
Iverson Mem. Hospital	255 N. 30 <sup>th</sup> , Laramie		307.742.2141	N	Y
N. Colo. Medical Center	1801 16 <sup>th</sup> , Greeley		970.352.4121	Y	Y

**AIR AND GROUND PATIENT TRANSPORTATION**

NAME OF TRANSPORT AGENT	PHYSICAL ADDRESS	PHONE NUMBER	PARAMEDICS (Check Y or N)
Livermore Fire	Contact thru 900 Dispatch	970.416.1985	<i>EMT's</i>
Poudre Valley Hospital	Contact thru 900 Dispatch	970.416.1985	<i>Y</i>
Air Life	Contact thru 900 Dispatch	970.416.1985	<i>Y</i>
Flight for Life	Contact thru 900 Dispatch	970.416.1985	<i>Y</i>

**MEDICAL EMERGENCY PROCEDURES**

All major medical incidents will be reported through the appropriate zone dispatch center repeater channels - declare "Medical Emergency, please clear the air". Provide dispatch with the type(s) of injury, # of persons injured, and basic vital signs. Utilize on-site EMTs and/or first aid treatment to stabilize and comfort the patient(s). Medivac helispot(s) should be previously identified and will be a minimum of 100' X 100' in size and advise dispatch of obvious flight hazards (e.g. power lines). For minor injuries, transport the injured to the nearest medical facilities via project vehicles. Contact dispatch for logistical support. Relay to dispatch "Non-emergency" if appropriate. Note: Other helicopters may land at hospital helipads, however these hospital helipads often need a minimum of 10 minutes notice to clear the pad. Utilize zone dispatch for initial order of air- evac transportation.

**DIRECTIONS FROM NEAREST MEDICAL FACILITY TO PROJECT VIA GROUND TRANSPORTATION**

1. North on Lemay to Riverside
2. Left on Riverside
3. Riverside becomes Jefferson Street
4. Right on US Hwy 287 / College Ave
5. US Hwy 287 31 miles to CR 45E
6. Left on CR 45E
7. Left on CR 45N
8. Burn site is approximately 1 mile NW of Forest Moen Ranch HQ. Follow tracks in snow.

**LATITUDE / LONGITUDE AND GROUND CONTACT FREQUENCY OF PROJECT MEDIVAC HELISPOT**

<b>LATITUDE:</b>	40 deg 58.200'	<b>LONGITUDE:</b>	105 deg 24.863'	<b>FREQUENCY:</b>	172.325
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CSFS #170 (Rev. 10/2005) – DRAFT

<b>PRESCRIBED FIRE COMMUNICATIONS PLAN</b>	<b>BURN UNIT(s):</b>	Georges Gulch
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**BASIC CHANNEL UTILIZATION**

SYSTEM	RX FREQ.	RX TONE	TX FREQ.	TX TONE	ASSIGNMENT	REMARKS
	151.340		151.340		Tactical	CSFS
	154.385	156.7	154.385	156.7	Command	LRX Firenet
	172.325		172.325		Air to Ground	Air Evac

**PROJECT CELLULAR PHONES**

PERSONNEL NAME:	CELLULAR PHONE NUMBER:
Boyd Lebeda	970.222.8693
Mike Hughes	970.222.8368

**SPECIAL INSTRUCTIONS**

Each person on the project is to:

1. Have a radio *or,*
2. stay with a vehicle that has a radio *or,*
3. stay with a person who has a radio

<b>PRESCRIBED FIRE IGNITION PLAN</b>	<b>BURN UNIT(s):</b>	Georges Gulch
<b>IGNITION METHODS:</b>	Drip Torch	
<b>NARRATIVE OF IGNITION PLAN AND ASSIGNMENTS</b>		
<p>Test burn the most down wind pile.</p> <p>If given go ahead by burn boss, ignite in groups of 2 or 3 piles at a time working into the wind.</p>		
<b>SPECIAL INSTRUCTIONS</b>		
CSFS #170 (Rev. 10/2005) – DRAFT		

<b>PRESCRIBED FIRE HOLDING PLAN</b>	<b>BURN UNIT(s):</b>	Georges Gulch
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**NARRATIVE OF HOLDING PLAN AND ASSIGNMENTS**

Given 3" or more persistent snow cover, holding actions should not be necessary. If snow retreats and burn boss determines that holding is necessary, then 2 firing crew members will become holding crew members with handtools and chainsaw (if necessary).

<b>WATER SOURCES</b>	<b>DISTANCE TO WATER SOURCES</b>
Forest Moen Ranch	1 mile

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<b>PRESCRIBED FIRE MOP-UP PLAN</b>	<b>BURN UNIT(s):</b>	Georges Gulch
<b>INITIAL MOP-UP PLAN</b>		
<p>Given 3" or more persistent snow cover, mop up actions should not be necessary.  Piles will be allowed to burn down to meet consumption objectives.  Piles may be mopped up due to smoke management concerns.</p>		
<b>EXTENDED MOP-UP AND PATROL PLAN</b>		
<p>A 24 hour check will be done by burn boss. Burn boss will make determination if any mop up is needed.</p>		
<p>CSFS #170 (Rev. 10/2005) - DRAFT</p>		

<b>ESCAPED FIRE ANALYSIS &amp; ACTION PLAN</b>	<b>BURN UNIT(s):</b>	Georges Gulch	
<b>ASSESSMENT</b>			
Escape is unlikely given the prescription			
<b>THREAT TO LIFE &amp; PROPERTY</b>			
Low given the prescription			
<b>ESCAPED FIRE TRIGGERS MECHANISMS</b>			
<p><b>ESCAPED FIRE TRIGGERS: 1. Loss of snow cover resulting in fire spread greater than 100 feet from piles.</b></p> <p><b>FIRE OUTSIDE OR THREATENING THE MAXIMUM MANAGEABLE AREA (MMA):</b> A maximum manageable area or MMA is described as the area within 100 feet of each pile. The area within the MMA is the allowable burn area and includes the designated burn or treatment units. Areas outside of the MMA are not within the management jurisdiction of the prescribed fire plan. Any areas outside the MMA that are ignited as a result of spotting and/or spread from the prescribed fire will be promptly managed with appropriate strategies and resources. If minimal overruns and/or spot-fires occur outside of the MMA, and can be adequately managed by the on-site personnel, ignitions will cease and the overruns or spot-fires will be suppressed as soon as possible. This must be accomplished prior to resuming ignition operations. In the event the observed fire behavior indicates a significant threat to the integrity of the MMA or if the overruns and/or spot-fires are more than what can be adequately managed with on-site personnel, prior to the next burn period, the prescribed fire <b>WILL</b> be declared a wildfire. The Burn Boss will become the Incident Commander and remain as such until the fire exceeds his/her capabilities. In addition, the Burn Boss will immediately initiate the <b>Initial Escaped Prescribed Fire Action Plan</b> as defined below.</p>			
<b>INITIAL ESCAPED FIRE ACTION PLAN</b>			
<p><b>INITIAL ESCAPED PRESCRIBED FIRE ACTION PLAN:</b> This plan is developed to consider the initial action response from fire and resource management personnel in the event the fire can no longer be managed as a prescribed burn. The events or conditions which lead the prescribed fire's command staff to make this determination in addition to an obvious escape outside of the MMA are called "Trigger Points" and must be identified. In the event a prescribed fire becomes a wildfire, the following procedures will be initiated:</p> <ol style="list-style-type: none"> <li>1. The Burn Boss will notify the appropriate Zone Dispatch Center and or Local Dispatch Center of the situation.</li> <li>2. The Burn Boss/I.C. will notify the CSFS Prescribed Fire Specialist and Zone FMFC of the situation. The I.C. will keep them informed of all action taken.</li> <li>3. The following table contains a list of <b>recommended</b> initial resources that <b>may</b> be ordered by the Incident Commander via the Zone Dispatch Center. These resource types and quantities are in-part derived from fire behavior calculations, risk assessments and holding force development processes, etc. <b>It should be stressed to all personnel associated with the project that this list is only a guide and does not imply that these resources are required to implement the project. In many cases, professional judgment and experience may be utilized as well.</b> This resource list is developed to aid the Incident Commander in providing the line officer in charge with a timely response to an escaped fire situation during the time period between the declaration of escape and the completion of the WFSA.</li> </ol>			
<b>RECOMMENDED INITIAL RESOURCE ORDER</b>			
<b>SUGGESTED RESOURCE:</b>	<b>DESIRED RESPONSE TIME TO INCIDENT (HOURS):</b>	<b>SUGGESTED RESOURCE:</b>	<b>DESIRED RESPONSE TIME TO INCIDENT (HOURS):</b>
Livermore Type 3X	30 minutes		
LRX ES Type 6X	45 minutes		
LRX ES ICT3	45 minutes		
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## Prescribed Fire Monitoring Plan

Monitoring of the burn can occur through data collection at specific plots, photo-documentation, weather observations, fire behavior observations, and fire effects observations as outlined below. Significant fire effects research has already been completed for many of the fuel types found in this area. Generally photo-points and ocular estimates, coupled with existing fire effects research, are adequate to determine short term fire effects and the overall success of the burn.

### Data Collection Plots:

**GPS points taken 9/13/05**

### Photo Documentation:

**Photos of piles on file at District Office**

### Weather Observations:

**NWS spot weather forecast and observations taken on the day of the burn**

### Fire Behavior Observations:

**Made by burn boss**

### First Order Fire Effects:

### Long-term Monitoring:

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## PRESCRIBED FIRE BRIEFING CHECKLIST

**Note: This outline is designed to aid the Burn Boss in formatting his/her briefing to prescribed fire personnel prior to initiating a prescribed fire project.**

- Burn Organization**
  - Organization Chart / Personnel Assignments
  - Equipment Assignments
  - Other Resources
- Burn Objectives**
- Description of Burn Area**
  - Review Map of Burn / Topographical Features / Acreage
  - Values at Risk
  - Problem Areas (Both inside and outside of burn units and MMA)
  - Roads & Access
  - Water Sources / Helispots / Staging Areas / etc.
  - Natural and man-made barriers
- Expected Weather & Fire Behavior**
  - Prescription parameters / Environmental parameters
  - Wind direction and speed
  - Relative humidity (maximums and minimums)
  - Temperature (maximums and minimums)
  - Fuel moisture
  - Atmospheric stability / Smoke dispersion
  - Predicted changes
- Communications**
  - Procedures
  - Frequencies / channels / cellular phones
  - Ignition Crew
  - Holding Resources
  - Dispatch
  - Aircraft
  - Cooperators / Others
- Firing Sequence**
  - Test burn
  - Ignition equipment (Type, number, etc.)
  - Pattern & Sequence of Firing (Map)
- Escaped Prescribed Fire Plan**
  - Slop-over vs. Escape (Trigger points)
  - Personnel assignments
  - Strategy
  - Tactics
- Safety**
  - Inspect PPE
  - LCES
  - Hazards (Footing, natural, man-made, smoke [visibility], etc.)
  - Potential problems
  - Review project specific medivac plan
  - Review Aviation Safety Plan if applicable

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<b>PRESCRIBED FIRE GO - NO - GO CHECKLIST</b>	<b>BURN UNIT(s):</b>	Georges Gulch Poles
	<b>DATE BURNED:</b>	2/20/06

<b>CHECKLIST ITEMS (EACH ITEM MUST BE CHECKED EITHER YES OR NO)</b>	<b>YES</b>	<b>NO</b>
<b>A.</b> Has the burn area experienced unusual drought conditions, changes in fuel conditions, or other changes that were not considered in the prescription development? If <b>NO</b> go to item 1, if <b>YES</b> go to item B.		✓
<b>B.</b> Have the appropriate changes been made to the affected portions of the burn plan, and been approved in the Documented Changes to Approved Burn Plan form? If <b>YES</b> got to item 1, if <b>NO</b> stop.	✓	
1. Are <u>ALL</u> fire prescription parameters met?	✓	
2. Are <u>ALL</u> smoke management prescription parameters met, and/or has smoke management clearance been given for the project?	✓	
3. Has a spot weather forecast been obtained? Have all weather prescriptions parameters been met?	✓	
4. Are <u>ALL</u> personnel required in the Prescribed Fire Plan on site?	✓	
5. Is <u>ALL</u> equipment required in the Prescribed Fire Plan in place and operational?	✓	
6. Have <u>ALL</u> personnel been briefed on the project objectives and their assignments?	✓	
7. Has <u>ALL</u> pre-burn preparation work been completed?	✓	
8. Have <u>ALL</u> personnel been briefed on the safety hazards, communication plan, escape routes and safety zones?	✓	
9. Have <u>ALL</u> the required notifications been made?	✓	
10. Are the on-site resources adequate for containment under the expected conditions?	✓	
11. In your opinion, can the burn be carried out according to plan and will it meet the planned objectives?	✓	
12. Are there adequate initial attack resources available within the local or sub-geographic area?	✓	

**IF ALL THE QUESTIONS ABOVE HAVE BEEN ANSWERED "YES", YOU MAY PROCEED WITH INITIATION (LIGHTING) OF THE PROJECT!**

**IF ANY OF THE QUESTIONS ABOVE HAVE BEEN ANSWERED "NO", YOU WILL NOT INITIATE ANY ACTION UNTIL THE APPROPRIATE CORRECTIVE ACTIONS HAVE BEEN TAKEN OR UNTIL CONDITIONS ARE MORE FAVORABLE!**

The following prescribed fire personnel have verified that the "GO-NO-GO" CHECKLIST **HAS BEEN MET!**

Boyd Stedda	Burn Boss	Date: 2/20/06	Time (24Hr): 1600
	Ignition Specialist	Date:	Time (24Hr):
	Holding Specialist	Date:	Time (24Hr):
		Date:	Time (24Hr):
		Date:	Time (24Hr):

TEST FIRE DOCUMENTATION	BURN UNIT (s):	Georges Gulch Piles		
	DATE OF BURN:	2/20/06		
PLANNED LOCATION OF TEST FIRE				
Waypoint 030 on Hwy in western most group at end of road - no piles beyond it.				
BURN DAY DOCUMENTATION				
WEATHER CONDITIONS ON SITE		RESULTS OF TEST FIRE		
~ 20°F ~ 40% Rh Winds 3-5 west Gusting to 10		As expected.		
Does the test fire meet prescription parameters?	YES	<input checked="" type="checkbox"/>	NO	
COMMENTS				
SIGNED:	<i>Boyd Libeda</i>	BURN BOSS		DATE: 2/22/06
CSFS #170 (Rev. 10/2005) - DRAFT				

<b>PRESCRIBED FIRE REPORT*</b>	<b>PROJECT NAME:</b>	Georges Gulch Piles	<b>PREPARED BY:</b>	Byrd Lebeda
	<b>BURN UNIT(S):</b>		<b>DATE BURNED:</b>	7/20/06

PERSONNEL ASSIGNED	OPERATION POSITION	EQUIPMENT ASSIGNED
Lebeda	RABZ	Type 6x
Hughes	FIRB	
White	FFT2	
McWilliams	"	
Dawling	"	
Gallup	Observer	

**WEATHER CONDITIONS - Blacklining**

UNIT NAME OR NUMBER	Temperature	Relative Humidity	Mid-Flame Wind Speed	Wind Direction	Cloud Cover	Haines	Other

**WEATHER CONDITIONS - Burning**

UNIT NAME OR NUMBER	Temperature	Relative Humidity	Mid-Flame Wind Speed	Wind Direction	Cloud Cover	Haines	Other
	28°	28%	5-9G14	NW	clear	✓	

**OBJECTIVE ACHIEVEMENTS**

95% or better on all piles. Some dozer berms to mop up. There were actually 16 piles from 108 Acres of treatment

**RECOMMENDATIONS FOR FUTURE BURNING**

- ① Snow drifting affected our access to site on 24 hr check need a backup plan (ie ATVs, hike-in, snowmobiles etc)
- ② Dozer berms in piles held heat for several days

<b>TOTAL ACRES BURNED:</b>	108 Acres of treatment
<b>CERTIFIED BY:</b>	Byrd Lebeda

\*The Prescribed Fire Report and Actual Project Costs forms must be completed and submitted to the Prescribed Fire and Fuels Manager within 30 days of burn.

Documented Changes to Approved Burn Plan			
<b>Burn Unit(s):</b>		<b>Date:</b>	
<b>Action:</b>			
<b>Reason:</b>			
<b>Burn Boss' Comments and Date:</b>			
<b>Fire Division Comments and Date:</b>			
Reviewed and Approved by:			
<b>Name:</b>		<b>Title:</b>	<b>Date:</b>
		District Forester	
		Prescribed Fire and Fuels Manager	

Documented Changes to Approved Burn Plan			
<b>Burn Unit(s):</b>		<b>Date:</b>	
<b>Action:</b>			
<b>Reason:</b>			
<b>Burn Boss' Comments and Date:</b>			
<b>Fire Division Comments and Date:</b>			
Reviewed and Approved by:			
<b>Name:</b>		<b>Title:</b>	<b>Date:</b>
		District Forester	
		Prescribed Fire and Fuels Manager	

**Spot Forecast for Georges Gulch State Land Piles Burn**  
National Weather Service NWFO Denver/Boulder  
750 AM MST Mon Feb 20 2006

IF CONDITIONS BECOME UNREPRESENTATIVE,  
CONTACT THE NATIONAL WEATHER SERVICE.

SPOT FORECAST FOR GEORGES GULCH STATE LAND PILES...USFS  
NATIONAL WEATHER SERVICE DENVER CO  
750 AM MST MON FEB 20 2006

IF CONDITIONS BECOME UNREPRESENTATIVE...CONTACT THE NATIONAL WEATHER  
SERVICE.

.DISCUSSION...ARCTIC AIR BLANKETING THE PLAINS OF EASTERN COLORADO  
WILL RETREAT FROM THE FRONT RANGE TODAY WITH THE DEVELOPMENT OF  
RELATIVELY WARM DOWNSLOPE FLOW. A WEAK UPPER LEVEL WEATHER IMPULSE  
OVER THE NORTHERN MOUNTAINS EARLY THIS MORNING WILL EXIT THE STATE  
THIS AFTERNOON. GUSTY WEST WINDS ARE EXPECTED TO DEVELOP SOON AFTER  
PASSAGE OF THIS WEATHER IMPULSE AS THE ATMOSPHERE BECOMES  
INCREASINGLY STABLE. WIND GUSTS MAY APPROACH 30 MPH THIS AFTERNOON  
AND UPWARDS OF 40 MPH OVERNIGHT.

...THUNDERSTORMS IMPLY STRONG...GUSTY AND ERRATIC WINDS...

.TODAY...

SKY/WEATHER.....MOSTLY SUNNY.  
MAX TEMPERATURE.....32-37.  
MIN HUMIDITY.....23-28%.  
20-FOOT WINDS.....WEST 10-15 MPH...BECOMING WEST-NORTHWEST 15-25  
MPH WITH GUSTS TO 35 MPH AFTER 1300.  
TRANSPORT WINDS.....WEST 30-35 MPH.  
MIXING HEIGHT.....RISING TO AROUND 8200 FT AGL BY 1430.  
SMOKE DISPERSAL.....GOOD UNTIL 0930 THEN EXCELLENT AFTER 1230.  
HAINES INDEX.....2 OR VERY LOW POTENTIAL FOR LARGE PLUME  
DOMINATED FIRE GROWTH.

.TONIGHT...

SKY/WEATHER.....PARTLY CLOUDY (30-40%) UNTIL 2300...THEN  
MOSTLY CLEAR. WINDY.  
MIN TEMPERATURE.....13-19.  
MAX HUMIDITY.....32-41%.  
20-FOOT WINDS.....WEST 15-22 MPH WITH POSSIBLE GUSTS TO 40 MPH.  
TRANSPORT WINDS.....NORTHWEST AROUND 40 MPH.  
MIXING HEIGHT.....4200 FT AGL LOWERING TO 1100 FT AGL AFTER 2300.  
SMOKE DISPERSAL.....VERY GOOD UNTIL 2200...THEN GOOD.  
HAINES INDEX.....2 OR VERY LOW POTENTIAL FOR LARGE PLUME  
DOMINATED FIRE GROWTH.

.TUESDAY...

SKY/WEATHER.....MOSTLY SUNNY UNTIL 1000...THEN PARTLY CLOUDY  
(35-50%). WINDY.  
MAX TEMPERATURE.....31-36.  
MIN HUMIDITY.....24-31%.  
20-FOOT WINDS.....WEST 15-25 MPH WITH GUSTS TO AROUND 40 MPH.  
TRANSPORT WINDS.....WEST-NORTHWEST AROUND 45 MPH.  
MIXING HEIGHT.....1600 FT AGL RISING TO AROUND 5400 FT AGL BY 1300.  
SMOKE DISPERSAL.....GOOD UNTIL 0830 BECOMING EXCELLENT BY 1100.  
HAINES INDEX.....2 OR VERY LOW POTENTIAL FOR LARGE PLUME

DOMINATED FIRE GROWTH.

.FORECAST DAYS 3 THROUGH 5...

.WEDNESDAY...PARTLY CLOUDY. LOWS AROUND 13. HIGHS IN THE LOWER TO MID 30S. WEST WINDS AROUND 20 MPH WITH GUSTS TO AROUND 35 MPH.

.THURSDAY...PARTLY CLOUDY. LOWS AROUND 16 HIGHS IN THE MID 30S. WEST WINDS AROUND 14 MPH.

.FRIDAY...PARTLY CLOUDY. LOWS AROUND 11. HIGHS IN THE UPPER 20S. WEST WINDS AROUND 18 MPH WITH GUSTS TO AROUND 35 MPH.



**Your National Weather Service forecast**

## Virginia Dale, CO

Enter Your "City, ST" or zip code



NWS Denver-Boulder, CO

**Point Forecast:** Virginia Dale, CO  
40.94N -105.43W (Elev. 7396 ft)

Last Update: 4:00 am MST February 20, 2006

### Forecast at a Glance

Presidents' Day	Tonight	Tuesday	Tuesday Night	Wednesday	Wednesday Night	Thursday	Thursday Night	Friday
								
20% Slight Chc Snow Hi 30°F	Breezy Lo 17°F	Windy Hi 30°F	Breezy Lo 11°F	Breezy Hi 33°F	Breezy Lo 8°F	Mostly Sunny Hi 35°F	Mostly Clear Lo 10°F	Blustery Hi 30°F

### Detailed 7-day Forecast

Hazardous weather condition(s):

#### Hazardous Weather Outlook Short Term Forecast

**Presidents' Day:** A 20 percent chance of snow showers before 11am. Partly cloudy, with a high near 30. Wind chill values between zero and 10. Breezy, with a west wind between 21 and 26 mph, with gusts as high as 44 mph.

**Tonight:** Mostly clear, with a low around 17. Wind chill values between zero and 10. Breezy, with a west wind between 22 and 24 mph, with gusts as high as 40 mph.

**Tuesday:** Mostly sunny, with a high around 30. Wind chill values between zero and 10. Windy, with a west wind between 24 and 32 mph, with gusts as high as 48 mph.

**Tuesday Night:** Partly cloudy, with a low near 11. Wind chill values between -8 and 2. Breezy, with a west wind around 26 mph, with gusts as high as 38 mph.

**Wednesday:** Mostly sunny, with a high around 33. Breezy, with a west wind between 22 and 25 mph, with gusts as high as 37 mph.

**Wednesday Night:** Mostly clear and breezy, with a low around 8.

**Thursday:** Mostly sunny, with a high near 35.

**Thursday Night:** Mostly clear, with a low around 10.

**Friday:** Partly cloudy and blustery, with a high near 30.

**Friday Night:** Partly cloudy, with a low near 9.

**Saturday:** Partly cloudy, with a high around 32.

**Saturday Night:** Mostly clear, with a low around 10.

### Current Conditions

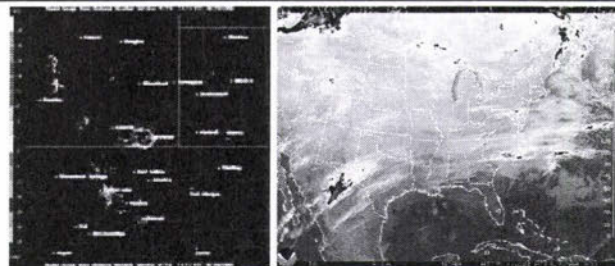
[Move Down]

**Laramie/Gen. Brees**

Last Update on Feb 20, 6:53 am MST

<b>Fair</b>	<b>Humidity:</b> 60 %
<b>7°F</b>	<b>Wind Speed:</b> SW 10 MPH
<b>(-14°C)</b>	<b>Barometer:</b> 29.89" (1019.7 mb)
	<b>Dewpoint:</b> -4°F (-20°C)
	<b>Wind Chill:</b> -8°F (-22°C)
	<b>Visibility:</b> 10.00 mi.
	<b>More Local Wx:</b> 3 Day History:

### Radar and Satellite Images

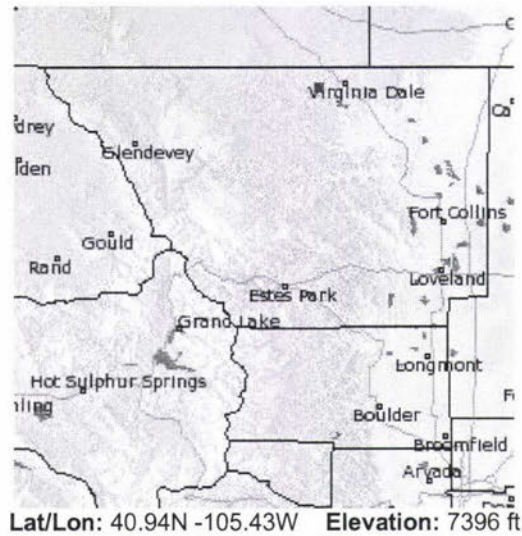


### Detailed Point Forecast

[Move Up]

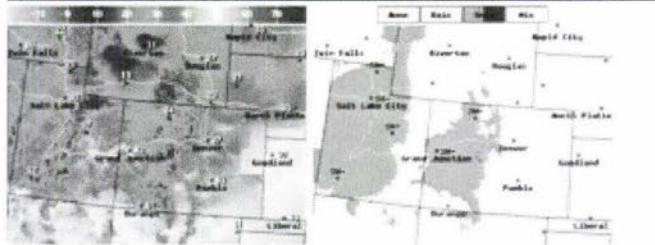
Click Map for Forecast

**Sunday:** Mostly sunny, with a high near 39.



Lat/Lon: 40.94N -105.43W Elevation: 7396 ft

**National Digital Forecast Database**



**Additional Forecasts & Information**

Zone Area Forecast for Larimer and Boulder Counties  
Between 6000 and 9000 Feet, CO

- Printable Forecast
- Text Forecast (°C)
- Hourly Weather Graph
- Hazardous Weather
- Regional Weather Conditions
- Colorado Hourly RAWS Observations
- Graphical Forecast Page
- US NWS & RAWS Observation & Summaries
- RAWS Observations
- Text Only Forecast
- About Point Forecasts
- Tabular Forecast
- Denver Forecast Discussion
- Denver Climate Weather Information
- Road Conditions
- Detailed Point Forecast
- Fire Weather Information
- Past Climate Weather Information

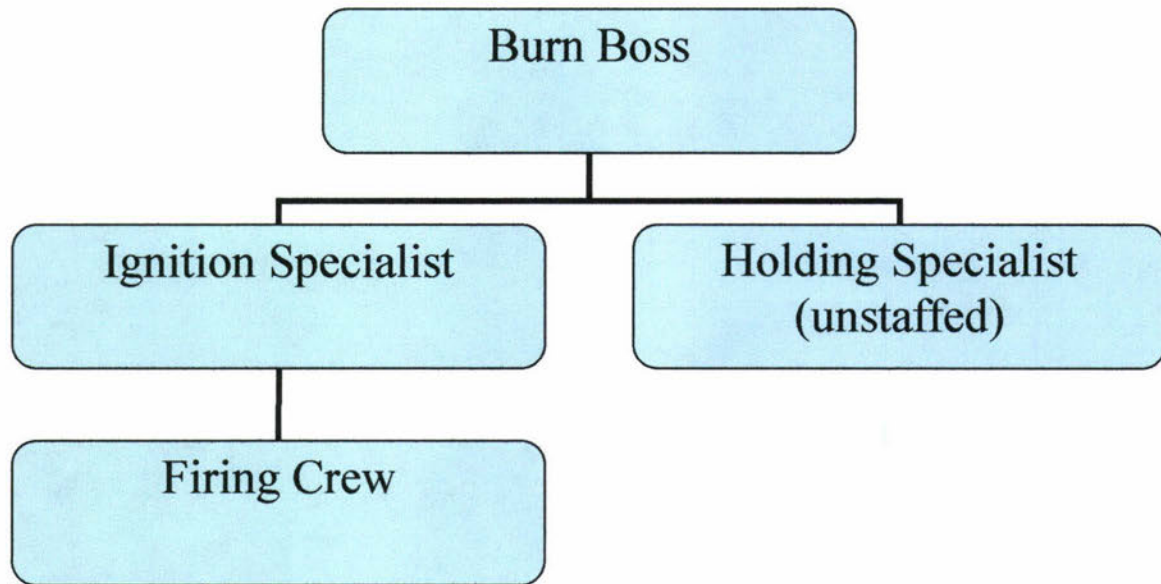
National Weather Service:  
Denver-Boulder, CO

[Back to previous page](#)

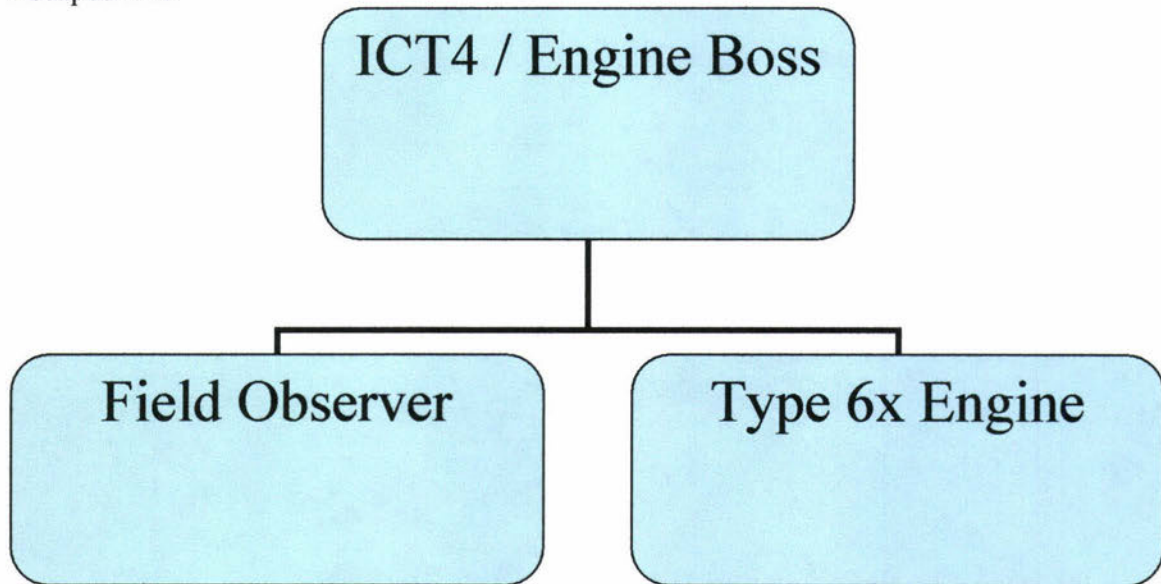
[www.crh.noaa.gov](http://www.crh.noaa.gov)  
[Privacy Policy](#)  
[Disclaimer](#)

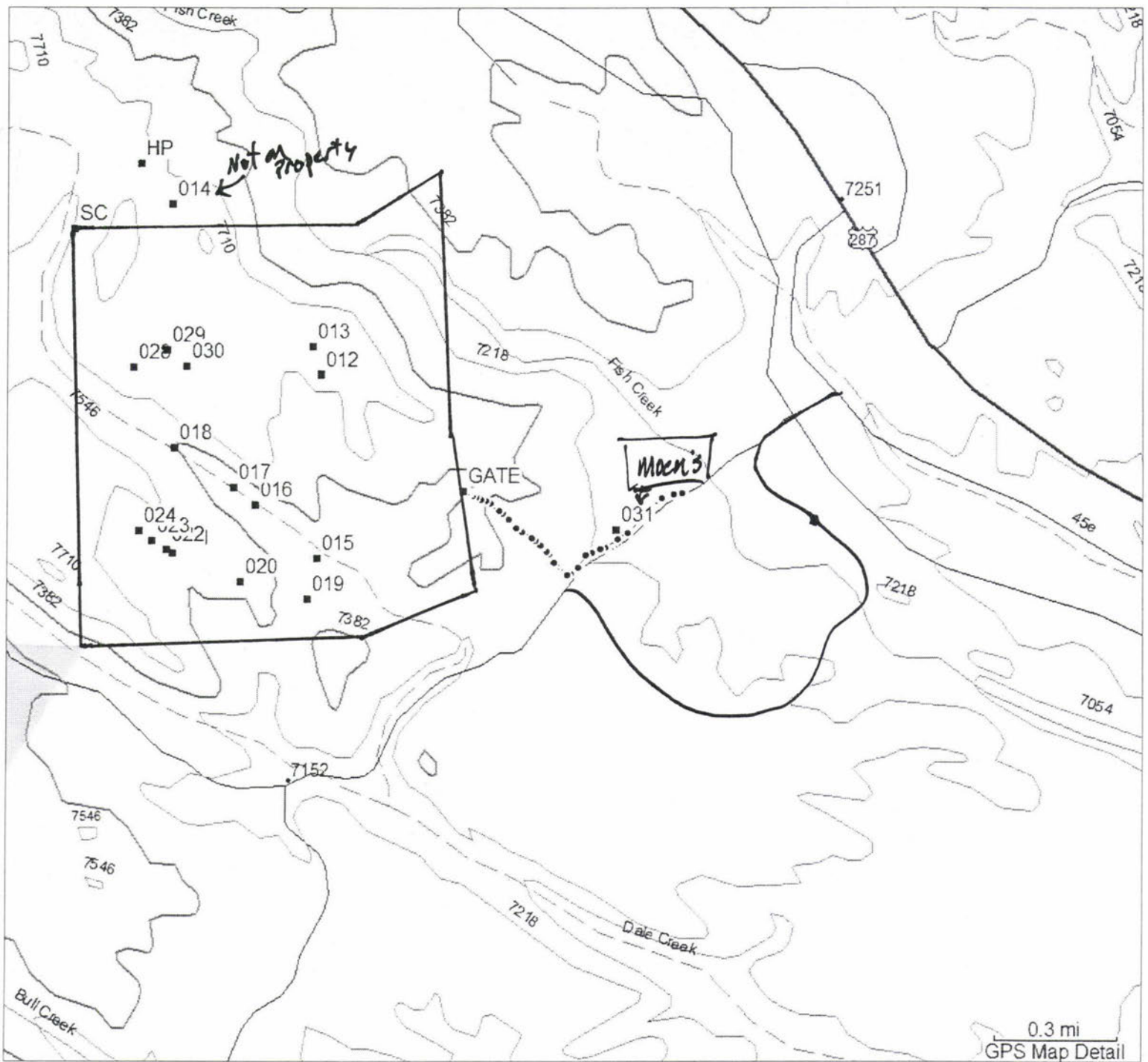
Locations within 5 miles of this point include...Virginia Dale CO

Prescribed Fire



Escaped Fire





Georges Gulch Fire Burn 2/20/06

T12N, R72W. Sec 36

$40^{\circ} 57.794'$

$105^{\circ} 24.712'$

Georges Gulch Pile Barn  
T12N R72W Sec 36



# Form SMP-A

## OPEN BURNING PERMIT APPLICATION PRESCRIBED FIRE PROJECTS

**BURN NAME:** Georges Gulch Piles **COUNTY:** Larimer

**RENEWAL?** No **LOCATION:** T12N, R72W, Sec. 36  
*Indicate Old Permit Number* *T, R, S or Lat/Long*

**ADMINISTRATIVE UNIT ID:** COS  
*See Info Sheet I for a list of IDs. Include all IDs for multiple agency burns. Private landowner use PVT.*

**CONTACT PERSON:** Boyd Lebeda **PHONE:** 970.491.8445

*Complete Address, Email Address, Fax and Cell Phone fields **ONLY** if this is your first submittal or info has changed.*

**ADDRESS:** 5075 Campus Deliver, CSU, Fort Collins, CO 80523-5075 **CELL:** 970.222.8693

**EMAIL ADDRESS:** blebeda@lamar.colostate.edu **FAX:** 970.491.8645

**BILLING INFORMATION:** *If multiple agencies to be billed, please indicate the percentage for each. Otherwise, the administrative unit listed above will be billed 100%.*

Agency	Percentage	Agency	Percentage

**LANDOWNER:** SLB  YES  
*Complete **ONLY** if different than Agency to be billed* Does this Landowner/Agency own or manage ≥10,000 acres in Colorado?  NO

**MANAGEMENT USE/TYPE OF PROJECT:**  
*Check appropriate use/uses*

NATURAL FUEL REDUCTION	<input type="checkbox"/>	SPECIES CONVERSION	<input type="checkbox"/>	SITE PREP	<input type="checkbox"/>
ACTIVITY FUEL REDUCTION	<input checked="" type="checkbox"/>	RANGE IMPROVEMENT	<input type="checkbox"/>	WILDLIFE	<input type="checkbox"/>
HAZARDOUS FUEL REDUCTION	<input type="checkbox"/>	PEST CONTROL	<input type="checkbox"/>	OTHER	<input type="checkbox"/>

**REQUESTED WIND DIRECTIONS:** any *e.g.: any, N-E-SW, all but NW... Precise to 2 letters.*

**REQUESTED SPECIAL CONDITIONS, if any:** \_\_\_\_\_

SMOKE SENSITIVE AREAS	MILES FROM BURN	DIRECTION FROM BURN (compass direction or degrees)	MAIN CONCERN(S) Day=D, Night=N, Both=B
US Highway 287	2	NE	D
Co Rd 46E	1.5	E	D
Tie Siding, WY	10	N	D

**Permit Number:** FCS — 05 — 325

**Form SMP-A, cont.  
OPEN BURNING PERMIT APPLICATION  
PRESCRIBED FIRE PROJECTS**

**for BROADCAST BURNS only:**

PROPOSED BURN DATES: \_\_\_\_\_  
*Month or season is sufficient, but dates must be in the same calendar year*

MAX. TOTAL ACREAGE: \_\_\_\_\_ AND MAX. DAILY ACREAGE: \_\_\_\_\_

PREDOMINANT NFDRS FUEL MODEL: \_\_\_\_\_ BRIEF DESCRIPTION OF FUELS: \_\_\_\_\_  
*Models A-U (See Info Sheet II for brief description.)*

IGNITION METHOD(S): HAND ONLY \_\_\_\_\_ AERIAL ONLY \_\_\_\_\_ BOTH \_\_\_\_\_

SMOKE RISK RATING: *Attach Colorado Smoke Risk Rating Worksheet, Form SMP-B  
For Categories III and IV, also attach map of expected lofted and drainage smoke flow.*

Category I \_\_\_\_\_ Category II \_\_\_\_\_ Category III \_\_\_\_\_ Category IV \_\_\_\_\_

FUEL MOISTURE PRESCRIPTIVE ELEMENT:  
*This section to be completed for projects with Category III or IV Smoke Risk Rating.*

	Measurement Method <i>Indicate method to be used.</i>	Minimum Fuel Moisture (%)
3-8" diameter logs (1000-hr fuels)	Sampled	
	Calculated	

**for PILE BURNS only:**

YEAR REQUESTING PERMIT FOR: 2005  
*Permits for pile burns will be valid from January 1 to December 31. Permits issued after January 1 will be effective on issue date. Submittal of Form SMP-B and modeling output with the application packet are no longer required. APCD may request modeling for specific projects.*

TOTAL NUMBER OF PILES: 12 AVERAGE VOLUME PER PILE (FT<sup>3</sup>): 1350

DAILY NUMBER OF PILES: 12 15x15x6

1000-hr+ FUEL AS % OF VOLUME: 30 *Can round to the nearest 10%, % of logs >3" in diameter.*

HAND PILES: \_\_\_\_\_ OR MACHINE PILES: X *Built entirely or partly by machine.*

DISTANCE TO NEAREST OCCUPIED RESIDENCE: 1.1 *Provide whole miles if distance ≥2, tenths if less.*

Applicant Signature: /s/ Boyd O. Lebeda Date: October 31, 2005

**Summary Conditions:**  
 Maximum Smoke Dispersion see standard conditions for weather Minimum Smoke Dispersion Fair  
 Minimum Wind Direction Any Maximum Wind Direction Any (Clockwise)

Approved by [Signature] Date: 31 Oct 05 Permit Number: FCS-05.325

Form SMP-A  
Colorado Air Pollution Control Division  
*End ignition no later than 3 hrs before sunset  
Complete 15' chunking no later than 2 hrs before sunset.*

**Form SMP-C**  
**EVALUATION OF NON-BURNING FUEL TREATMENTS AND**  
**SMOKE MITIGATION TECHNIQUES USED**

Burn name: Georges Gulch

**Non-Burning Fuel Treatments Utilized:**

Check all that apply

**Burn is part of a project that includes non-burning fuel treatments. Alternative fuel treatments utilized:**

- |   |   |
|---|---|
| <input type="checkbox"/> Grazing  | <input type="checkbox"/> Invasive/Exotic Species Management |
| <input type="checkbox"/> Other Biological Control except grazing (green stripping, methods to increase decomposition) |   |
| <input checked="" type="checkbox"/> Timber Sale   | <input type="checkbox"/> Mechanical Treatment               |
| <input type="checkbox"/> Firewood Sales   | <input type="checkbox"/> Other _____                        |

**Non-burning fuel treatments were considered and are not available to meet resource objectives because:**

- |  |   |
|--|---|
| <input type="checkbox"/> Legislative/management restrictions     | <input type="checkbox"/> Safety Concerns          |
| <input checked="" type="checkbox"/> Fuel has no commercial value | <input type="checkbox"/> Access/physical barriers |
| <input checked="" type="checkbox"/> Not Economically Reasonably  | <input type="checkbox"/> Other _____              |

**Smoke and/or Emissions Minimization Techniques Planned:**

Check all that apply

- |   |  |
|---|--|
| <input type="checkbox"/> Burn before greenup  | <input type="checkbox"/> Burn before large fuels cure (activity fuel only) |
| <input type="checkbox"/> Reduce target area   | <input type="checkbox"/> Construct fire lines to halt fire spread          |
| <input type="checkbox"/> Rapid Mop-Up   | <input type="checkbox"/> Meteorological scheduling to reduce smoke impacts |
| <input checked="" type="checkbox"/> Burn fuels in piles or windrows   |  |
| <input checked="" type="checkbox"/> Piles dry, free of dirt, and small enough to manage smoke impacts         |  |
| <input type="checkbox"/> High fuel moisture content in large woody fuels minimizes consumption of large fuels |  |
| <input type="checkbox"/> Moist litter/duff layer minimizes consumption of litter/duff                         |  |

**Smoke and/or Emissions Minimization Techniques Planned:**

*Continued*

\_\_\_\_\_ Firing technique used to maximize smoke dispersal and minimize pollutants

\_\_\_\_\_ Hose lays & pumps to wet fuels and extinguish all or a portion of fire front

\_\_\_\_\_ Other \_\_\_\_\_

**Smoke Contingency Plan:**

*This section must answer two questions:*

- 1) *What actions will be taken in order to minimize the likelihood of unacceptable smoke impacts?*
- 2) *If unacceptable smoke impacts occur at smoke sensitive receptors anyway, what mitigation measures will be taken?*  
*(Smoke Contingency Plan may be attached as a separate document.)*

1. Monitor smoke production and dispersal of test burn
  2. Igniting piles in small groups
  3. Each group of piles will be monitored
  4. Piles are 5 plus years old
  5. We have already made contact with nearest resident (Forest Moen) about the project
  6. Individual piles may be extinguished and mopped up if directed by the burn boss
- 
- 
- 
- 
- 
- 
- 
- 
- 
-

**ATTACHMENT A: PROJECT BUDGET ESTIMATES**

Georges Gulch Piles

**A. Equipment Expenses**

Equipment Type	Number	Units (hours/days)	Total Units	Unit Cost	Total Cost
<b>1. Preparation</b>					
4x4 CSFS Truck	1	1	1	25.00	25.00
				<b>Total Cost :</b>	<b>25.00</b>
<b>2. Burning</b>					
4x4 CSFS Pickup	1	1	1	25.00	25.00
Drip Torches	4	1	1	47.00	47.00
Chainsaw	1	1	1	25.00	25.00
				<b>Total Cost:</b>	<b>97.00</b>
<b>3. Holding</b>					
Type VI Engine	1	6	6	34.00	204.00
				<b>Total Cost:</b>	<b>204.00</b>
<b>4. Mop-Up</b>					
				<b>Total Cost:</b>	<b>0.00</b>
<b>ALL EQUIPMENT</b>				<b>TOTAL COSTS:</b>	<b>326.00</b>

**B. Personnel Expenses**

Personnel Type or Name	Number	Hours	Total Hours	Unit Cost	Total Cost
<b>1. Preparation</b>					
CSFS Personnel - plan prep	1	4	4	30.00	120.00
CSFS Personnel - field work	1	4	4	30.00	120.00
				<b>Total Cost :</b>	<b>240.00</b>
<b>2. Burning</b>					
Burning Personnel	2	6	12	30.00	360.00
Burn Boss	1	6	6	30.00	180.00
Holding Specialist	0	0	0	30.00	0.00
Ignition Specialist	1	6	6	30.00	180.00
				<b>Total Cost:</b>	<b>720.00</b>
<b>3. Holding</b>					

Engine Personnel	0	1	1	30.00	30.00
Other Holding Personnel	0	1	1	30.00	30.00
				<b>Total Cost:</b>	<b>60.00</b>
<b>4. Mop-Up</b>					
Engine Personnel	0	1	0	30.00	0.00
Other Mop-up Personnel	0	1	1	30.00	30.00
				<b>Total Cost:</b>	<b>30.00</b>
<b>ALL PERSONNEL</b>				<b>TOTAL COSTS:</b>	<b>1,050.00</b>

### C. Other Expenses

Item	Number	Unit	Total Units	Unit Cost	Total Cost
Burn Mix	1	20	20	2.91	58.20
Fusees	1	0.25	0.25	75.00	18.75
Office & copying supplies	1	1	1	20.00	20.00
Smoke Permit Fees	1	1	1	250.00	250.00
<b>ALL OTHER EXPENSES</b>				<b>TOTAL COSTS:</b>	<b>346.95</b>

### D. Total Project Expenses

Caegory	Cost
Equipment	326.00
Personnel	1,050.00
Other	346.95
<b>TOTAL EXPENSES</b>	<b>TOTAL COSTS: 1,722.95</b>

### F. Funding Sources:

1. Contract/Agreement(s)	Amount
Contract #1: 999870-0641	400.00
Contract #2:	
	<b>TOTAL: 400.00</b>
<b>2. CSFS Expenses:</b>	
Account #1:	
Account #2:	
<b>3. Net Project Expenses:</b>	<b>-1,322.95</b>

A.1

? What is preparation?

Plan development and field work

Prep and monitoring

Blacklining

A.4

What is Mop-Up

**ATTACHMENT B: PROJECT BUDGET ACTUAL**

**A. Equipment Expenses**

<b>Equipment Type</b>	<b>Number</b>	<b>Units (hours/days)</b>	<b>Total Units</b>	<b>Unit Cost</b>	<b>Total Cost</b>
<b>1. Preparation</b>					
4x4 CSFS Truck	1	1	1	25.00	25.00
Type VI Engine	0	0	0	34.00	0.00
ATV	0	0	0	47.00	0.00
Chainsaws	0	0	0	25.00	0.00
				<b>Total Cost :</b>	<b>25.00</b>
<b>2. Burning</b>					
4x4 CSFS Pickup	1	1	1	25.00	25.00
ATV	0	0	0	34.00	0.00
Drip Torches	2	1	2	0.00	0.00
Chainsaw	1	1	1	25.00	25.00
				<b>Total Cost:</b>	<b>50.00</b>
<b>3. Holding</b>					
Type VI Engine	1	7	7	34.00	238.00
Type III Engine	0	0	0	56.00	0.00
Mark III Pump	0	0	0	50.00	0.00
				<b>Total Cost:</b>	<b>238.00</b>
<b>4. Mop-Up</b>					
Type VI Engine	0	0	0	34.00	0.00
4X4 CSFS Pickup	1	4	4	25.00	100.00
				<b>Total Cost:</b>	<b>100.00</b>
<b>ALL EQUIPMENT</b>				<b>TOTAL COSTS:</b>	<b>513.00</b>

**B. Personnel Expenses**

<b>Personnel Type or Name</b>	<b>Number</b>	<b>Hours</b>	<b>Total Hours</b>	<b>Unit Cost</b>	<b>Total Cost</b>
<b>1. Preparation</b>					
CSFS Personnel - plan prep	1	4	4	30.00	120.00
CSFS Personnel - field work	1	6	6	30.00	180.00
CSFS Personnel - prep	0	0	0	30.00	0.00
CSFS Personnel - blacklining	0	0	0	30.00	0.00
				<b>Total Cost :</b>	<b>300.00</b>
<b>2. Burning</b>					
Burning Personnel	2	7	14	30.00	420.00
Burn Boss	1	7	7	30.00	210.00
Holding Specialist	0	1	0	30.00	0.00
Ignition Specialist	1	7	7	30.00	210.00
				<b>Total Cost:</b>	<b>840.00</b>
<b>3. Holding</b>					
Engine Personnel	0	0	0	30.00	0.00

Other Holding Personnel	0	0	0	30.00	0.00
				<b>Total Cost:</b>	<b>0.00</b>
<b>4. Mop-Up</b>					
Patrol and Mop on 2/21,23,27 and 3/2	1	55	55	30.00	1,650.00
Other Mop-up Personnel	0	0	0	30.00	0.00
				<b>Total Cost:</b>	<b>1,650.00</b>
<b>ALL PERSONNEL</b>				<b>TOTAL COSTS:</b>	<b>2,790.00</b>

**C. Other Expenses**

Item	Number	Unit	Total Units	Unit Cost	Total Cost
Burn Mix	25	1	25	2.91	72.75
Fusees	1	0.25	0.25	75.00	18.75
Office & copying supplies	1	1	1	20.00	20.00
Smoke Permit Fees	1	1	1	0.00	0.00
<b>ALL OTHER EXPENSES</b>				<b>TOTAL COSTS:</b>	<b>111.50</b>

**D. Total Project Expenses**

Caegory	Cost
Equipment	513.00
Personnel	2,790.00
Other	111.50
<b>TOTAL EXPENSES</b>	<b>TOTAL COSTS: 3,414.50</b>

**F. Funding Sources:**

1. Contract/Agreement(s)	Amount
Performance Bond from Sale	400.00
	0.00
	<b>TOTAL: 400.00</b>
<b>2. CSFS Expenses:</b>	
Account #1:	0.00
Account #2:	0.00
<b>3. Net Project Expenses:</b>	<b>-3,014.50</b>

Area	Plot	BAF	Stand	Date
Aspect N	Slope 45	DMR	Regen	ID

Plot Location \_\_\_\_\_

Stand Description \_\_\_\_\_

Tree# \_\_\_\_\_ SP \_\_\_\_\_ DBH \_\_\_\_\_ Age (+10): \_\_\_\_\_ Last 10: \_\_\_\_\_ Best 10: \_\_\_\_\_

#	SP	DBH	Ht	Comments	Fixed Plot Tally?
1	DF	7.9	41		Regen:
2	DF	7.7	35	0	5 DF
3	DF	4.6	22	Dead	
4	DF	8.0	38		Saps:
5	AP	20.6	52		
6	DF	7.4	25		
7	DF	13.0	55		Shrubs:
8	DF	7.0	38		JAM JWB
					Grasses:

Photo #	Description

Area	Plot	BAF	Stand	Date
Aspect <u>NE</u>	Slope <u>55</u>	DMR	Regen	ID

Plot Location \_\_\_\_\_

Stand Description DMT Near by  
Lots of blow down

Tree# \_\_\_\_\_ SP \_\_\_\_\_ DBH \_\_\_\_\_ Age (+10): \_\_\_\_\_ Last 10: \_\_\_\_\_ Best 10: \_\_\_\_\_

#	SP	DBH	Ht	Comments	Fixed Plot Tally?
1	DF	7.2	40		Regen:
2	"	8.0	43		DF-4
3	"	6.7	39		
4	"	6.6	39	Dead	Saps:
5	"	10.1	45		
					Shrubs:
					JAAM Jusc
					SYOR
					Grasses:

Photo #	Description

Area	Plot	BAF	Stand	Date
Aspect N	Slope 45	DMR	Regen	ID

Plot Location \_\_\_\_\_

Stand Description Good DF Regen

Tree# \_\_\_\_\_ SP \_\_\_\_\_ DBH \_\_\_\_\_ Age (+10): \_\_\_\_\_ Last 10: \_\_\_\_\_ Best 10: \_\_\_\_\_

#	SP	DBH	Ht	Comments	Fixed Plot Tally?
1	DF	4.3	30		Regen:
2	DF	11.0	35		
3	PP	17.8	54	Dead	
4	PP	12.2	47	"	Saps:
5	PP	14.5	48	"	DF-4
6	PP	12.5	48	"	
					Shrubs:
					Jusc RICE
					PATR JACO
					Grasses:

Photo #	Description

Area	Plot	BAF	Stand	Date
Aspect <i>N</i>	Slope <i>20</i>	DMR	Regen	ID

Plot Location \_\_\_\_\_

Stand Description *Past logging & pruning in area. Good DF Regen*

Tree# \_\_\_\_\_ SP \_\_\_\_\_ DBH \_\_\_\_\_ Age (+10): \_\_\_\_\_ Last 10: \_\_\_\_\_ Best 10: \_\_\_\_\_

#	SP	DBH	Ht	Comments	Fixed Plot Tally?
1	PP	12.9	30		Regen:
2	PP	15.2	33		
3	"	12.5	35		
4	"	11.2	35		Saps:
5	DF	14.3	42		DF-3
					Shrubs:
					<i>Juce Pndr</i>
					<i>RICE JUCO</i>
					Grasses:

Photo #	Description

Area	Plot	BAF	Stand	Date
Aspect <i>NE</i>	Slope <i>15</i>	DMR	Regen	ID

Plot Location \_\_\_\_\_

Stand Description *Some what open, small DBH ponds*

Tree# \_\_\_\_\_ SP \_\_\_\_\_ DBH \_\_\_\_\_ Age (+10): \_\_\_\_\_ Last 10: \_\_\_\_\_ Best 10: \_\_\_\_\_

#	SP	DBH	Ht	Comments	Fixed Plot Tally?
1	PP	9.1	38		Regen:
2	PP	8.9	35		
3	PP	9.8	37		
4	DF	7.4	28		Saps: <i>1-DF</i>
5	PP	7.0	31		
					Shrubs:
					<i>PATR RICE JUSC</i>
					Grasses:

Photo #	Description

Area	Plot	BAF	Stand	Date
Aspect <i>N</i>	Slope <i>20</i>	DMR	Regen	ID

Plot Location \_\_\_\_\_

Stand Description \_\_\_\_\_

Tree# \_\_\_\_\_ SP \_\_\_\_\_ DBH \_\_\_\_\_ Age (+10): \_\_\_\_\_ Last 10: \_\_\_\_\_ Best 10: \_\_\_\_\_

#	SP	DBH	Ht	Comments	Fixed Plot Tally?
1	DF	12.0	48		Regen:
2	DF	11.7	53		2-DF
3	DF	8.8	42		
4	DF	6.5	34		Saps:
5	DF	6.1	33		
					Shrubs:
					PUTR RICE (EMO)
					Grasses:

Photo #	Description

unit 1

Area	Plot 1	BAF	Stand	Date 12/16
Aspect E	Slope 5	DMR	Regen	ID

Plot Location \_\_\_\_\_

Stand Description Near draw

Tree# \_\_\_\_\_ SP \_\_\_\_\_ DBH \_\_\_\_\_ Age (+10): \_\_\_\_\_ Last 10: \_\_\_\_\_ Best 10: \_\_\_\_\_

#	SP	DBH	Ht	Comments	Fixed Plot Tally?
1	PP	11.1	45		Regen:
2	PP	6.8	20		1 pole
3	PP	10.3	45		
4	PP	11.4	51		Saps:
5	PP	15.4	67		
6	PP	12.0	72		
7	PP	16.1	67		Shrubs:
8	PP	9.5	40		RICE
					Grasses:
					CAGE

Photo #	Description

unit 2

Area	Plot 1	BAF	Stand	Date 11/26
Aspect S	Slope 15	DMR	Regen	ID

Plot Location SE corner

Stand Description Pondo, Dang, Juni  
Near a rocky point. Large old dead pondos on  
point MPB long gone

Tree#      SP      DBH      Age (+10):      Last 10:      Best 10:     

#	SP	DBH	Ht	Comments	Fixed Plot Tally?
1	DF	25.2	55		Regen:
2	PP	10.7	21	slightly overtopped	
3	PP	15.3	45		
					Saps:
					Shrubs:
					DWRZ, RICE
					(EMO)
					Grasses:
					CAGE

Photo #	Description

Area	Plot <u>2</u>	BAF	Stand	Date <u>11/26</u>
Aspect <u>W</u>	Slope <u>20</u>	DMR	Regen	ID

Plot Location \_\_\_\_\_

Stand Description Pondo Dong

Tree# 3 SP PP DBH 14 Age (+10): 153 Last 10: 7/20 Best 10: 16

#	SP	DBH	Ht	Comments	Fixed Plot Tally?
1	PP	9.1	32		Regen:
2	PP	15.0	42		
3	PP	14.0	35		
					Saps:
					Shrubs: <u>PUTR CEMO</u>
					<u>RICE</u>
					Grasses: <u>Blue bunch</u>
					<u>spike</u>

Photo #	Description

Area	Plot 3	BAF	Stand	Date 11/26
Aspect NE	Slope 15	DMR	Regen	ID

Plot Location Edge of forest stand W of creek

Stand Description Dung Pond 0. Evidence of prev logging  
old than plan Wind throw in area  
Standing dead MPR not holding

Tree#      SP      DBH      Age (+10):      Last 10:      Best 10:     

#	SP	DBH	Ht	Comments	Fixed Plot Tally?
1	PP	13.7	52		Regen:
2	PP	18.7	65		
					Saps: 1 PP 1 DF
					Shrubs: <del>PUTR</del> RICE
					Grasses: BB

Photo #	Description

Area	Plot 4	BAF	Stand	Date 11/26
Aspect SW	Slope 25	DMR	Regen	ID

Plot Location Young DF & PP saps in area that  
show signs of release from logging  
 Stand Description Open Pando Dune  
heavy grazing on edge of meadow  
Area logged last time  
Cored trees show release from logging  
 Tree# 2 SP PP DBH 11.1 Age (+10): 116 Last 10: 7 Best 10: 25

#	SP	DBH	Ht	Comments	Fixed Plot Tally?
1	PP	14.8	53		Regen:
2	PP	11.1	49		
					Saps:
					Shrubs: <u>PURR</u>
					Grasses: <u>CAGE</u>
					<u>Spike</u>

Photo #	Description

Area	Plot 5	BAF	Stand	Date 11/26
Aspect SE	Slope 25	DMR	Regen	ID

Plot Location On the ridge of a small knoll

Stand Description Open PP, DF, RMS Rocky w/ lots of shrubs

Tree#      SP      DBH      Age (+10):      Last 10:      Best 10:     

#	SP	DBH	Ht	Comments	Fixed Plot Tally?
1	PP	11.1	33	Dead	Regen:
2	RMS		11	DRC 7.3, 2.0	
3	PP	12.8	35		
4	DF	10.5	42		Saps: 1 DF
					Shrubs: JUNCO CEMO
					PUTR
					Grasses: cheat CAGE
					spike

Photo #	Description

Area	Plot 6	BAF	Stand	Date 11/26
Aspect NW	Slope 15	DMR	Regen	ID

Plot Location on top of small knoll

Stand Description Open PP DF RMT

Trees are to pretty wind blown

Tree#      SP      DBH      Age (+10):      Last 10:      Best 10:     

#	SP	DBH	Ht	Comments	Fixed Plot Tally?
1	PP	8.8	18		Regen:
2	PP	11.4	22		
3	PP	9.3	20		
					Saps:
					Shrubs: CEMO PWR
					CACTUS JUCO
					JUCI
					Grasses: CALG
					spike Cheat

Photo #	Description

Area	Plot 7	BAF	Stand	Date 11/26
Aspect SW	Slope 30	DMR	Regen	ID

Plot Location \_\_\_\_\_

Stand Description Awe stocke PP w/ some DF

Tree# 1 SP PP DBH 13.1 Age (+10): 198 Last 10: 5 Best 10: 14

#	SP	DBH	Ht	Comments	Fixed Plot Tally?
1	PP	13.1	47		Regen:
2		5.8	17		
3		7.5	25		
4		12.3	39		Saps:
5		16.9	48		
6		8.5	28		
7		11.7	46		Shrubs: RICE PLTR
8		14.8	45		CEMO
					Grasses: CAGE
					cheat
					much less grass cover
Photo #	Description				

Area	Plot 1	BAF	Stand	Date
Aspect NE	Slope 10	DMR	Regen	ID

Plot Location \_\_\_\_\_

Stand Description Open P1P0, Old dead w/B  
Some DF saps

Tree# \_\_\_\_\_ SP \_\_\_\_\_ DBH \_\_\_\_\_ Age (+10): \_\_\_\_\_ Last 10: \_\_\_\_\_ Best 10: \_\_\_\_\_

#	SP	DBH	Ht	Comments	Fixed Plot Tally?
1	AP	7.2	34	D	Regen:
					Saps: 1 DF
					Shrubs: Actr cemo
					Grasses: CAGE
					Spike

Photo #	Description

Area	Plot 2	BAF	Stand	Date
Aspect SE	Slope 23	DMR	Regen	ID

Plot Location \_\_\_\_\_

Stand Description Somewhat thick E Facing stand, Small stand, Mix of PP & DF, (good) amount of DF saps  
Broom on Jusc

Tree# \_\_\_\_\_ SP \_\_\_\_\_ DBH \_\_\_\_\_ Age (+10): \_\_\_\_\_ Last 10: \_\_\_\_\_ Best 10: \_\_\_\_\_

#	SP	DBH	Ht	Comments	Fixed Plot Tally?
1	PP	11.0	39		Regen: <u>DF-1</u>
2	PP	11.5	43		
3	PP	5.3	23		
4	DF	11.4	39		Saps: <u>PP 2</u>
5	DF	16.0	46		<u>DF 2</u>
					Shrubs: <u>amv RICE</u>
					<u>Jusc</u>
					Grasses: <u>CALFE</u>

Photo #	Description

Area	Plot 3	BAF	Stand	Date
Aspect N	Slope 18	DMR	Regen	ID

Plot Location \_\_\_\_\_

Stand Description Open PP DF & PMJ

Tree# 5 SP \_\_\_\_\_ DBH \_\_\_\_\_ Age (+10): 45 Last 10:  $\frac{5}{10}$  Best 10:  $\frac{5}{10}$

#	SP	DBH	Ht	Comments	Fixed Plot Tally?
1	PP	10.9	39	D	Regen:
2	PP	11.5	39	D	
3	DF	9.1	28		
4	PP	7.8	31	D	Saps: DF
5	DF	5.0	24		
6	DF	3.9	16		
					Shrubs: <u>Pinto Junc</u>
					<u>RICE</u>
					Grasses:
Photo #	Description				

Area	Plot 4	BAF	Stand	Date
Aspect	Slope	DMR	Regen	ID

Plot Location \_\_\_\_\_

Stand Description Open PP DF Old MBA in Area

Tree# \_\_\_\_\_ SP \_\_\_\_\_ DBH \_\_\_\_\_ Age (+10): \_\_\_\_\_ Last 10: \_\_\_\_\_ Best 10: \_\_\_\_\_

#	SP	DBH	Ht	Comments	Fixed Plot Tally?
1	PP	11.1	30		Regen: 1 PP
2	PP	18.0	38		
3	PP	13.5	33		
4	PP	11.7	28		Saps: 1 PP
					Shrubs: <u>Putr juco</u>
					<u>RICE</u>
					Grasses: <u>pike</u>

Photo #	Description

Area	Plot <u>5</u>	BAF	Stand	Date
Aspect <u>SE</u>	Slope <u>15</u>	DMR	Regen	ID

Plot Location \_\_\_\_\_

Stand Description very Open PP Old logging in area.

Tree# / SP PP DBH 9.0 Age (+10): 77 Last 10: 4 Best 10: 9

#	SP	DBH	Ht	Comments	Fixed Plot Tally?
1	PP	13.2	35		Regen:
2	"	4.2	18		
3	"	12.1	37		
4	"	12.3	37		Saps: 1 PP
5	"	9.5	38		
					Shrubs: <u>putr</u>
					Grasses: <u>spike</u>
					<u>Case</u>

Photo #	Description

Area	Plot 6	BAF	Stand	Date
Aspect	Slope	DMR	Regen	ID

Plot Location \_\_\_\_\_

Stand Description Old logging lots of old NAB

Beeche on much of DF  
*Lite*

Tree# \_\_\_\_\_ SP \_\_\_\_\_ DBH \_\_\_\_\_ Age (+10): \_\_\_\_\_ Last 10: \_\_\_\_\_ Best 10: \_\_\_\_\_

#	SP	DBH	Ht	Comments	Fixed Plot Tally?
1	PP	15.1	32	D	Regen: PP-1
2	PP	11.8	47		DF2
3	DF	11.2	44	Beeche	
4	DF	4.8	21		Saps: PP 1
					Shrubs:
					Grasses:

Photo #	Description

Area	Plot 7	BAF	Stand	Date
Aspect NE	Slope 10	DMR	Regen	ID

Plot Location \_\_\_\_\_

Stand Description Nearly all PP in area is Old MAS  
very open PP DF

Tree# \_\_\_\_\_ SP \_\_\_\_\_ DBH \_\_\_\_\_ Age (+10): \_\_\_\_\_ Last 10: \_\_\_\_\_ Best 10: \_\_\_\_\_

#	SP	DBH	Ht	Comments	Fixed Plot Tally?
1	PP	9.4	36	D	Regen:
2	DF	10.2	41	Beetle	
3	PP	12.9	41	D	
4	PP	12.6	42	D	Saps:
					Shrubs: <i>Platanus juco</i>
					<i>Cecropia juco</i>
					Grasses: <i>Cogon</i>
					<i>spike</i>

Photo #	Description

Area	Plot 8	BAF	Stand	Date
Aspect W	Slope S	DMR	Regen	ID

Plot Location \_\_\_\_\_

Stand Description open PP & DF on small knoll  
Good PP seeds / saps Old logging

Tree# 2 SP \_\_\_\_\_ DBH \_\_\_\_\_ Age (+10): 65 Last 10: 4 Best 10: 10

#	SP	DBH	Ht	Comments	Fixed Plot Tally?
1	PP	13.2	39		Regen:
2	PP	8.6	27		
					Saps: 2 PP
					Shrubs: <u>Putr</u>
					Grasses: <u>spike</u>
					<u>CAGE</u>

Photo #	Description

Area	Plot 9	BAF	Stand	Date
Aspect N	Slope 5	DMR	Regen	ID

Plot Location \_\_\_\_\_

Stand Description Open PP w/ some DF

Tree# \_\_\_\_\_ SP \_\_\_\_\_ DBH \_\_\_\_\_ Age (+10): \_\_\_\_\_ Last 10: \_\_\_\_\_ Best 10: \_\_\_\_\_

#	SP	DBH	Ht	Comments	Fixed Plot Tally?
1	PP	18.5	45		Regen:
2	DF	15.2	37		
					Saps:
					Shrubs: <u>Dist</u>
					<u>DICE</u>
					Grasses:

Photo #	Description

Area	Plot 10	BAF	Stand	Date
Aspect	Slope	DMR	Regen	ID

Plot Location \_\_\_\_\_

Stand Description open PP logging

Tree# \_\_\_\_\_ SP \_\_\_\_\_ DBH \_\_\_\_\_ Age (+10): \_\_\_\_\_ Last 10: \_\_\_\_\_ Best 10: \_\_\_\_\_

#	SP	DBH	Ht	Comments	Fixed Plot Tally?
1	PP	13.4	44		Regen:
2	PP	11.9	30		
3	PP	11.6	33		
					Saps:
					Shrubs: <u>Pinus jense</u>
					Grasses: <u>spike</u>
					<u>CAGE</u>

Photo #	Description

Area	Plot 1	BAF	Stand	Date 2/12
Aspect E	Slope 5	DMR	Regen	ID

Plot Location \_\_\_\_\_

Stand Description \_\_\_\_\_

Tree# \_\_\_\_\_ SP \_\_\_\_\_ DBH \_\_\_\_\_ Age (+10): \_\_\_\_\_ Last 10: \_\_\_\_\_ Best 10: \_\_\_\_\_

#	SP	DBH	Ht	Comments	Fixed Plot Tally?
1	PP	8.8	28		Regen:
2	PP	10.8	35	105 yo	
3	PP	9.4	38		
4	DF	9.1	35	96 yo	Saps:
					Shrubs:
					Grasses:

Photo #	Description

Area	Plot 2	BAF	Stand	Date 2/12
Aspect W	Slope 25	DMR	Regen	ID

Plot Location \_\_\_\_\_

Stand Description \_\_\_\_\_

Tree# \_\_\_\_\_ SP \_\_\_\_\_ DBH \_\_\_\_\_ Age (+10): \_\_\_\_\_ Last 10: \_\_\_\_\_ Best 10: \_\_\_\_\_

#	SP	DBH	Ht	Comments	Fixed Plot Tally?
1	PP	12.2	42		Regen: 1 DF
2	PP	8.9	33		
3	DF	10.7	39		
4	PP	10.9	39		Saps:
5	PP	6.4	27		
					Shrubs:
					Grasses:

Photo #	Description

Area	Plot 3	BAF	Stand	Date 2/12
Aspect NW	Slope 20	DMR	Regen	ID

Plot Location \_\_\_\_\_

Stand Description \_\_\_\_\_

Tree# \_\_\_\_\_ SP \_\_\_\_\_ DBH \_\_\_\_\_ Age (+10): \_\_\_\_\_ Last 10: \_\_\_\_\_ Best 10: \_\_\_\_\_

#	SP	DBH	Ht	Comments	Fixed Plot Tally?
1	DF	30	7.1		Regen:
2	DF	33	8.1		
3	DF	33	9.9		
		↖ ↗			Saps:
					Shrubs:
					Grasses:

Photo #	Description

Area	Plot 4	BAF	Stand	Date 2/12
Aspect W	Slope 10	DMR	Regen	ID

Plot Location \_\_\_\_\_

Stand Description \_\_\_\_\_

Tree# \_\_\_\_\_ SP \_\_\_\_\_ DBH \_\_\_\_\_ Age (+10): \_\_\_\_\_ Last 10: \_\_\_\_\_ Best 10: \_\_\_\_\_

#	SP	DBH	Ht	Comments	Fixed Plot Tally?
1	PP	22	12.4		Regen: 2 DF
2	PP	19	7.7		
		↗	↗		
					Saps:
					Shrubs:
					Grasses:

Photo #	Description

Area	Plot 5	BAF	Stand	Date 2/12
Aspect W	Slope 25	DMR	Regen	ID

Plot Location \_\_\_\_\_

Stand Description \_\_\_\_\_

Tree# \_\_\_\_\_ SP \_\_\_\_\_ DBH \_\_\_\_\_ Age (+10): \_\_\_\_\_ Last 10: \_\_\_\_\_ Best 10: \_\_\_\_\_

#	SP	DBH	Ht	Comments	Fixed Plot Tally?
1	PP	11.6	40	D	Regen:
2	PP	7.0	34	D	
3	DF	9.6	42		
4	PP	9.0	33	D	Saps:
5	PP	16.4	44	↓	
6	PP	11.2	42		
7	PP	6.2	25		Shrubs:
8	PP	9.5	35	↓	
					Grasses:

Photo #	Description

Area	Plot <u>6</u>	BAF	Stand	Date <u>2/12</u>
Aspect <u>W</u>	Slope <u>5</u>	DMR	Regen	ID

Plot Location \_\_\_\_\_

Stand Description \_\_\_\_\_

Tree# \_\_\_\_\_ SP \_\_\_\_\_ DBH \_\_\_\_\_ Age (+10): \_\_\_\_\_ Last 10: \_\_\_\_\_ Best 10: \_\_\_\_\_

#	SP	DBH	Ht	Comments	Fixed Plot Tally?
1	PP	22	10.8		Regen:
2	PP	28	11.3		
3	DF	30	14.4		
		↻			Saps:
					Shrubs:
					Grasses:
Photo #	Description				

Area	Plot 7	BAF	Stand	Date 2/12
Aspect E	Slope 25	DMR	Regen	ID

Plot Location \_\_\_\_\_

Stand Description \_\_\_\_\_

Tree# \_\_\_\_\_ SP \_\_\_\_\_ DBH \_\_\_\_\_ Age (+10): \_\_\_\_\_ Last 10: \_\_\_\_\_ Best 10: \_\_\_\_\_

#	SP	DBH	Ht	Comments	Fixed Plot Tally?
1	PP	10.5	35	D	Regen:
2		10.9	37		
3		10.3	40		
4		9.4	39		Saps: 2 DF
5		11.4	35		
6		9.8	40		
					Shrubs:
					Grasses:

Photo #	Description

Area	Plot 8	BAF	Stand	Date 2/12
Aspect E	Slope 25	DMR	Regen	ID

Plot Location \_\_\_\_\_

Stand Description \_\_\_\_\_

Tree# \_\_\_\_\_ SP \_\_\_\_\_ DBH \_\_\_\_\_ Age (+10): \_\_\_\_\_ Last 10: \_\_\_\_\_ Best 10: \_\_\_\_\_

#	SP	DBH	Ht	Comments	Fixed Plot Tally?
1	PP	10.8	32		Regen:
2	PP	9.4	32		
3	PP	11.6	28		
4	PP	9.2	22		Saps:
					Shrubs:
					Grasses:

Photo #	Description

Area	Plot 9	BAF	Stand	Date 2/12
Aspect	Slope	DMR	Regen	ID

Plot Location \_\_\_\_\_

Stand Description \_\_\_\_\_

Tree# \_\_\_\_\_ SP \_\_\_\_\_ DBH \_\_\_\_\_ Age (+10): \_\_\_\_\_ Last 10: \_\_\_\_\_ Best 10: \_\_\_\_\_

#	SP	DBH	Ht	Comments	Fixed Plot Tally?
1	PP	11.0	23	7940	Regen:
2	PP	15.4	45		
3	PP	12.1	31		
					Saps: 2 DF
					Shrubs:
					Grasses:

Photo #	Description

Area	Plot 10	BAF	Stand	Date 2/12
Aspect NE	Slope 15	DMR	Regen	ID

Plot Location \_\_\_\_\_

Stand Description \_\_\_\_\_

Tree# \_\_\_\_\_ SP \_\_\_\_\_ DBH \_\_\_\_\_ Age (+10): \_\_\_\_\_ Last 10: \_\_\_\_\_ Best 10: \_\_\_\_\_

#	SP	DBH	Ht	Comments	Fixed Plot Tally?
1	PP	4.5	31	D	Regen:
2		7.7	27	D	
3		10.7	30	D	
					Saps:
					Shrubs:
					Grasses:

Photo #	Description

---Fvsstand Alone Analysis

DATE RUN - 02/24/2014  
 PLOT ACRES - 1.00  
 MEASUREMENT LENGTH - 10.00 YEARS

TABLE 1-1 S T A N D T A B L E

--- (122) Ponderosa pine

:----- 2004 M E A S U R E M E N T -----:								:----- 2014 M E A S U R E M E N T -----:											
DIA. :	TREES	AVG	AVG	BA	CUBIC	BOARD	BOARD	:	TREES	AVG	AVG	BA	CUBIC	BOARD	BOARD	:	% CU	% BD	% CN
CLASS:	/AC	DBH	HGT	/AC	CU/AC	CU/AC	BD/AC	:	/AC	DBH	HGT	/AC	CU/AC	CU/AC	BD/AC	:	DEF	DEF	COV
<1. :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	0.000	0.00	0.0	0.000	0.00	0.00	0.00	0.0 :	0.00	0.00	0.00	
2. :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	0.000	0.00	0.0	0.000	0.00	0.00	0.00	0.0 :	0.00	0.00	0.00	
4. :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	0.000	0.00	0.0	0.000	0.00	0.00	0.00	0.0 :	0.00	0.00	0.00	
SUB. :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	0.000	0.00	0.0	0.000	0.00	0.00	0.00	0.0 :	0.00	0.00	0.00	
6. :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	11.329	6.80	20.0	2.857	15.86	0.00	0.0 :	0.00	0.00	1.42		
8. :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	17.304	7.73	32.5	5.714	57.40	0.00	239.2 :	0.00	0.00	2.23		
SUB. :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	28.633	7.36	27.6	8.571	73.26	0.00	239.2 :	0.00	0.00	3.65		
10. :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	22.522	9.64	39.8	11.428	153.87	0.00	557.9 :	0.00	0.00	3.84		
12. :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	29.471	11.91	45.6	22.859	350.76	0.00	1454.2 :	0.00	0.00	6.96		
14. :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	2.492	14.50	48.0	2.858	45.85	0.00	224.3 :	0.00	0.00	0.78		
16. :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	6.497	15.55	55.1	8.571	169.02	0.00	809.8 :	0.00	0.00	2.21		
SUB. :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	60.982	11.56	44.6	45.716	719.50	0.00	3046.2 :	0.00	0.00	13.79		
18. :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	1.653	17.80	54.0	2.857	54.88	0.00	231.4 :	0.00	0.00	0.69		
20. :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	1.234	20.60	52.0	2.856	50.35	0.00	234.5 :	0.00	0.00	0.68		
22. :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	0.00	0.00	0.00		
24. :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	0.00	0.00	0.00		
26. :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	0.00	0.00	0.00		
28. :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	0.00	0.00	0.00		
30. :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	0.00	0.00	0.00		
32. :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	0.00	0.00	0.00		
34. :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	0.00	0.00	0.00		
36. :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	0.00	0.00	0.00		
38. :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	0.00	0.00	0.00		
40. :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	0.00	0.00	0.00		
SUB. :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	2.887	19.00	53.1	5.713	105.23	0.00	465.9 :	0.00	0.00	1.37		
TOTAL:	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	92.502	10.49	39.6	60.000	897.98	0.00	3751.2 :	0.00	0.00	18.81		
>=5"+:	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	92.502	10.49	39.6	60.000	897.98	0.00	3751.2 :	0.00	0.00	18.81		

---Fvsstand Alone Analysis

DATE RUN - 02/24/2014  
 PLOT ACRES - 1.00  
 MEASUREMENT LENGTH - 10.00 YEARS

TABLE 1-1 S T A N D T A B L E

--- (202) Douglas-fir

:----- 2004 M E A S U R E M E N T ----->								:----- 2014 M E A S U R E M E N T ----->											
DIA. :	TREES	AVG	AVG	BA	CUBIC	BOARD	BOARD	:	TREES	AVG	AVG	BA	CUBIC	BOARD	BOARD	:	% CU	% BD	% CN
CLASS:	/AC	DBH	HGT	/AC	CU/AC	CU/AC	BD/AC	:	/AC	DBH	HGT	/AC	CU/AC	CU/AC	BD/AC	:	DEF	DEF	COV
<1. :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	0.000	0.00	0.0	0.000	0.00	0.00	0.00	0.0 :	0.00	0.00	0.00	
2. :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	0.000	0.00	0.0	0.000	0.00	0.00	0.00	0.0 :	0.00	0.00	0.00	
4. :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	53.087	4.44	26.3	5.714	0.00	0.00	0.00	0.0 :	0.00	0.00	5.56	
SUB. :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	53.087	4.44	26.3	5.714	0.00	0.00	0.00	0.0 :	0.00	0.00	5.56	
6. :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	50.173	6.46	36.1	11.429	123.82	0.00	0.00	0.0 :	0.00	0.00	7.74	
8. :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	80.292	7.65	36.3	25.714	285.24	0.00	1118.2	0.0 :	0.00	0.00	15.06	
SUB. :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	130.465	7.19	36.2	37.143	409.06	0.00	1118.2	0.0 :	0.00	0.00	22.80	
10. :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	5.135	10.10	45.0	2.857	42.11	0.00	154.1	0.0 :	0.00	0.00	1.28	
12. :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	11.794	11.54	44.9	8.572	125.53	0.00	505.0	0.0 :	0.00	0.00	3.47	
14. :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	5.662	13.59	49.1	5.715	83.77	0.00	345.1	0.0 :	0.00	0.00	1.99	
16. :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	0.000	0.00	0.0	0.000	0.00	0.00	0.00	0.0 :	0.00	0.00	0.00	
SUB. :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	22.591	11.72	46.0	17.143	251.41	0.00	1004.2	0.0 :	0.00	0.00	6.75	
18. :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	0.000	0.00	0.0	0.000	0.00	0.00	0.00	0.0 :	0.00	0.00	0.00	
20. :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	0.000	0.00	0.0	0.000	0.00	0.00	0.00	0.0 :	0.00	0.00	0.00	
22. :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	0.000	0.00	0.0	0.000	0.00	0.00	0.00	0.0 :	0.00	0.00	0.00	
24. :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	0.000	0.00	0.0	0.000	0.00	0.00	0.00	0.0 :	0.00	0.00	0.00	
26. :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	0.000	0.00	0.0	0.000	0.00	0.00	0.00	0.0 :	0.00	0.00	0.00	
28. :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	0.000	0.00	0.0	0.000	0.00	0.00	0.00	0.0 :	0.00	0.00	0.00	
30. :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	0.000	0.00	0.0	0.000	0.00	0.00	0.00	0.0 :	0.00	0.00	0.00	
32. :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	0.000	0.00	0.0	0.000	0.00	0.00	0.00	0.0 :	0.00	0.00	0.00	
34. :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	0.000	0.00	0.0	0.000	0.00	0.00	0.00	0.0 :	0.00	0.00	0.00	
36. :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	0.000	0.00	0.0	0.000	0.00	0.00	0.00	0.0 :	0.00	0.00	0.00	
38. :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	0.000	0.00	0.0	0.000	0.00	0.00	0.00	0.0 :	0.00	0.00	0.00	
40. :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	0.000	0.00	0.0	0.000	0.00	0.00	0.00	0.0 :	0.00	0.00	0.00	
SUB. :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	0.000	0.00	0.0	0.000	0.00	0.00	0.00	0.0 :	0.00	0.00	0.00	
TOTAL:	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	206.143	6.98	34.7	60.001	660.47	0.00	2122.4	0.0 :	0.00	0.00	35.11	
-----																			
>=5"+:	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	153.056	7.86	37.7	54.286	660.47	0.00	2122.4	0.0 :	0.00	0.00	29.55	

---Fvsstand Alone Analysis

DATE RUN - 02/24/2014  
 PLOT ACRES - 1.00  
 MEASUREMENT LENGTH - 10.00 YEARS

TABLE 1-1 S T A N D T A B L E

--- All Species Combined

:----- 2004 M E A S U R E M E N T -----:								:----- 2014 M E A S U R E M E N T -----:											
DIA. :	TREES	AVG	AVG	BA	CUBIC	BOARD	BOARD	:	TREES	AVG	AVG	BA	CUBIC	BOARD	BOARD	:	% CU	% BD	% CN
CLASS:	/AC	DBH	HGT	/AC	CU/AC	CU/AC	BD/AC	:	/AC	DBH	HGT	/AC	CU/AC	CU/AC	BD/AC	:	DEF	DEF	COV
<1. :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	0.00	0.00	0.00	0.00	0.00
2. :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	0.00	0.00	0.00	0.00	0.00
4. :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	53.087	4.44	26.3	5.714	0.00	0.00	0.0 :	0.00	0.00	0.00	5.56	5.56
SUB. :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	53.087	4.44	26.3	5.714	0.00	0.00	0.0 :	0.00	0.00	0.00	5.56	5.56
6. :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	61.502	6.52	33.1	14.286	139.68	0.00	0.0 :	0.00	0.00	0.00	9.16	9.16
8. :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	97.596	7.66	35.7	31.428	342.65	0.00	1357.4 :	0.00	0.00	0.00	17.28	17.28
SUB. :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	159.098	7.22	34.7	45.714	482.32	0.00	1357.4 :	0.00	0.00	0.00	26.44	26.44
10. :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	27.657	9.72	40.8	14.285	195.97	0.00	711.9 :	0.00	0.00	0.00	5.12	5.12
12. :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	41.265	11.80	45.4	31.430	476.29	0.00	1959.2 :	0.00	0.00	0.00	10.43	10.43
14. :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	8.154	13.87	48.8	8.573	129.62	0.00	569.4 :	0.00	0.00	0.00	2.77	2.77
16. :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	6.497	15.55	55.1	8.571	169.02	0.00	809.8 :	0.00	0.00	0.00	2.21	2.21
SUB. :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	83.573	11.61	44.9	62.859	970.90	0.00	4050.3 :	0.00	0.00	0.00	20.54	20.54
18. :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	1.653	17.80	54.0	2.857	54.88	0.00	231.4 :	0.00	0.00	0.00	0.69	0.69
20. :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	1.234	20.60	52.0	2.856	50.35	0.00	234.5 :	0.00	0.00	0.00	0.68	0.68
22. :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	0.00	0.00	0.00	0.00	0.00
24. :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	0.00	0.00	0.00	0.00	0.00
26. :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	0.00	0.00	0.00	0.00	0.00
28. :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	0.00	0.00	0.00	0.00	0.00
30. :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	0.00	0.00	0.00	0.00	0.00
32. :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	0.00	0.00	0.00	0.00	0.00
34. :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	0.00	0.00	0.00	0.00	0.00
36. :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	0.00	0.00	0.00	0.00	0.00
38. :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	0.00	0.00	0.00	0.00	0.00
40. :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	0.00	0.00	0.00	0.00	0.00
SUB. :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	2.887	19.00	53.1	5.713	105.23	0.00	465.9 :	0.00	0.00	0.00	1.37	1.37
TOTAL:	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	298.645	8.07	36.2	120.001	1558.45	0.00	5873.6 :	0.00	0.00	0.00	53.91	53.91
>=5"+:	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	245.558	8.85	38.4	114.286	1558.45	0.00	5873.6 :	0.00	0.00	0.00	48.35	48.35

---Fvsstand Alone Analysis

DATE RUN - 02/24/2014  
 PLOT ACRES - 1.00  
 MEASUREMENT LENGTH - 10.00 YEARS

TABLE 1-1 S T A N D T A B L E

--- (122) Ponderosa pine

:----- 2004 M E A S U R E M E N T ----->								:----- 2014 M E A S U R E M E N T ----->										
DIA. :	TREES	AVG	AVG	BA	CUBIC	BOARD	BOARD	TREES	AVG	AVG	BA	CUBIC	BOARD	BOARD	% CU	% BD	% CN	
CLASS:	/AC	DBH	HGT	/AC	CU/AC	CU/AC	BD/AC	/AC	DBH	HGT	/AC	CU/AC	CU/AC	BD/AC	DEF	DEF	COV	
<1. :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	0.00	0.00	0.00	
2. :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	0.00	0.00	0.00	
4. :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	7.995	4.20	18.0	0.769	0.00	0.00	0.0 :	0.00	0.00	0.59	
SUB. :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	7.995	4.20	18.0	0.769	0.00	0.00	0.0 :	0.00	0.00	0.59	
6. :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	16.326	5.86	22.8	3.077	13.79	0.00	0.0 :	0.00	0.00	1.88	
8. :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	24.464	7.94	27.9	8.462	69.71	0.00	238.7 :	0.00	0.00	4.32	
SUB. :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	40.790	7.11	25.9	11.539	83.50	0.00	238.7 :	0.00	0.00	6.20	
10. :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	29.980	9.91	33.0	16.153	172.87	0.00	642.8 :	0.00	0.00	7.09	
12. :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	27.730	11.71	35.5	20.768	245.33	0.00	873.5 :	0.00	0.00	8.39	
14. :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	7.429	13.76	41.3	7.692	107.93	0.00	423.4 :	0.00	0.00	2.75	
16. :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	3.461	15.62	42.4	4.616	65.70	0.00	289.0 :	0.00	0.00	1.56	
SUB. :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	68.600	11.34	35.4	49.229	591.83	0.00	2228.7 :	0.00	0.00	19.78	
18. :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	1.250	18.39	49.0	2.306	38.34	0.00	181.1 :	0.00	0.00	0.70	
20. :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	0.00	0.00	0.00	
22. :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	0.00	0.00	0.00	
24. :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	0.00	0.00	0.00	
26. :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	0.00	0.00	0.00	
28. :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	0.00	0.00	0.00	
30. :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	0.00	0.00	0.00	
32. :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	0.00	0.00	0.00	
34. :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	0.00	0.00	0.00	
36. :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	0.00	0.00	0.00	
38. :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	0.00	0.00	0.00	
40. :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	0.00	0.00	0.00	
SUB. :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	1.250	18.39	49.0	2.306	38.34	0.00	181.1 :	0.00	0.00	0.70	
TOTAL:	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	118.635	9.48	31.1	63.844	713.67	0.00	2648.5 :	0.00	0.00	27.27	
-----																		
>=5"+:	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	110.640	9.86	32.0	63.074	713.67	0.00	2648.5 :	0.00	0.00	26.68	

---Fvsstand Alone Analysis

DATE RUN - 02/24/2014  
 PLOT ACRES - 1.00  
 MEASUREMENT LENGTH - 10.00 YEARS

TABLE 1-1 S T A N D T A B L E

--- (202) Douglas-fir

:----- 2004 M E A S U R E M E N T -----:								:----- 2014 M E A S U R E M E N T -----:											
DIA. :	TREES	AVG	AVG	BA	CUBIC	BOARD	BOARD	:	TREES	AVG	AVG	BA	CUBIC	BOARD	BOARD	:	% CU	% BD	% CN
CLASS:	/AC	DBH	HGT	/AC	CU/AC	CU/AC	BD/AC	:	/AC	DBH	HGT	/AC	CU/AC	CU/AC	BD/AC	:	DEF	DEF	COV
<1. :	0.000	0.00	0.0	0.0000	0.00	0.00	0.0 :	0.0000	0.00	0.0	0.0000	0.00	0.00	0.0 :	0.00	0.00	0.00	0.00	0.00
2. :	0.000	0.00	0.0	0.0000	0.00	0.00	0.0 :	0.0000	0.00	0.0	0.0000	0.00	0.00	0.0 :	0.00	0.00	0.00	0.00	0.00
4. :	0.000	0.00	0.0	0.0000	0.00	0.00	0.0 :	15.394	4.26	18.0	1.538	0.00	0.00	0.0 :	0.00	0.00	0.00	1.94	1.94
SUB. :	0.000	0.00	0.0	0.0000	0.00	0.00	0.0 :	15.394	4.26	18.0	1.538	0.00	0.00	0.0 :	0.00	0.00	0.00	1.94	1.94
6. :	0.000	0.00	0.0	0.0000	0.00	0.00	0.0 :	5.641	5.00	24.0	0.769	3.95	0.00	0.0 :	0.00	0.00	0.00	0.82	0.82
8. :	0.000	0.00	0.0	0.0000	0.00	0.00	0.0 :	4.948	7.53	31.3	1.539	13.96	0.00	49.5 :	0.00	0.00	0.00	1.11	1.11
SUB. :	0.000	0.00	0.0	0.0000	0.00	0.00	0.0 :	10.589	6.18	27.4	2.308	17.91	0.00	49.5 :	0.00	0.00	0.00	1.93	1.93
10. :	0.000	0.00	0.0	0.0000	0.00	0.00	0.0 :	10.242	9.80	36.8	5.385	62.34	0.00	241.8 :	0.00	0.00	0.00	3.04	3.04
12. :	0.000	0.00	0.0	0.0000	0.00	0.00	0.0 :	2.209	11.30	41.5	1.538	21.56	0.00	66.3 :	0.00	0.00	0.00	0.76	0.76
14. :	0.000	0.00	0.0	0.0000	0.00	0.00	0.0 :	0.680	14.40	30.0	0.769	6.73	0.00	27.2 :	0.00	0.00	0.00	0.33	0.33
16. :	0.000	0.00	0.0	0.0000	0.00	0.00	0.0 :	1.161	15.58	41.3	1.538	20.31	0.00	74.0 :	0.00	0.00	0.00	0.58	0.58
SUB. :	0.000	0.00	0.0	0.0000	0.00	0.00	0.0 :	14.292	10.72	37.5	9.230	110.94	0.00	409.2 :	0.00	0.00	0.00	4.71	4.71
18. :	0.000	0.00	0.0	0.0000	0.00	0.00	0.0 :	0.0000	0.00	0.0	0.0000	0.00	0.00	0.0 :	0.00	0.00	0.00	0.00	0.00
20. :	0.000	0.00	0.0	0.0000	0.00	0.00	0.0 :	0.0000	0.00	0.0	0.0000	0.00	0.00	0.0 :	0.00	0.00	0.00	0.00	0.00
22. :	0.000	0.00	0.0	0.0000	0.00	0.00	0.0 :	0.0000	0.00	0.0	0.0000	0.00	0.00	0.0 :	0.00	0.00	0.00	0.00	0.00
24. :	0.000	0.00	0.0	0.0000	0.00	0.00	0.0 :	0.0000	0.00	0.0	0.0000	0.00	0.00	0.0 :	0.00	0.00	0.00	0.00	0.00
26. :	0.000	0.00	0.0	0.0000	0.00	0.00	0.0 :	0.222	25.20	55.0	0.769	12.57	0.00	57.7 :	0.00	0.00	0.00	0.19	0.19
28. :	0.000	0.00	0.0	0.0000	0.00	0.00	0.0 :	0.0000	0.00	0.0	0.0000	0.00	0.00	0.0 :	0.00	0.00	0.00	0.00	0.00
30. :	0.000	0.00	0.0	0.0000	0.00	0.00	0.0 :	0.0000	0.00	0.0	0.0000	0.00	0.00	0.0 :	0.00	0.00	0.00	0.00	0.00
32. :	0.000	0.00	0.0	0.0000	0.00	0.00	0.0 :	0.0000	0.00	0.0	0.0000	0.00	0.00	0.0 :	0.00	0.00	0.00	0.00	0.00
34. :	0.000	0.00	0.0	0.0000	0.00	0.00	0.0 :	0.0000	0.00	0.0	0.0000	0.00	0.00	0.0 :	0.00	0.00	0.00	0.00	0.00
36. :	0.000	0.00	0.0	0.0000	0.00	0.00	0.0 :	0.0000	0.00	0.0	0.0000	0.00	0.00	0.0 :	0.00	0.00	0.00	0.00	0.00
38. :	0.000	0.00	0.0	0.0000	0.00	0.00	0.0 :	0.0000	0.00	0.0	0.0000	0.00	0.00	0.0 :	0.00	0.00	0.00	0.00	0.00
40. :	0.000	0.00	0.0	0.0000	0.00	0.00	0.0 :	0.0000	0.00	0.0	0.0000	0.00	0.00	0.0 :	0.00	0.00	0.00	0.00	0.00
SUB. :	0.000	0.00	0.0	0.0000	0.00	0.00	0.0 :	0.222	25.20	55.0	0.769	12.57	0.00	57.7 :	0.00	0.00	0.00	0.19	0.19
TOTAL:	0.000	0.00	0.0	0.0000	0.00	0.00	0.0 :	40.497	7.16	27.6	13.845	141.42	0.00	516.4 :	0.00	0.00	0.00	8.76	8.76
>=5"+:	0.000	0.00	0.0	0.0000	0.00	0.00	0.0 :	25.103	8.93	33.4	12.306	141.42	0.00	516.4 :	0.00	0.00	0.00	6.82	6.82

---Fvsstand Alone Analysis

DATE RUN - 02/24/2014  
 PLOT ACRES - 1.00  
 MEASUREMENT LENGTH - 10.00 YEARS

TABLE 1-1 S T A N D T A B L E

--- All Species Combined

:----- 2004 M E A S U R E M E N T ----->								:----- 2014 M E A S U R E M E N T ----->											
DIA. :	TREES	AVG	AVG	BA	CUBIC	BOARD	BOARD	:	TREES	AVG	AVG	BA	CUBIC	BOARD	BOARD	:	% CU	% BD	% CN
CLASS:	/AC	DBH	HGT	/AC	CU/AC	CU/AC	BD/AC	:	/AC	DBH	HGT	/AC	CU/AC	CU/AC	BD/AC	:	DEF	DEF	COV
<1. :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	0.000	0.00	0.0	0.000	0.00	0.00	0.00	0.0 :	0.00	0.00	0.00	
2. :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	0.000	0.00	0.0	0.000	0.00	0.00	0.00	0.0 :	0.00	0.00	0.00	
4. :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	23.389	4.24	18.0	2.308	0.00	0.00	0.00	0.0 :	0.00	0.00	2.53	
SUB. :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	23.389	4.24	18.0	2.308	0.00	0.00	0.00	0.0 :	0.00	0.00	2.53	
6. :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	21.967	5.64	23.1	3.846	17.74	0.00	0.00	0.0 :	0.00	0.00	2.70	
8. :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	29.412	7.87	28.5	10.000	83.67	0.00	288.1	0.00	0.00	0.00	5.42	
SUB. :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	51.379	6.92	26.2	13.846	101.41	0.00	288.1	0.00	0.00	0.00	8.13	
10. :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	40.222	9.89	34.0	21.538	235.21	0.00	884.6	0.00	0.00	0.00	10.13	
12. :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	29.939	11.68	36.0	22.306	266.89	0.00	939.8	0.00	0.00	0.00	9.15	
14. :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	8.109	13.82	40.3	8.461	114.66	0.00	450.6	0.00	0.00	0.00	3.07	
16. :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	4.622	15.61	42.1	6.154	86.01	0.00	363.0	0.00	0.00	0.00	2.14	
SUB. :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	82.892	11.24	35.8	58.459	702.77	0.00	2637.9	0.00	0.00	0.00	24.49	
18. :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	1.250	18.39	49.0	2.306	38.34	0.00	181.1	0.00	0.00	0.00	0.70	
20. :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	0.000	0.00	0.0	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
22. :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	0.000	0.00	0.0	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
24. :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	0.000	0.00	0.0	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
26. :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	0.222	25.20	55.0	0.769	12.57	0.00	57.7	0.00	0.00	0.00	0.19	
28. :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	0.000	0.00	0.0	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
30. :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	0.000	0.00	0.0	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
32. :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	0.000	0.00	0.0	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
34. :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	0.000	0.00	0.0	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
36. :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	0.000	0.00	0.0	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
38. :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	0.000	0.00	0.0	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
40. :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	0.000	0.00	0.0	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
SUB. :	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	1.472	19.42	49.9	3.075	50.91	0.00	238.9	0.00	0.00	0.00	0.89	
TOTAL:	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	159.132	8.89	30.2	77.688	855.09	0.00	3164.9	0.00	0.00	0.00	36.03	
>=5"+:	0.000	0.00	0.0	0.000	0.00	0.00	0.0 :	135.743	9.69	32.3	75.381	855.09	0.00	3164.9	0.00	0.00	0.00	33.50	

















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