

October 20, 2017

Allen Owen, CSFS boulder District Forester
5625 Ute Highway
Longmont, CO 80503

Re: Final Closeout Report for– Mullen Park Forest Restoration Project #1929900-BO-2

Dear Allen,

This report highlights the forest restoration work performed at the City of Longmont Button Rock Preserve and Watershed for the above referenced grant award. Please consider this report as the "Final Closeout Report" on this project.

Project Timeline:

December 2015: Grant Awarded

June/July 2016: Project manager identified boundaries with CSFS and prepared Prescription.

August/September 2016: Project manager prepared and finalized 303 Tree Service Contract.

October/December 2016: 303Tree thinned the project areas.

June/July 2017: Boulder County Youth Corps managed slash and decked logs.

August/September/ October 2017: Continued removal of forest product and Project Manager prepared "Final Closeout Report".

Project Accomplishments:

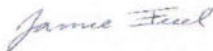
The City of Longmont hired contractors to restore forest across 40 acres at Button Rock Preserve. Trees were cut into 10' lengths, with limbs lopped and scattered or chipped. Ladder fuel removal, slash management and trunk removal was used to restore forest to better health and reduce wildfire risk.

Wood products have been or will be removed from the site or stacked in open areas for decay.

The Boulder County Youth Corps was used to manage slash and logs for disposal and removal. The included BCYC invoice is for 8 weeks of work of which only 6 weeks were used on this grant project represented by the \$20,625 on Form D.

Retained trees were low-limbed to 6 feet above the ground.

Thank you,



Jamie Freel
City of Longmont
Watershed Ranger
Natural Resources
Button Rock Dam and Preserve
303-774-3783
jamie.freel@longmontcolorado.gov



**EXHIBIT B
CSFS GRANT AND COST-SHARE PROGRAM REIMBURSEMENT REQUEST**

In order to receive reimbursement, you must provide documentation supporting your costs and corresponding match. Complete Form D and submit it with your request for reimbursement. Reimbursement requests must be accompanied by Form D, receipts for actual costs (out of pocket expenses) incurred by the recipient, and any additional supporting documentation. Other costs and matching funds incurred by the applicant and/or donated by other resources includes expenses for goods, services and labor necessary for project implementation. You may request partial reimbursement as you incur expenses and you must show corresponding match.

1. Project/Account #: 1929900-BO-2	2. Total Award Amount: \$40,800.00
3. Project Name: Mullen Park Forest Restoration	4. Reimbursed Amount to Date: \$0.00
5. Make Payment To: City of Longmont Name: Attn: Jamie Freel Address: 7 South Sunset Longmont, CO 80501	6. Period of Performance (Project Period): From: December 2015 To: October 2017

7. What has been accomplished? Please provide a description of accomplishments that meet the requirements listed in the project Scope of Work. Please be specific and report numbers such as acres treated, numbers of defensible spaces, tons of, cubic feet or yards of slash collected, number of presentations, number of plans written, etc., for which the award was granted. Attach additional sheets as necessary.

The City of Longmont hired contractors to restore forest across 40 acres at Button Rock Preserve. Trees were cut into 10' lengths, with limbs lopped and scattered or chipped. Ladder fuel removal, slash management and trunk removal was used to restore forest to better health and reduce wildfire risk. Wood products have been or will be removed from the site or stacked in open areas for decay. The Boulder County Youth Corps was used to manage slash and logs for disposal and removal. Retained trees were low-limbed to 6 feet above the ground.

8. Reimbursement request amount cannot exceed the total project award obligation as identified in the project award notification. The reimbursement request amount must comply with the appropriate cost-share requirement for the period being billed. The reimbursement amount cannot exceed the actual project costs to recipient.

A. Remaining Award Amount	B. Reimbursement Requested Amount (recipient cost)	C. Match (recipient cost)	D. Match (non-recipient cost)	E. Total Project Cost	F. Recipient Match Rate (%)
				B+C+D	(C+D)/E
\$40,800.00	\$40,800.00	\$34,228.75	\$0.00	\$75,028.75	46%

* Use results from Form D CSFS Financial Assistance Cost Documentation Worksheet to complete table above. Include Form D, and other approved documentation with Exhibit B to request reimbursement.

Reimbursement Request. I request reimbursement in the amount of **\$40,800.00** for the work completed and documented above or attached.

9. I certify that to the best of my knowledge this report is correct and complete, and that all outlays reported are for the purposes set forth in the project documents (i.e. award notification, scope of work, etc.). All expenses and all cost-share are true and accurate.

Grant Recipient Signature: Jamie Freel (FOR CITY OF LONGMONT) Date: 10/20/2017

10. Certification:
Work meets minimum standards and specifications as set forth by the CSFS in the Scope of Work.
District Forester Signature: Alfred [Signature] Date: 10/25/17

11. Funding is available and request is approved for reimbursement.
Program Manager Signature: _____ Date: _____



CSFS Financial Assistance Cost-Share Program Cost Documentation Worksheet

Project/Account #: 1929900-BO-2

Award Amount (obligated from funding source): \$40,800.00

A. Remaining Award Amount: \$40,800.00

Reimbursement Request:

B. Recipient Cost to be reimbursed (not to exceed the remaining award amount and excluding items not eligible for reimbursement)**	Match		E. Total Project Cost = B+C+D	F. Recipient Match Rate = (C+D)/E
	C. Recipient Cost (reimbursable costs that exceed the award amount and items or costs not allowable for reimbursement)**	D. Non-recipient Cost**		
\$40,800.00	\$34,228.75	\$0.00	\$75,028.75	0.456208453

Date	By Whom	Activity/Expense	Hours	Value (\$)	Cost Category
12/13/16	303 Tree	Forest Thinning, Chipping, Lop & Scatter Slash, Log Piling	2 Months	\$50,100.00	Actual Cost: reimbursable costs
06/13/17	Boulder County Youth Corps	Decking Logs, Slash Piling, Chip Removal	6 Weeks	\$20,625.00	Actual Cost: reimbursable costs
12/20/15	Jamie Freel	Project Mangement	79.00	\$2,370.00	Salaried Staff: reimbursable costs
09/30/17	Andrew Bobak	Sawyer	12.50	\$193.75	Salaried Staff: reimbursable costs
09/30/17	Keith Stagg	Sawyer	31.50	\$913.50	Salaried Staff: reimbursable costs
09/30/17	290C CAT	Skid Steer w/Grapple and Bucket	21.75	\$826.50	Rented equipment, etc: reimbursable

TOTALS: G. Cumulative Recipient Cost= \$75,028.75
 H. Recipient Cost (Match)= \$34,228.75
 I. Non-recipient Cost (Match)= \$0.00

FOR CITY OF LONGMONT
Jamie Freel
[Signature]

Grant Recipient Signature: _____ Date: 10/20/17
 District Forester Signature: _____ Date: 10/25/17

303 Tree Inc
 4949 Broadway #136
 Boulder, CO 80304
 303-565-6541

INVOICE

Customer Number	116693
-----------------	--------

PO# 21602657-00

Invoice #	6023
Date	12/11/2016

City Of Longmont - Water
 Jamie Freel
 350 Kimbark St
 Longmont CO 80501

Job Name	Job Site	Phone	Salesperson	Total Due
Mullen Park 20160907	Button Rock Preserve	303-823-6060	Ehren Weiss	\$50,100.00

Line	Item	Service Description	Completed	Price
1	See Service Description	(Item #1 See Service Description) Forestry 9 Acres as identified on site map. It's projected that mastication equipment will be able to access 3-4 acres of this unit. Within the machine accessible acres we will masticate all trees smaller than 6" diameter and will take out some larger trees where necessary to gain equipment access or to obtain a clumpy mosaic pattern of retained trees. In the remaining 5 to 6 acres of hand cutting we will lop and scatter all trees smaller than 6" diameter. It's understood that there are several large areas within this unit (specifically the North East corner) that do not have any trees larger than 6" diameter and this treatment will result in the clearing of all trees within these isolated and sometimes steep and inaccessible spots. Our goal is to complete this unit right away before snow prevents access to this north facing unit.	11/30/2016	\$16,600.00
2	See Service Description	(Item #2 See Service Description) Forestry 19 acres as identified on sitemap. All marked trees will be removed. Junipers and small trees where machine accesible will be masticated. Larger trees will be felled, logs decked and tops chipped. 1-2 acres in the South East corner of this unit will be inaccessible to equipment and will be lop and scattered. This proposal includes the climbing and rigging of one tree off the North East corner of the house. careful felling of trees around the powerlines, and careful work near "buried" communications lines. Our goal within this unit is to deliver a superior finished product as it is highly visible from the road.	11/30/2016	\$33,500.00
			Subtotal:	\$50,100.00

Thank you,
 Ehren Weiss

Total: \$50,100.00

APPROVED
 FOR PAYMENT
 PO #21602657
 12-13-16
Jamie Freel



Boulder County

Financial Services
PO Box 471
Boulder, CO 80306

INVOICE

Customer Number: C00103
Invoice Number: 15136
Invoice Date: 05/03/17
Terms: DUE UPON RECEIPT

To: City of Longmont
350 Kimbark
Longmont, CO 80501

Transaction Date	Description	Account	Amount
05/03/17	CITY OF LONGMONT YOUTH CORPS	2795000 53580	27,500.00

APPROVED
FOR PAYMENT
05-10-17
Jennie Ernel

RECEIVED
MAY 10 2017
ACCOUNTS PAYABLE
CITY OF LONGMONT

Total Due 27,500.00

Please call Shelly in Resource Conservation @
720-564-2243 will questions regarding this invoice.

PLEASE RETURN THIS PORTION WITH YOUR PAYMENT

Please make checks payable to
Boulder County
Attn: Financial Services
PO Box 471
Boulder, CO 80306

Customer Number: C00103
Invoice Number: 15136
Invoice Date: 05/03/17
Total Amount Due \$ 27,500.00

Total Payment \$ _____

Employee
 Name Jamie Freel Emp # *****
 Position Project Manager SSN *****
 Department Longmont Natural Resources Manager David Bell

Miscellaneous
Project Manager/Sawyer/Heavy Equipment Operator

Pay Period
 From: 12/20/2015 To: 10/9/2017

Account Description	Account Code	M	T	W	Th	F	Sa	Su	Total Hours
December 2015	330556	3.00							3.00
July 2016	330556	1.00							1.00
August 2016	330556	2.00							2.00
September 2016	330556	11.50							11.50
October 2016	330556	1.00							1.00
November 2016	330556	5.00							5.00
December 2016	330556	17.50							17.50
January 2017	330556	4.50							4.50
February 2017	330556	7.75							7.75
April 2017	330556	6.00							6.00
May 2017	330556	3.00							3.00
June 2017	330556	2.25							2.25
August 2017	330556	6.50							6.50
September 2017	330556	2.00							2.00
October 2017	330556	6.00							6.00
Total Hours		79.00							79.00
									Total Overtime Hours

Notes and Remarks
 Employee salary pay rate \$30 / hr; period costs \$2,370.

Office Use Only

Employee
 Name Andrew Bobak Emp # *****
 Position Sawyer/Equipment Operator SSN *****
 Department Longmont Natural Resources Manager Jamie Freel

Miscellaneous
Sawyer/Heavy Equipment Operator

Pay Period
 From: 8/1/2017 To: 9/30/2017

Account Description	Account Code	M	T	W	Th	F	Sa	Su	Total Hours
August 2017	330556	6.50							6.50
September 2017	330556	6.00							6.00
Total Hours		12.50							12.50
									Total Overtime Hours

Notes and Remarks
 Employee salary pay rate \$15.50 / hr; period costs \$193.75.

Office Use Only

Employee
 Name Keith Stagg Emp # *****
 Position Sawyer/Equipment Operator SSN *****
 Department Longmont Natural Resources Manager Jamie Freet

Miscellaneous
Sawyer/Heavy Equipment Operator

Pay Period
 From: 1/1/2017 To: 9/30/2017

Account Description	Account Code	M	T	W	Th	F	Sa	Su	Total Hours
January 2017	330556	2.50							2.50
February 2017	330556	8.00							8.00
March 2017	330556	4.00							4.00
May 2017	330556	4.50							4.50
June 2017	330556	5.00							5.00
August 2017	330556	3.50							3.50
September 2017	330556	4.00							4.00
Total Hours		31.50							31.50
									Total Overtime Hours

Notes and Remarks
 Employee salary pay rate \$29 / hr; period costs \$913.50.

Office Use Only

Employee
 Name CAT 290 Tracksteer Emp # *****
 Position SSN *****
 Department Longmont Natural Resources Manager Jamie Freet

Miscellaneous

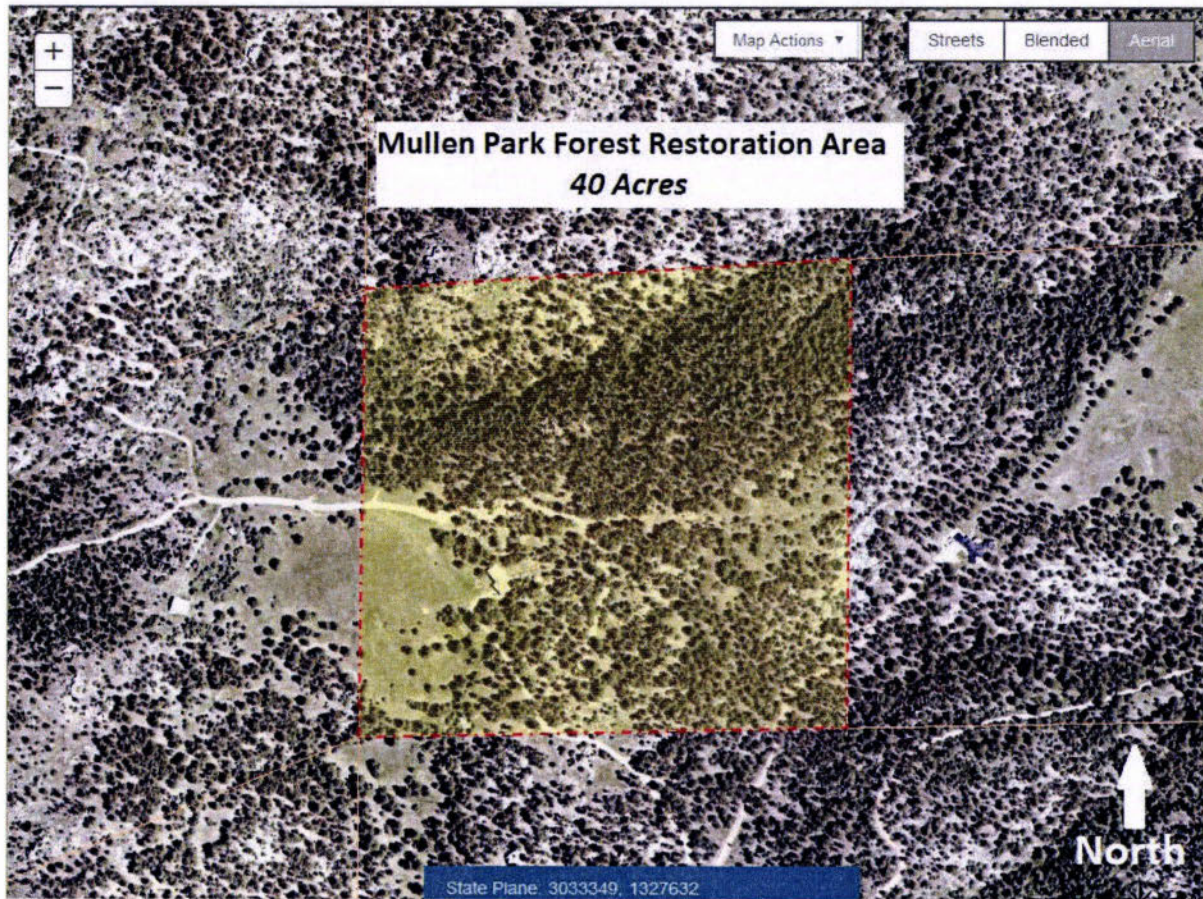
Pay Period
 From: 4/1/2017 To: 9/30/2017

Account Description	Account Code	M	T	W	Th	F	Sa	Su	Total Hours
April 2017	330556	8.00							8.00
May 2017	330556	3.00							3.00
June 2017	330556	2.25							2.25
August 2017	330556	6.50							6.50
September 2017	330556	4.00							4.00
Total Hours		21.75							21.75
									Total Overtime Hours

Notes and Remarks
 Equipment operation cost \$38 / hour; period costs \$826.50.

Office Use Only

Photos of Restoration Areas



Before @ 40.23368, 105.37523



After @ 40.23368, 105.37523



Before @ 40.23433, 105.37471



After @ 40.23433, 105.37471



Before @ 40.23520, 105.37486



After @ 40.23520, 105.37486



Before @ 40.23522, 105.37437



After @ 40.23522, 105.37437



Before @ 40.23522, 105.37437



After @ 40.23522, 105.37437



Before @ 40.23407, 105.37553



After @ 40.23407, 105.37553



Before @ 40.23447, 105.37599



After @ 40.23447, 105.37599



Before @ 40.23463, 105.37597



After @ 40.23463, 105.37597



Before



After



Mulch

Before



After



Slash Piles



Decked Logs

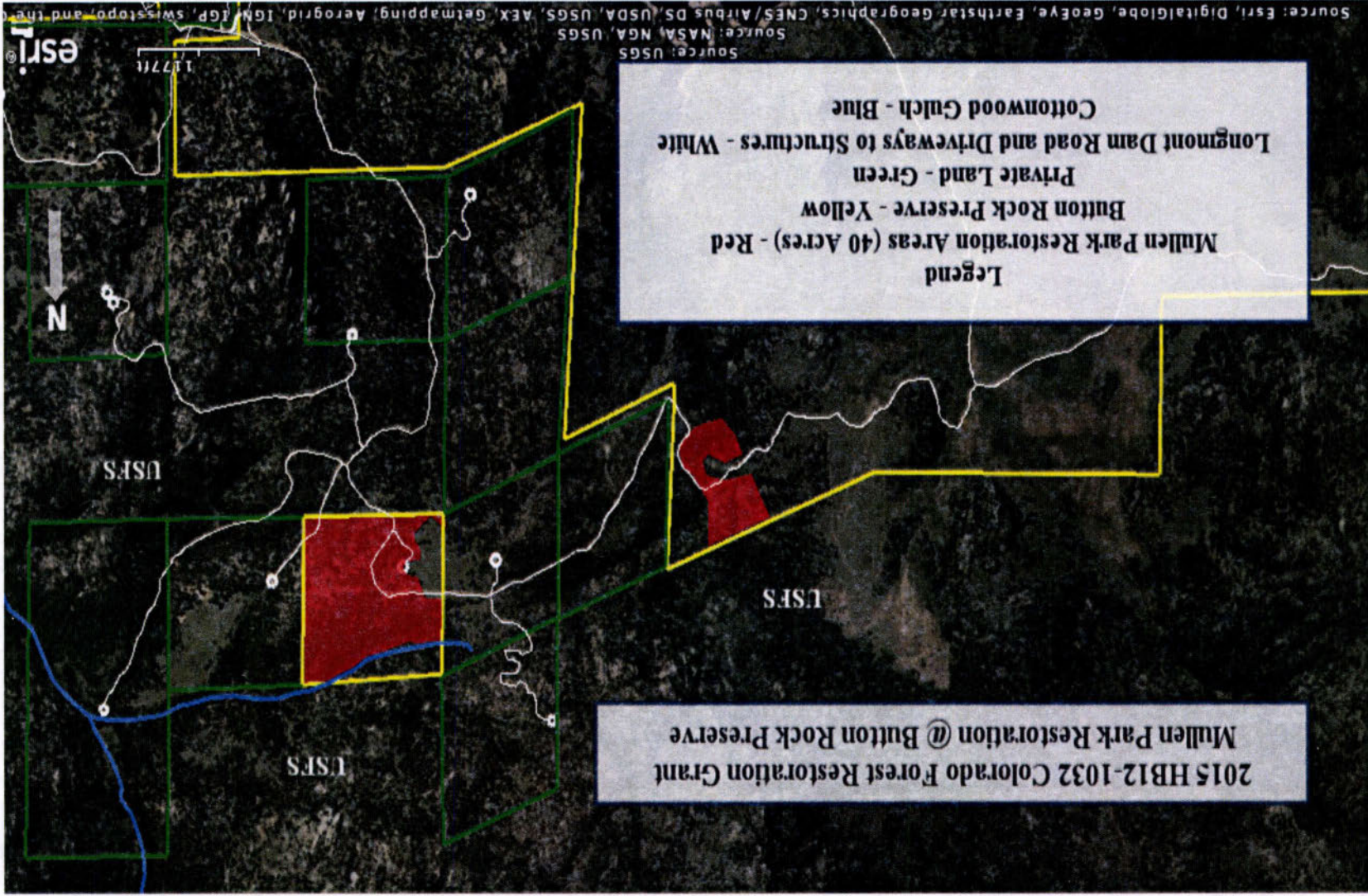


Boulder County Youth Corps



2015 HB12-1032 Colorado Forest Restoration Grant
Mullen Park Restoration @ Button Rock Preserve

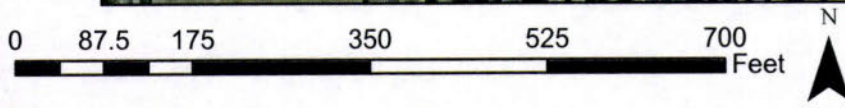
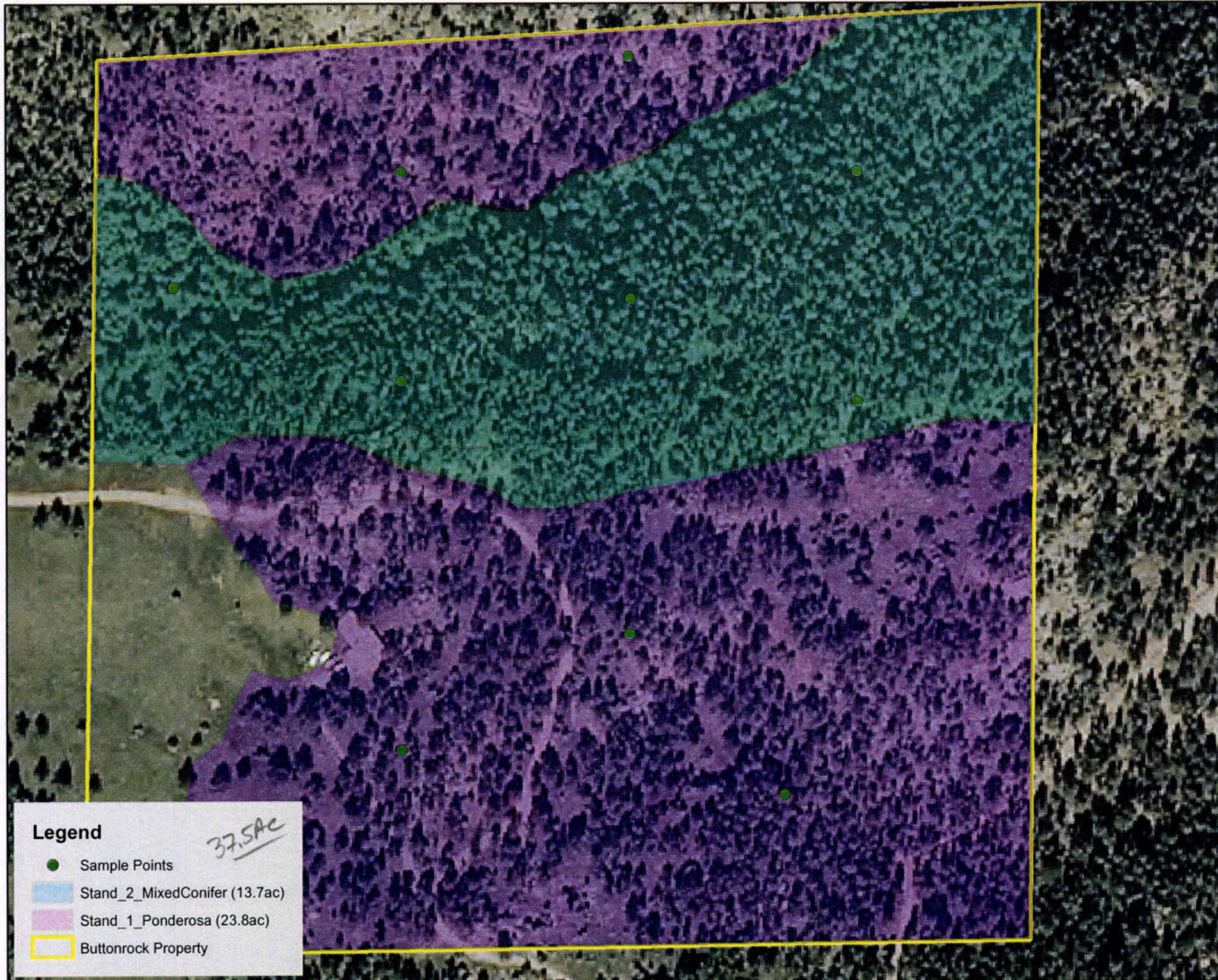
- Legend
- Mullen Park Restoration Areas (40 Acres) - Red
 - Button Rock Preserve - Yellow
 - Private Land - Green
 - Longmont Dam Road and Driveways to Structures - White
 - Cottonwood Gulch - Blue



Source: ESRI, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, IGP, Swisstopo, and the
Source: NASA, NGA, USGS
Source: USGS

KIM Sugar 18 month position
DAN WOLFE

Button Rock Mullen Park Property Inventory



Map Created October 2015
By: CSFS Boulder



Disbursement Voucher ?

Doc Nbr: 13883094	Status: FINAL
Initiator: kmuskopf@colostate.edu	Created: 10:59 AM 11/07/2017

[expand all](#) [collapse all](#)
* required field

[Print Disbursement Voucher Coversheet](#) ?

Document Overview ▼ hide

Document Overview

* Description: '15 HB 12-1032 City of Longmont	Explanation: FINANCIAL ASSISTANCE PROGRAM COOPERATIVE MATCH PROJECT; FOREST RESTORATION GRANT (FRG); HB 12-1032 FY 15 FOREST RESTORATION PROJECT; Project Number 1929900 BO-02. Final Payment. Encumbered with Doc # 8350069, Disencumbered on Doc # 13882766.
Organization Document Number: 5060	

Financial Document Detail

* Bank Code 02 GENERAL DISBURSEMENTS	Total Amount: 40,800.00
--	--------------------------------

Payment Information ▼ hide

Payment Information

* Payment Reason Code: O - Program Obligations	
* Payee ID: 9606-0	
Payee Type: Vendor	* Payee Name: City of Longmont
Invoice Number:	Invoice Date:
* Address 1: 7 S Sunset St	Address 2: Attn Dennis Fischer
* City: Longmont	State: CO
Country: United States	Postal Code: 80501
* Check Amount: 40,800.00	* Due Date: 11/08/2017
Payment Type: Is this a foreign payee: No Is this payee an employee: No Is this an employee paid outside of payroll:	Other Considerations: Check Enclosure: No W-9/W-8BEN Completed
* Payment Method: P - Check/ACH	* Documentation Location Code: AP - Accounts Payable
* Check Stub Text: Landowner Assistance Grant Reimbursement Forest Restoration Grant 1929900 BO-02 FINAL Payment 11-7-2017 Attn: Jamie Freel	

Accounting Lines ▼ hide

Accounting Lines ?

[hide detail](#)

Source	* Chart	* Account Number	Sub-Account	* Object	Sub-Object	Project	Org Ref Id	* Amount	Actions
1	CO Colorado State University	1929900 HB 12-1032 FY15 Forest Restoration Project		6693 Cost Share Reimbursement			BO	40,800.00	
	FRG City of Longmont	Line Description							
								Total: 40,800.00	

Contact Information ▼ hide


Contact Information

* Contact Name: Muskopf, Kristy Lynn
* Phone Number: 970-491-3006
Email Address: Kristy.Muskopf@colostate.edu
Campus Code: MC - CSU Main Campus

[▶ show](#)

- Special Handling ▶ show
- Nonresident Alien Tax ▶ show
- Wire Transfer ▶ show
- Foreign Draft ▶ show
- Non-Employee Travel Expense ▶ show
- Pre-Paid Travel Expenses ▶ show
- Pre-Disbursement Processor Status ▶ show
- General Ledger Pending Entries ▶ show
- Notes and Attachments (1) ▼ hide

Notes and Attachments

	Posted Timestamp	Author	Note Text	Attached File	Notification Recipient	Actions
add:				<input type="button" value="Choose File"/> No file chosen <input type="button" value="CANCEL"/>		<input type="button" value="add"/>
1	11/07/2017 11:09 AM	Muskopf, Kristy Lynn	CSFS Boulder District Grant Reimbursement Request and Supporting Documentation.	 City of Longmont 1929900 BO-02 11-7-2017 \$40,800 Final Payment Doc # 13883094.pdf (2 MB, application/pdf)		<input type="button" value="send"/>

- Ad Hoc Recipients ▶ show
- Route Log ▶ show



FORM 1 of 3

CSFS GRANT AND COST-SHARE PROGRAM REIMBURSEMENT REQUEST

In order for the recipient to receive reimbursement, they must provide documentation supporting their costs and corresponding match. Reimbursement requests must be typed and contain Forms 1-3, receipts for actual costs (out of pocket expenses) incurred by the recipient, and any additional supporting documentation. Other costs and matching funds incurred by the recipient and/or donated by other resources must also be itemized and receipts provided when possible.

1. Make Payment To:

Name: City of Longmont ✓

Attn: Jamie Freel ✓

Address: 7 South Sunset ✓

City, State, Zip: Longmont, Colorado 80501 ✓

2. CSFS Account Number: 1929900-6693 ✓

3. CSFS Account Title: HB 12-1032 FY15 Forest Restoration Project ✓

4. Payment Amount Requested: \$40,800 ✓

5. Project Name: Mullen Park Restoration

6. Project Number: 1929900 BO-02

7. Total Award Amount: \$40,800 ✓

8. Reimbursed Amount to Date: \$0.00

9. Award Beginning Date: December 7, 2015

Award End Date: December 21, 2017 ✓

Payment number 1st 2nd 3rd 4th Final ✓

- 10. a) Reimbursement Request amount cannot exceed Total Award Amount.
b) Reimbursement will only be made if match requirement is met.
c) Reimbursement cannot exceed total project costs incurred by recipient.

Table with 5 columns: A. Remaining Award Amount, B. Reimbursement Requested Amount (recipient cost), C. Match Recipient and non-recipient, D. Total Project Cost, E. Recipient Match Rate (%). Values include \$40,800.00, \$40,800.00, \$41,103.75, \$81,903.75, and 50%.

* Results from Form 3 CSFS Financial Assistance Cost Documentation Worksheet will auto populate the table above. Please review in detail and include all documentation supporting the recipients costs and corresponding match.

FOR INTERNAL USE ONLY
Checked for Federal suspension and debarment (State Office) https://www.sam.gov/portal/public/SAM/
Date: 11-7-2017
Vendor Number: 9606-0
KFS Document Number: 13883094
Approved for Payment: 465 11-2-2017

ENCUMBERED



Colorado State Forest Service Program Payment Request

GRANT PROGRAM (CHECK APPROPRIATE PROGRAM TYPE):	
Forest Restoration Grant (SB71 and HB1199)	X
Volunteer or Rural Fire Assistance (a.k.a.: VFA/RFA)	
Insect and Disease Prevention and Suppression Program	
State Fire Assistance (a.k.a.: SFA)	
Front Range Fuels Treatment Partnership (a.k.a.: FRFTP)	
Stevens Fuels Treatment Funds	
Cooperative Fire Agreement (Active Fire Suppression Cooperators; CRS#R-24-103-206-01)	
Emergency Supplemental Funds (a.k.a.: ESF)	

Checked for Federal suspension and debarment (State Office) <http://www.epls.gov/>

Name: City of Longmont

Address: Attn: Jamie Freel
7 South Sunset
Longmont, CO 80501

The above named has submitted a project application that has been reviewed and approved by the Colorado State Forest Service for funding from Federal Assistance.

Grant Number: 1929900-BO-2

Cooperator Match: \$34,228.75

Approved Funding: \$40,800

Total Project: \$75,028.75

CSFS Account Number: 1929900 – 6693

Amount of Payment: \$40,800

Circle one: **1st Payment** 2nd Payment 3rd Payment **Final Payment**

Approved by 
(Program manager signature)

Date: 11/3/17



EXHIBIT B
CSFS GRANT AND COST-SHARE PROGRAM REIMBURSEMENT REQUEST

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1. Project/Account #: 1929900-BO-2	2. Total Award Amount: \$40,800.00
3. Project Name: Mullen Park Forest Restoration	4. Reimbursed Amount to Date: \$0.00
5. Make Payment To: City of Longmont Name: Attn: Jamie Freel Address: 7 South Sunset Longmont, CO 80501	6. Period of Performance (Project Period): From: December 2015 To: October 2017

7. What has been accomplished? Please provide a description of accomplishments that meet the requirements listed in the project Scope of Work. Please be specific and report numbers such as acres treated, numbers of defensible spaces, tons of, cubic feet or yards of slash collected, number of presentations, number of plans written, etc., for which the award was granted. Attach additional sheets as necessary.

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Grant Recipient Signature:

Jamie Freel (for City of Longmont)

Date: 10/20/2017

10. Certification:

Work meets minimum standards and specifications as set forth by the CSFS in the Scope of Work.

District Forester Signature:

Alfred [Signature]

Date: 10/25/17

11. Funding is available and request is approved for reimbursement.

Program Manager Signature:

Diana Selby

Date: 11/3/17

October 20, 2017

Allen Owen, CSFS boulder District Forester
5625 Ute Highway
Longmont, CO 80503

Re: Final Closeout Report for– Mullen Park Forest Restoration Project #1929900-BO-2

Dear Allen,

This report highlights the forest restoration work performed at the City of Longmont Button Rock Preserve and Watershed for the above referenced grant award. Please consider this report as the "Final Closeout Report" on this project.

Project Timeline:

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Thank you,


Jamie Freel
City of Longmont
Watershed Ranger
Natural Resources
Button Rock Dam and Preserve
303-774-3783
jamie.freel@longmontcolorado.gov



CSFS GRANT AND COST-SHARE PROGRAM REIMBURSEMENT REQUEST

CSFS Financial Assistance Cost Documentation Worksheet

Match				
A. Remaining Award Amount	B. Reimbursement Requested Amount (Recipient Cost)	C. Match Recipient and non-recipient (reimbursable costs that exceed the award amount and meet the scope of work or non-recipient cost donated and used as match)	D. Total Project Cost = B+C	E. Recipient Match Rate = C/D
\$40,800.00	\$40,800.00	\$41,103.75	\$81,903.75	50%

Date	By Whom	Activity/Expense	Hours	Reimbursement	Match	Category
				Value (\$)	Value (\$)	
11/30/16	303 Tree Inc	Mastication and Mechanical thinning of 40 Forested Acres		\$30,060.00	\$20,040.00	Actual Cost
05/03/17	Boulder County Youth Corps	Decking Logs, Slash Piling, and Chip Removal	6 weeks	\$10,740.00	\$16,760.00	Actual Cost
Dec 2015 - Oct 2017	Jamie Freel	Project Management	79.00		\$2,370.00	Salaried Staff
8/1/17 - 9/30/17	Andrew Bobak	Sawyer	12.50		\$193.75	Non-recipient Labor (Match Only)
1/1/17 - 9/30/17	Keith Stagg	Sawyer	31.50		\$913.50	Non-recipient Labor (Match Only)
4/1/17 - 9/30/17	290C CAT Tracksteer	Skid Steer with Grapple and Bucket	21.75		\$826.50	Rented equipment, etc.
Total Project Cost:				\$40,800.00	\$41,103.75	

HB 12-1032 FY 2015 Forest Restoration Grant

Boulder District Project Number 1929900 BO-02 - Account 1929900 G \$40,800

Project Start Date 3/8/15 - Project End Date 10/25/17

Last Updated 11/6/2017

Last Viewed 11/2/2017

Project Progress

Project Name / Cooperator	Project Award	Award Spent	Acres Targeted	Acres Completed
P1 Mullen Park Restoration / City of Longmont	\$40,800	\$40,800.00	40	40

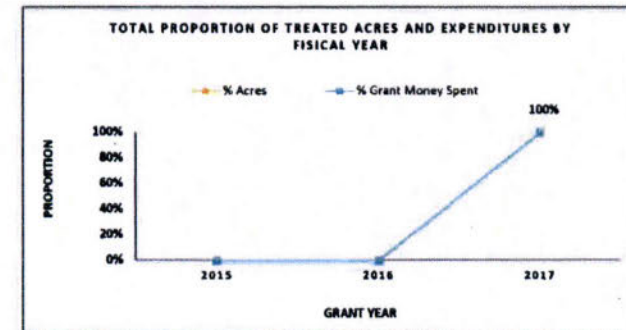
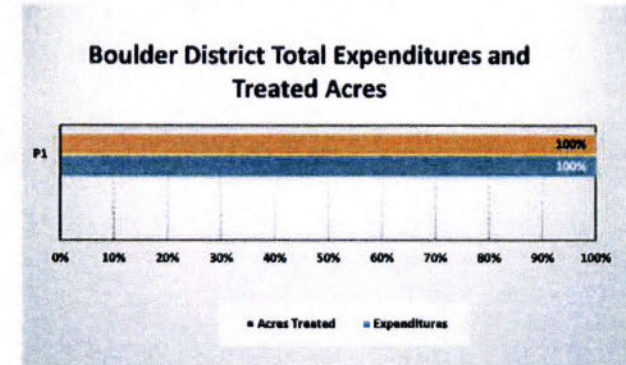
Reimbursements To Date

Cooperator Name	Date	Account	Amount	Acres Treated
City of Longmont	11/6/2017	1929900	\$40,800.00	40

Total Boulder Project Dollars	Project Balance	Total Reimbursements	Total Acres Treated
\$40,800	\$0	\$40,800.00	40

Encumbrance Amount \$0 1929900 G

Additional Accomplishments:



303 Tree Inc
 4949 Broadway #136
 Boulder, CO 80304
 303-585-8541

INVOICE

Customer Number	116693
-----------------	--------

PC#	21602657-00
Invoice #	6023
Date	12/11/2016

City Of Longmont - Water
 Jamie Freel
 350 Kimbark St
 Longmont CO 80501

Job Name	Job Site	Phone	Salesperson	Total Due
Mullen Park 20160907	Button Rock Preserve	303-823-8060	Ehren Weiss	\$50,100.00

Line	Item	Service Description	Completed	Price
1	See Service Description	(Item #1 See Service Description) Forestry 9 Acres as identified on site map. It's projected that mastication equipment will be able to access 3-4 acres of this unit. Within the machine accessible acres we will masticate all trees smaller than 6" diameter and will take out some larger trees where necessary to gain equipment access or to obtain a clumpy mosaic pattern of retained trees. In the remaining 5 to 6 acres of hand cutting we will lop and scatter all trees smaller than 6" diameter. It's understood that there are several large areas within this unit (specifically the North East corner) that do not have any trees larger than 6" diameter and this treatment will result in the clearing of all trees within these isolated and sometimes steep and inaccessible spots. Our goal is to complete this unit right away before snow prevents access to this north facing unit.	11/30/2016	\$16,600.00
2	See Service Description	(Item #2 See Service Description) Forestry 19 acres as identified on sitemap. All marked trees will be removed. Junipers and small trees where machine accessible will be masticated. Larger trees will be felled, logs decked and tops chipped. 1-2 acres in the South East corner of this unit will be inaccessible to equipment and will be lop and scattered. This proposal includes the climbing and rigging of one tree off the North East corner of the house, careful felling of trees around the powerlines, and careful work near "burned" communications lines. Our goal within this unit is to deliver a superior finished product as it is highly visible from the road.	11/30/2016	\$33,500.00

Subtotal: \$50,100.00
 Total: \$50,100.00

Thank you,
 Ehren Weiss

APPROVED
 FOR P. A.
 Pg # 21602657
 12-13-16
 Jamie Freel



Boulder County
 Financial Services
 PO Box 471
 Boulder, CO 80306

INVOICE

Customer Number: C00103
 Invoice Number: 15136
 Invoice Date: 05/03/17
 Terms: DUE UPON RECEIPT

To: City of Longmont
 350 Kimbark
 Longmont, CO 80501

Transaction Date	Description	Account	Amount
05/03/17	CITY OF LONGMONT YOUTH CORPS	2795000 53580	27,500.00

APPROVED
 FOR PAYMENT
 05-10-17
Jamie Ford

RECEIVED
 MAY 10 2017
 ACCOUNTS PAYABLE
 CITY OF LONGMONT

Total Due 27,500.00

Please call Shelly in Resource Conservation @ 720-564-2243 will questions regarding this invoice.

PLEASE RETURN THIS PORTION WITH YOUR PAYMENT

Please make checks payable to
Boulder County
 Attn: Financial Services
 PO Box 471
 Boulder, CO 80306

Customer Number: C00103
 Invoice Number: 15136
 Invoice Date: 05/03/17
 Total Amount Due \$ 27,500.00 ✓

Total Payment \$ _____

Mullen Park Forest Restoration Project 2016/17

TIMECARD

Employee		Miscellaneous								
Name	Jama Frost ✓	Emp #	Project Manager/Lawyer/Heavy Equipment Operator							
Position	Project Manager	SSN								
Department	Longmont Natural Resources	Manager	David Bell							
Pay Period										
From	12/20/2015	To	10/9/2017							
Account Description	Account Code	M	T	W	Th	F	Sa	Su	Total Hours	
December 2015	330556	3.00							3.00	
July 2016	330556	1.00							1.00	
August 2016	330556	2.00							2.00	
September 2016	330556	11.50							11.50	
October 2016	330556	1.00							1.00	
November 2016	330556	5.00							5.00	
December 2016	330556	17.50							17.50	
January 2017	330556	4.50							4.50	
February 2017	330556	7.75							7.75	
April 2017	330556	6.00							6.00	
May 2017	330556	3.00							3.00	
June 2017	330556	2.25							2.25	
August 2017	330556	6.50							6.50	
September 2017	330556	2.00							2.00	
October 2017	330556	6.00							6.00	
Total Hours		79.00							79.00	
									Total Overtime Hours	

Notes and Remarks
 Employee salary pay rate \$30 / hr, period costs \$2,370. X

Office Use Only

Mullen Park Forest Restoration Project 2016/17

TIMECARD

Employee		Miscellaneous								
Name	Andrew Bobak ✓	Emp #	Sawyer/Heavy Equipment Operator							
Position	Sawyer/Equipment Operator	SSN								
Department	Longmont Natural Resources	Manager	Jama Frost							
Pay Period										
From	8/1/2017	To	9/30/2017							
Account Description	Account Code	M	T	W	Th	F	Sa	Su	Total Hours	
August 2017	330556	6.50							6.50	
September 2017	330556	5.00							5.00	
Total Hours		12.50							12.50	
									Total Overtime Hours	

Notes and Remarks
 Employee salary pay rate \$15.50 / hr, period costs \$193.75. X

Office Use Only

Employee			Miscellaneous						
Name	Keith Stagg ✓	Emp #	Sawyer/Heavy Equipment Operator						
Position	Sawyer/Equipment Operator	SSN							
Department	Lungmont Natural Resources	Manager	Jarvis Frest						

Pay Period From 1/1/2017 To 9/30/2017

Account Description	Account Code	M	T	W	Th	F	Sa	Su	Total Hours
January 2017	330556	2.50							2.50
February 2017	330556	8.00							8.00
March 2017	330556	4.00							4.00
May 2017	330556	4.50							4.50
June 2017	330556	5.00							5.00
August 2017	330556	3.50							3.50
September 2017	330556	4.00							4.00
Total Hours		31.50							31.50
									Total Overtime Hours

Notes and Remarks
 Employee salary pay rate \$29 / hr; period costs \$913.50. X

Office Use Only

Employee			Miscellaneous						
Name	CAT 290 Tractor ✓	Emp #							
Position		SSN							
Department	Lungmont Natural Resources	Manager	Jarvis Frest						

Pay Period From 4/1/2017 To 9/30/2017

Account Description	Account Code	M	T	W	Th	F	Sa	Su	Total Hours
April 2017	330556	8.00							8.00
May 2017	330556	3.00							3.00
June 2017	330556	2.25							2.25
August 2017	330556	6.50							6.50
September 2017	330556	4.30							4.30
Total Hours		21.75							21.75
									Total Overtime Hours

Notes and Remarks
 Equipment operation cost \$38 / hour; period costs \$826.50. X

Office Use Only

Financial Assistance Program
Cooperative Match Project
COLORADO FOREST RESTORATION GRANT

To be conducted by:

City of Longmont

Funding Provided by CSFS:	\$40,800
Minimum Recipient Match:	\$27,200
Project to be Completed by:	October 25, 2017
Documentation due to District Office by:	November 8, 2017
Documentation due to State Office by: (submitted and signed by District Forester)	December 5, 2017

Based on the strength of the *Mullen Park Restoration* application submitted by City of Longmont the Colorado State Forest Service is providing funding in the amount up to but not exceeding **\$40,800** to accomplish the project described in the attached scope of work, Exhibit A, and the Plan of Operations.

As the cooperator, the City of Longmont will be reimbursed for costs incurred in implementing the project up to the amount listed above once the following requirements are met:

- A. Complete all work as described in *enclosed EXHIBIT A, scope of work.*
- B. Complete all work as described in *enclosed Plan of Operations.*
- C. Provide appropriate cost documentation with *Form D, CSFS Financial Assistance Cost-Share Program Reimbursement Calculation Worksheet*, and *Exhibit B, CSFS Reimbursement Request Form* to reflect that project funds have been matched at amount stated in proposal which is at a minimum rate of 40%. Your required minimum match is listed above. *See notification letter if project is completed under budget.*

Complete and submit cost documentation through your local CSFS District Office for periodic and final grant reporting and reimbursement requests using the forms provided, as needed, as well as a Final Closeout Report that provides details on expenditures and accomplishments as a result of this project. Submission to:

Colorado State Forest Service
Attn: Allen Owen, District Forester
Boulder District
5625 Ute Hwy
Longmont, CO 80503

As a representative of the cooperator, I have read and understand the conditions of participating in this cooperative match project.

Cooperator Signature:

Date:

City of Longmont
Mailing Address:

Attn: Jamie Freel
7 South Sunset
Longmont, CO 80501

Telephone Number:

303-823-6060

Email Address:

jamie.freel@longmontcolorado.gov

EXHIBIT A
COLORADO FOREST RESTORATION GRANT
SCOPE OF WORK

Cooperator: City of Longmont

Work to be completed: The 40 acres will be treated according to the Scope of Work as proposed in the project application and according to the standards, specifications, and milestones outlined in the enclosed approved Plan of Operations.

Standards or Guidelines: Will meet CSFS guidelines or other approved professional resources appropriate for treatment. Will comply with standards in Colorado Forest Stewardship Guidelines to Protect Water Quality: Best Management Practices. All CSFS guidelines and/or other approved professional resources applied for treatment, and any other best management practices utilized will be indicated within the Plan of Operations.

Project Period: December 9, 2015 to October 25, 2017

Funded Amount: \$40,800

Minimum cooperator match: \$27,200

All work completed under this project must be certified as meeting minimum Colorado State Forest Service standards prior to any reimbursement being made to the cooperator. Form D entitled *CSFS Financial Assistance Cost-Share Program Reimbursement Calculation Worksheet* and Exhibit B entitled *CSFS Reimbursement Request Form* will be the document used to both request reimbursement and to certify that work has been completed to minimum standards.

Intermittent requests for reimbursement are permitted and must be accompanied by intermittent project accomplishments. Final requests for reimbursement must be accompanied by a final closeout report depicting total project accomplishments. Minimum reporting items:

- Accomplishments: examples include (quantified: # acres treated; # miles of fuelbreak; # of defensible spaces implemented; # of presentations with # of participants).
- Summary of Youth Corps participation, if applicable—this includes crew size, duration of participation, activity.
- Summary of project costs
 - Summary of actual costs, which are eligible for reimbursement, such as
 - Out-of-pocket expenses
 - Youth Corps
 - Award recipient labor(This is a sample of actual costs eligible for reimbursement and not an all-inclusive list. See page 2 of Form D for more examples)
 - Summary of costs not eligible for reimbursement, such as
 - Volunteer labor
 - Equipment purchases(This is a sample of costs not eligible for reimbursement and not an all-inclusive list. See page 2 of Form D for more examples)
- Digital before and after photos submitted electronically. Please do not embed tiff or jpg files into other documents or files.
- Electronic map and GIS data—local CSFS District Office must have necessary data to report map, or geospatial data, of project area.

Initials:

**Colorado
State**
FOREST
SERVICE

Colorado State University
Fort Collins, Colorado 80523-5060
(970) 491-6303
FAX: (970) 491-7736

December 7, 2015

Jamie Freel
City of Longmont
7 South Sunset
Longmont, CO 80501

Dear Jamie,

I am pleased to inform you that your application for the 2015 Colorado Forest Restoration Grant Program, established by the General Assembly through 2012 House Bill 1032, has been selected for a financial assistance grant. We would like to offer you **\$40,800** in state grant funds to support your project titled **Mullen Park Restoration**.

All projects that involve on-the-ground forest management will comply with *Forestry Best Management Practices to Protect Water Quality in Colorado (2010)*, which are available on the Colorado State Forest Service (CSFS) website at <http://csfs.colostate.edu/pdfs/ForestryBMP-CO-2010.pdf>. An equally or more stringent best management practice is permitted and must be indicated on your Plan of Operations. If you have any questions about this, please contact your CSFS District Forester using the information provided below.

The amount being offered to you may be less than you requested in your project proposal. If you cannot complete the project with the reduced amount, please notify me immediately at (970) 491-6303. This grant program requires at least a 40% match of non-state funds. Other state funds are eligible to be used as match as long as the cumulative state share of the total project cost does not exceed 60%. You are required to provide at least the amount of match as stated in the Financial Assistance Program Cooperative Match Project notification and Exhibit A, Scope of Work, unless your project is completed under budget. Match amount is either as indicated in your proposal or adjusted proportionately if your project is partially funded. For projects completed under budget the required match amount may be reduced proportionately to the reduced award amount reimbursed. The award amount may be adjusted for projects completed under budget.

If you cannot leverage the required amount of match, the award will either be adjusted or rescinded. Again, please contact us immediately if you have a question about your ability to match the offered award.

Additionally, if your project application indicated employing a Colorado Youth Corps or another accredited youth corps association, you are required to incorporate them in the implementation of your project.

If you are able to go forward with your project using the award offered, please see the two enclosed documents. Each of these documents will need immediate action from you in order to initiate project implementation:

1. Financial Assistance Program Cooperative Match Project notification: After you read the notification, and if you agree with the conditions of participation, please sign and date. Be sure to retain a copy for your records.
2. Exhibit A, Scope of Work: After you have read Exhibit A, and if you agree with the conditions of participation, please initial and date. Be sure to retain a copy for your records

Please return the original signed copy of Project Notification and the original initialed copy Scope of Work **no later than December 21, 2015** to:

Naomi J. Marcus, Assistant Staff Forester
Forest Management Division
Colorado State Forest Service
5060 Campus Delivery, CSU
Fort Collins, CO 80523

Included within this award notification package are the cost documentation procedures and forms. Since these forms can be completed electronically, upon your acceptance of and CSFS receipt of the returned project award notification and Exhibit A, Scope of Work, you will receive the following cost documentation items electronically:

1. Detailed reimbursement procedures for proper documentation of accomplishments and project costs. This will include a list of items that are eligible for reimbursement and items not eligible for reimbursement.
2. Exhibit B, *CSFS Grant and Cost-Share Program Reimbursement Request*: Retain this form and use it to request reimbursement for qualifying project expenses. You may make additional copies if needed.
3. Form D, *CSFS Financial Assistance Cost-Share Program Reimbursement Calculation Worksheet*: Retain this form to document the summary of actual costs and/or values of labor, equipment use and supplies that contributed to the completion of this project. Other formats to outline cost documentation may be used; be sure to

acquire approval from your CSFS District Forester for an alternative format. If other formats are used to document time, activities and expenses, use Form D to summarize and calculate the expenses, activities, and other contributions.

Reimbursement will be made for actual costs, not to exceed the award amount specified on your project notification, with consideration of the required match and accomplishments. The amount requested for reimbursement may not exceed 60 percent of the total project cost for the reimbursement period. Remember that your match for the total project cost of the project period must meet the required cost-share as accepted in your Project Notification and Scope of Work (e.g. if you proposed to provide 65% match, intermittent and final reimbursement requests should indicate at least 65% match of the total project cost for the given project period).

These grant funds may not be used to purchase capital equipment (individual items costing more than \$5,000.00). The appropriate volunteer labor rate to be applied will be the current rate at the time of the reimbursement request.

We require strict documentation. Please be advised your payments will be based on achieving the specifics proposed in your grant as reiterated on Exhibit A, Scope of Work, including treatment of the full quantity of acres as defined in your grant application, as well as according to the details specified on the Plan of Operations. This award may be considered as income by the IRS. Please check with your tax advisor if appropriate.

As part of the Colorado Forest Restoration Grant program, we require you to provide a Final Closeout Report at the time of requesting your final reimbursement including the following items:

- Accomplishments: examples include (quantified: # acres treated; # miles of fuelbreak; # of defensible spaces implemented; # of presentations with # of participants).
- Summary of Youth Corps participation, if applicable—this includes crew size, duration of participation, activity.
- Summary of project costs (indicate who contributed how much to do which activity/effort)
 - Summary of actual costs, which are eligible for reimbursement, such as
 - Out-of-pocket expenses
 - Youth Corps
 - Award recipient labor(This is a sample of actual costs eligible for reimbursement and not an all-inclusive list. See page 2 of Form D for more examples.)
 - Summary of costs not eligible for reimbursement, such as
 - Volunteer labor
 - Equipment purchases(This is a sample of costs not eligible for reimbursement and not an all-inclusive list. See page 2 of Form D for more examples.)
- Digital before and after photos submitted electronically. Please do not embed tiff or jpg files into other documents or files.

- Electronic map and GIS data—local CSFS District Office must have necessary data to report map of project area.

When you are ready for intermittent reimbursement, or to close out your project and claim final reimbursement, please submit an Exhibit B, Form D, and additional cost documentation (i.e. receipts, invoices, etc.) to your CSFS District Forester who will certify that the work is complete and the documentation is adequate. Certification by the District Forester will require a site visit to the project location. Once the accomplishments and cost documentation are approved, the District Forester will then forward Exhibit B, Form D, and other accompanying documentation to the CSFS state office for processing.

Projects must be completed and certified by your CSFS District Forester no later than close of business on **October 25, 2017**. Your final reimbursement request with your signature, cost documentation and Final Closeout Report must be received by the CSFS District Forester no later than **November 8, 2017**. CSFS District Foresters must sign and submit the original reimbursement request, cost documentation and approved Final Closeout Report to the Forest Restoration Grant program manager, Naomi Marcus, no later than **December 5, 2017**.

The final 10% of the award amount will not be released until (1) the project is complete according to Scope of Work and Plan of Operations, (2) appropriate BMPs are applied, and (3) the Final Closeout Report is received and accepted. Your thoroughness in providing complete documentation will help expedite the reimbursement process.

For future reference, your CSFS District Forester is Allen Owen. You can reach him at (303) 823-5774 or allen.owen@colostate.edu.

Thank you for your interest in improving the health and sustainability of Colorado's forests and communities!

Sincerely,



Naomi J. Marcus
Assistant Staff Forester

Enclosures

cc: Allen Owen

Owen Jr,Allen

From: CSFS FMD
Sent: Tuesday, September 29, 2015 11:06 AM
To: jamie.freel@longmontcolorado.gov
Cc: Owen Jr,Allen
Subject: 2015 Forest Restoration Grant Pre-Award Notification
Attachments: Plan of Operations detailed worksheet_Updated20150918.docx

Congratulations!

Your 2015 Colorado Forest Restoration Grant project has been approved for full funding.

Project Name: **Mullen Park Restoration Project**

Award Amount: \$40,800

Treatment Area: 40 acres

This notification is not your green light to initiate implementation. However, at this time you are to meet with your local CSFS District Forester for a pre-implementation meeting to (1) develop your detailed project Plan of Operations, (2) discuss the documentation and payment request procedures, and (3) any other questions you may have regarding your project or this grant program.

District Forester: Allen Owen

Phone: 303-823-5774

Email: allen.owen@colostate.edu

Once the Plan of Operations is completed and approved by the Boulder CSFS District, the CSFS District will submit the project plans electronically to me no later than October 15. As soon as I receive the Plan of Operations, I will prepare and send you the official award notification via postal service.

You may initiate project implementation as soon as you return to me the signed award notification as instructed within the notification cover letter.

I anticipate the project period to terminate around October 2017.

Please remember that any efforts, activities, and expenses prior to the official award notification are not eligible for reimbursement or match.

Please let me know if you have any questions about this project or this process.

Thank you,

Naomi Marcus

2015 Forest Restoration Grant Screening Tool

Project & Applicant Name	Rank
Mullen Park Restoration-City of Longmont, Buttonrock Watershed	1

1. Map included

- Yes
- No

Comments (Beyond what applicant indicates and based on what you already know roughly, how does project inter-relate/connect with other projects within close proximity of proposed project area?):

Fuel treatments on the City's watershed are regularly scheduled on an annual basis; either Restoration or SFA funding has been used since 2004, nearly 600 acres have been treated to date, following the recommendations as outlined in the Buttonrock Forest Stewardship plan. This is a critical watershed and provider for over 100K users. The treatment unit(s) is a newly acquired parcel which is adjacent to two Forest Ag Tax parcels on which active forest management activities are occurring.

2. Cost-share rate—minimum 60:40 (evaluate award amount and matching share; CSFS is not an eligible matching contributor)

- Yes
- No

Comments:

3. CWPP

- Yes
- No

Comments:

The Forest Management Plan is used as the City's CWPP for the watershed, as it includes a prioritized schedule for fuels treatment in a fire dependent ecosystem (Big Elk Fire burned 4400 acres adjacent to watershed), included collaboration at the time of preparation and defensible space.

4. Addresses water supply protection

- Yes
- No

Comments:

Water supply includes Ralph price Reservoir, Buttonrock Dam, Longmont Dam & Reservoir, North St. Vrain River and all associated infrastructure.

5. Includes an ecological assessment of current conditions

Yes

No

Comments:

In FMP

6. Firewise Community/USA (confirm accuracy)

Yes

No

7. Scope of Work/Prescription appropriate for project area? Does it meet relevant forest restoration objectives?

Yes, although Block 7 (current conditions) doesn't provide detail, the silvicultural treatments are very well detailed in the FMP and historical treatments implemented closely follow recommendations

8. Forest product utilization (verify plans, product, end-user, etc.)

I can verify that nearly all of forest products harvested from past treatments do indeed go towards and is used as firewood for the local community of Lyons, private landowners and a few of the small businesses.

9. Performance History (successful completion by deadlines, extensions, BMPs, previous award recipient, additional projects in progress, etc.)

Very good track record with meeting grant deadlines; follow BMPs. Forest management activities are nearly continuous/year round. Projects always utilize Boulder County/Longmont Valley Youth Corp.

10. Additional Comments

The City of Longmont's primary watershed was heavily impacted by the Flood of 2013. Their focus has been to restore the watershed and bring the infrastructure back on line. They recognize the importance of developing a resilient landscape, and forest management is one of the key practices they continue to implement. The flood 'slowed them down', requesting one grant extension due to a contractor unable to access the site and their equipment. I strongly support this application for funding assistance.



**2015 HB12-1032
Colorado Forest
Restoration Grant
Program**

FOR STATE OFFICE USE ONLY		Project #
Entity Submitting Project:		
County:		
Acres:		
Dollar Amount Requested:	!Undefined Bookmark, TEXT59	
Matching Share:	\$27,200	

USE RFA APPLICATION INSTRUCTIONS TO COMPLETE APPLICATION

Applicant Information	
1	Name of Project: Mullen Park Restoration Applicant/Fiscal Agent: City of Longmont Contact Person: Watershed Ranger Jamie Freel Address: 7 South Sunset City/Zip Code: Longmont, Co 80501 Phone (Work/Cell): 303-823-6060 Email: jamie.freel@longmontcolorado.gov

Community-at-Risk Information	
2	Community Name: Button Rock Preserve County: Boulder Name of CWPP(s): Button Rock Preserve Forest Stewardship Plan

Matching Contributions							
<p>(Applications will be disqualified if sufficient match is not identified.) Please specify the name of each contributor and the dollar amount of each contribution. Non-state contributions must equal at least 40 percent of total project cost. Please DO NOT show grant-requested funds in this table. This is for matching share only, which is a minimum of 40 percent of total project cost.</p>							
3	Contributors: (Please specify)	City of Longmont					TOTAL
	Dollars (Hard Match):	\$22,200	\$0	\$0	\$0	\$0	\$22,200
	In-Kind (Soft Match):	\$5,000	\$0	\$0	\$0	\$0	\$5,000
	TOTAL:	\$27,200	\$ 0	\$ 0	\$ 0	\$ 0	\$27,200

	Total Project Budget	Grant Share \$ Amount requested	Match (carry from block three above)		TOTAL
			Dollars	In-Kind	
4	Personnel / Labor:	\$0	\$0	\$2,000	\$2,000
	Supplies/Materials:	\$0	\$0	\$2,000	\$2,000
	Contractual Services:	\$40,800	\$22,200	\$0	\$63,000
	Administrative/overhead expenses:	\$0	\$0	\$1,000	\$1,000
	TOTAL:	\$40,800	\$22,200	\$5,000	\$68,000

Budget Narrative

All information for the project must fit into the allotted character space provided below.
Attachments will not be considered by the review committee. **Characters include letters, numbers, spaces and punctuation.**

5 Provide a brief description explaining exactly how the grant dollars will be spent and how these expenditures tie directly to the projects goals and objectives. **500 characters**

Contractual costs of \$63,000 will provide payment to awarded contracted sawyers for thinning operations.

Pesonnel/Labor costs of \$2,000 will consist of temporary forest technician wages for boundary and timber marking, slash and small log piling.

Supplies costs of \$2,000 include timber marking paint, chain saws, fuel and PPE.

Administrative costs of \$1,000 go to project manager wages to oversee execution of grant.

Project Summary (check all that apply and answer related questions)

Is this project based on an ecological assessment of current conditions? Yes No

Select which Firewise Community/USA this project is located within drop down list.

Not Applicable

Will the implementation of this project involve a contract with the Colorado Youth Corps Association or another accredited Colorado youth corps? Yes No

List the communities directly affected by this project: Longmont, Lyons, Rural Boulder County Residents

Project location (latitude/longitude or legal description): SW 1/4 SW 1/14 8-3N-71

Number of acres to be treated:	40	Estimated cost/acre:	\$1,700.00
--------------------------------	----	----------------------	------------

6 Project Objectives (check all that apply) Any box checked "yes" needs to be further explained in proposal, and documented and implemented to receive grant reimbursement. See request for proposal-application instructions.

Reducing threat of large, high-intensity wildfires and the negative effects of excessive competition between trees by restoring ecosystem functions, structures, and species composition, including the reduction of non-native species. Yes No

Preserving old and large trees to the extent consistent with ecological values and science. Yes No

Replanting trees in deforested areas, if such areas exist in the project area. Yes No

Improving the use of, or adding value to, small diameter trees. Yes No

Forest Product Utilization

All information for the project must fit into the allotted character space provided below.

Attachments will not be considered by the review committee. **Characters include letters, numbers, spaces and punctuation.**

Specify the forest product utilization plan. Include the product(s) and the plan to harvest and remove from defined project area. All participating landowners need to approve harvesting plans.

500 characters

10

The forestry restoration crew that wins the contract for the project will have first right to remove cut timber from the area for firewood or construction use.

Then other local business will be contacted to take timber for firewood or construction use.

Any remaining cut trees and forest products may be hauled to the local free firewood collection area.

Project Timeline

All information for the project must fit into the allotted character space provided below.

Attachments will not be considered by the review committee. **Characters include letters, numbers, spaces and punctuation.**

Provide a timeline for the project, including significant accomplishment milestones during the project period. Reserve project maintenance activities and milestones for Box 13 Maintenance Sustaining Project Longevity. 500 characters

11

January 2016: Identify and make forest restoration area.

February 2016: Mark trees for removal. Contract with Boulder County Youth Corps.

March 2016: Prepare contract with timber thinning contractor.

April-October 2016: Complete forest restoration efforts on the 40 acre Mullen Park area.

June 2017: Boulder County Youth Corps removes or decks logs and piles slash.

Collaboration

All information for the project must fit into the allotted character space provided below.

Attachments will not be considered by the review committee. **Characters include letters, numbers, spaces and punctuation.**

Specify the private, local, tribal, county, state, federal and/or non-governmental (501c3) organizations that participated in the design of this project, and describe how such partners will contribute to, or participate in, the project's implementation. Specify the role of any Youth Conservation Corps that will participate in project implementation. 1,000 characters

12

Community participants on this project will include the Boulder County Youth Corps and the Longmont Natural Resources Volunteer Corps to assist with log decking or removal, slash piling and lop and scattering.

Neighboring private land holders with forest thinning projects may coordinate with the removal of forest products to the local free firewood collection area.

Protection of Water Supplies

All information for the project must fit into the allotted character space provided below.
Attachments will not be considered by the review committee. **Characters include letters, numbers, spaces and punctuation.**

Describe how the proposed project will contribute to the protection of water supplies, such as water quality, water quantity, and/or associated infrastructure. Include the proximity to water source and/or infrastructure, as well as the significance of water supply/infrastructure and extent of impact to communities. 700 characters

8 Ralph Price Reservoir, Button Rock Dam, North St. Vrain Creek, Longmont Reservoir, Longmont Dam, Longmont Hydro-electrical plant and multiple water treatment facilities are all located downstream of the proposed forest restoration area. This watershed protects water for over 100,000 users in multiple municipalities, towns and rural areas and represents one-third of the St. Vrain region's raw water supply.
The project will help to reduce the amount of undesirable soil erosion, timber debris and uncontrolled storm runoff and also will help aid the natural water filtration that occurs in the watershed.

Scope of Work/Prescription

All information for the project must fit into the allotted character space provided below.
Attachments will not be considered by the review committee. **Characters include letters, numbers, spaces and punctuation.**

Provide a scope of work that defines the project prescription. Describe what will be accomplished and measurements to define project completion. Describe the scientific foundation for the project, specifically the practice standards that will be applied (e.g. forest management plan, CWPP, professional publications, other professional technical resources, professional foresters or other natural resources professionals). 1,800 characters

9 The Project will follow the standards of the Button Rock Preserve Forest Stewardship Plan (2003). The City of Longmont will identify the boundary of the area to be thinned, mark trees to remove achieving a residual target tree canopy average of 35%, assist in project implementation, and manage the restoration project with in-kind employee labor match and in-kind equipment use. The City of Longmont will contract with current city contractor to perform mechanized or hand thinning, and slash chipping and piling, using grant funding and 60/40 City of Longmont cash match. Cut logs will be stacked, chipped or hauled off the project site. Slash will be lopped and scattered to a height not to exceed 12 inches and cover no more than 50% of the ground in any one area.
All aspects of the work will follow the Best Management Practices to Protect Water Quality in Colorado (2010).

Project Area Description

All information for the project must fit into the allotted character space provided below.

Attachments will not be considered by the review committee. **Characters include letters, numbers, spaces and punctuation.**

Provide an overview of the project and its outcomes as related to the grant purpose criteria, and the need or purpose for the project. Address the project area by specifying the size (i.e. acreage) of project and land ownerships involved (e.g. private, county, state, federal, etc.), as well as adjacent land ownerships. Include information on the relevant watershed. Describe how this project supports and implements Colorado's State Forest Action Plan (consider overarching strategies, theme specific strategies, and tactics). Submit a single one-page map of the project area.

1,750 characters

The project area is 40 acres of forest located within the boundary of the City of Longmont's Button Rock Preserve which was created to protect the North St. Vrain watershed as a source of clean water for its water customers. The project is also adjacent to private land owners, Boulder County Open Space and USFS properties.

This project area has been identified with the Colorado State Forest Action Plan with a VERY HIGH ranking on the theme map 'Enhance Public Benefits from Trees and Forests.

The project will improve forest health and provide pre-wildland fire mitigation by removing selected understory pine, fir and juniper within a forested municipal watershed which supplies raw water to the City of Longmont, Town of Lyons and downstream agricultural users

7

Current Conditions

All information for the project must fit into the allotted character space provided below.

Attachments will not be considered by the review committee. **Characters include letters, numbers, spaces and punctuation.**

Describe the current forest conditions (i.e. species composition, density, health, etc). Seek technical assistance from the CSFS, or other natural resource or forestry professional, and/or the publication that provides the ecological assessment for your project area. 700 characters

The current forest condition is overly dense with growths of pine, fir and juniper that have very a very tight canopy especially along the drainages, roadway and utility lines.

Lack of forest treatment and wildland fire has created the choked, unhealthy ecosystem that now exists in the project area.

This overgrowth has also contributed to the proliferation of pine bark beetle and mistletoe parasites in the project area.

Maintenance Sustaining Project Longevity

All information for the project must fit into the allotted character space provided below.

Attachments will not be considered by the review committee. **Characters include letters, numbers, spaces and punctuation.**

13

Identify the long-term benefits of the project. Clearly specify the plans to sustain the long-term benefits of the project beyond project completion. Who, What, How, When? 500 characters

The City of Longmont is committed to the long-term care of the Ralph Price Reservoir/Button Rock Dam watershed. The City has set standards to achieve forest restoration goals on 2,000 forested acres lined out in the Button Rock Preserve Forest Stewardship Plan (CWPP) which was created in 2003. The City of Longmont budgets for and employs a staff forester and Watershed Ranger to inspect and collaborate on forest resource management and to then prioritize the annual work plans for future projects.

Agreement Statement

14

Do you agree to the awarding process and reporting requirements as outlined in the Request for Applications?

Yes No

ALL INFORMATION MUST FIT INTO THE BOXES PROVIDED. ATTACHMENTS, OTHER THAN THE REQUIRED MAP, AND/OR MODIFICATIONS WILL NOT BE CONSIDERED BY THE COMMITTEE.

**Financial Assistance Program
Cooperative Match Project
COLORADO FOREST RESTORATION GRANT**

To be conducted by:

City of Longmont

Funding Provided by CSFS:	\$40,800
Minimum Recipient Match:	\$27,200
Project to be Completed by:	October 25, 2017
Documentation due to District Office by:	November 8, 2017
Documentation due to State Office by: (submitted and signed by District Forester)	December 5, 2017

Based on the strength of the *Mullen Park Restoration* application submitted by City of Longmont the Colorado State Forest Service is providing funding in the amount up to but not exceeding **\$40,800** to accomplish the project described in the attached scope of work, Exhibit A, and the Plan of Operations.

As the cooperator, the City of Longmont will be reimbursed for costs incurred in implementing the project up to the amount listed above once the following requirements are met:

- A. Complete all work as described in *enclosed EXHIBIT A, scope of work.*
- B. Complete all work as described in *enclosed Plan of Operations.*
- C. Provide appropriate cost documentation with *Form D, CSFS Financial Assistance Cost-Share Program Reimbursement Calculation Worksheet*, and *Exhibit B, CSFS Reimbursement Request Form* to reflect that project funds have been matched at amount stated in proposal which is at a minimum rate of 40%. Your required minimum match is listed above. *See notification letter if project is completed under budget.*

Complete and submit cost documentation through your local CSFS District Office for periodic and final grant reporting and reimbursement requests using the forms provided, as needed, as well as a Final Closeout Report that provides details on expenditures and accomplishments as a result of this project. Submission to:

*Colorado State Forest Service
Attn: Allen Owen, District Forester
Boulder District
5625 Ute Hwy
Longmont, CO 80503*

As a representative of the cooperator, I have read and understand the conditions of participating in this cooperative match project.

Cooperator Signature:

Dennis L Cooner

Date:

2/10/2016

City of Longmont

Mailing Address:

Attn: Jamie Freel
7 South Sunset
Longmont, CO 80501

Telephone Number:

303-823-6060

Email Address:

jamie.freel@longmontcolorado.gov



Executed this 10th day of February, 2016.

CITY OF LONGMONT

Dennis L Coombs
MAYOR



ATTEST:

Valeria H. Skott
CITY CLERK

APPROVED AS TO CONTENT:

Dale F. [Signature]
ORIGINATING DEPARTMENT

APPROVED AS TO FORM:

[Signature]
ASSISTANT CITY ATTORNEY

EXHIBIT A
COLORADO FOREST RESTORATION GRANT
SCOPE OF WORK

Cooperator: City of Longmont

Work to be completed: The 40 acres will be treated according to the Scope of Work as proposed in the project application and according to the standards, specifications, and milestones outlined in the enclosed approved Plan of Operations.

Standards or Guidelines: Will meet CSFS guidelines or other approved professional resources appropriate for treatment. Will comply with standards in Colorado Forest Stewardship Guidelines to Protect Water Quality: Best Management Practices. All CSFS guidelines and/or other approved professional resources applied for treatment, and any other best management practices utilized will be indicated within the Plan of Operations.

Project Period: December 9, 2015 to October 25, 2017

Funded Amount: \$40,800

Minimum cooperator match: \$27,200

All work completed under this project must be certified as meeting minimum Colorado State Forest Service standards prior to any reimbursement being made to the cooperator. Form D entitled *CSFS Financial Assistance Cost-Share Program Reimbursement Calculation Worksheet* and Exhibit B entitled *CSFS Reimbursement Request Form* will be the document used to both request reimbursement and to certify that work has been completed to minimum standards.

Intermittent requests for reimbursement are permitted and must be accompanied by intermittent project accomplishments. Final requests for reimbursement must be accompanied by a final closeout report depicting total project accomplishments. Minimum reporting items:

- Accomplishments: examples include (quantified: # acres treated; # miles of fuelbreak; # of defensible spaces implemented; # of presentations with # of participants).
- Summary of Youth Corps participation, if applicable—this includes crew size, duration of participation, activity.
- Summary of project costs
 - Summary of actual costs, which are eligible for reimbursement, such as
 - Out-of-pocket expenses
 - Youth Corps
 - Award recipient labor(This is a sample of actual costs eligible for reimbursement and not an all-inclusive list. See page 2 of Form D for more examples)
 - Summary of costs not eligible for reimbursement, such as
 - Volunteer labor
 - Equipment purchases(This is a sample of costs not eligible for reimbursement and not an all-inclusive list. See page 2 of Form D for more examples)
- Digital before and after photos submitted electronically. Please do not embed tiff or jpg files into other documents or files.
- Electronic map and GIS data—local CSFS District Office must have necessary data to report map, or geospatial data, of project area.

Initials:

DL

Dennis L Coombs

Rev. July 2014



Project Plan of Operations

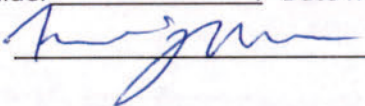
Grant Project Name: Mullen Park

Grant Applicant Name: City of Longmont –Button Rock Watershed

The following information (items 1-9) is required as applicable to assist with grant progress monitoring. Communication with CSFS district staff is necessary to support inspection, reimbursement, and project closeout.

Prepared by for(Grant Recipient): Jaime Freel –Watershed Manager . Date Prepared: Nov. 2015 .

Reviewed by (CSFS District Office): Boulder . Date Reviewed: 11/12/2015 .

Approved by (CSFS Program Manager):  . Date Approved: 12/4/15 .

- 1. Pre-treatment & Post-treatment conditions:** complete the following stocking tables for each treatment unit (list treatment units), as applicable: *The following stand data was collected on 10/28/15 during an inventory cruise by CSFS District. FVS analysis conducted in November*

Ponderosa Pine (23.8ac) – Mullen –Stand 1

<u>Pre-Treatment</u>			<u>Post-Treatment</u>	
Diameter Class (2")	Trees/acre	Basal area (ft ² /acre)	Trees/acre	Basal area (ft ² /acre)
2	300	2	88	0.3
4	80	6	8	0.6
6	18.5	4	1.9	0.4
8	13.8	4	6.9	2
10	38.6	20	19.3	10
12	25	20	12.5	10
14	7.2	8	3.6	4
16	17	24	17	24
18	0	0	0	0
20	1.9	4	1.9	4
22	1.6	4	1.6	4
24	0	0	0	0
26	0	0	0	0
TOTAL	503.6	96	160.7	59.3

Mixed Conifer (13.7ac) – Mullen- Stand 2

<u>Pre-Treatment</u>			<u>Post-Treatment</u>	
Diameter Class (2")	Trees/acre	Basal area (ft ² /acre)	Trees/acre	Basal area (ft ² /acre)
2	7.2	3.6	176	2
4	15.7	3.6	33	2
6	20.8	12	33.8	6.6
8	31.2	32	54.2	17.6
10	42.8	16	16.3	8.8
12	40.8	16	11.9	8.8
14	51.4	8	3.8	4.4
16	48.5	8	5.9	8
18	47	4	2.5	4
20	70	4	1.7	4
22	0	0	0	0
24	61	4	1.2	4
26	0	0	0	0
TOTAL	436.4	111.2	340.3	70.2

2. **Homes/Structures** (as applicable, and be sure to address information for each relevant treatment area):
One former residence exists on the property. This was acquired with the property, during the purchase of the land by the City of Longmont. The residence is not occupied, and located adjacent to an open meadow

This is not relevant or applicable to the project.

3. **Roads** (as applicable, and be sure to address information for each relevant treatment area):

This is not relevant or applicable to the project.

4. **Treatment budget plan:**

- a. *For the Mullen Park treatment, 40 acres/\$1700.00 (include acres and \$/acre) of the combined grant award amount will be spent by September, 2017 (less 10% to be retained until final grant closeout).*

100% of the project will be completed (final paperwork, site rehabilitation, wood product removal, etc.) by September, 2017. Grantee may need extension if unforeseen circumstances arise.

5. **Slash treatment:**

- a. For the 2 stands inside the treatment area will have the same methods of slash treatment:

Chipping and/or Mastication will be done to these specifications:

- *Chipped and/ or Masticated fuels will be no greater than 4 inches in depth in any one location, with an average depth of <2inches across the property.*

Lop and scatter will be done to these specifications:

- *Lopped and scattered will not exceed 12inches in depth in any one location*

Pile burning will be done to these specifications:

- *In accordance with the CSFS/DFPC Pile Burn Guidelines*

6. Merchantable and processing phases:

- a. for the Mullen Park treatment:

Merchantable material will be removed in the following manner(s) and processed in the following manner(s) at the specified location(s):

- *Wood that is acceptable size and condition for firewood use, will be pulled offsite, utilizing the existing road system.*
- *In the past firewood has been made available to the local community. The same will hold true with this project and the material removed during implementation*

7. Best Management Practices (BMPs):

The Colorado State Forest Service BMP Guidelines document, is the standard to be used in design, implementation, and monitoring of site-specific Best Management Practices for erosion control and water quality. Note: any new trails or roads created for project implementation will need to meet the same standard as for pre-existing roads, which entails returning to original or better condition (pre-implementation condition) and implementing appropriate BMPs.

- a. Specific BMPs to be planned for the [specify treatment area] treatment (ex: Streamside Management Zones; skid trail or road treatments; seeding or closure of trails and landings; etc.): CSFS *Forestry Best Management Practices, 2010* will be followed in the Mullen Park treatment area, where appropriate.

8. Marking prescription (as indicated in the grant application and/or further defined):

- a. *CSFS Boulder district staff and Button Rock Dam personnel will mark the property with flagging and paint.*



Project Plan of Operations

Grant Project Name: Mullen Park

Grant Applicant Name: City of Longmont –Button Rock Watershed

The following information (items 1-9) is required as applicable to assist with grant progress monitoring. Communication with CSFS district staff is necessary to support inspection, reimbursement, and project closeout.

Prepared by for (Grant Recipient): Jaime Freel –Watershed Manager . Date Prepared: Nov. 2015 .

Reviewed by (CSFS District Office): BO . Date Reviewed: _____ .

Approved by (CSFS Program Manager): _____ . Date Approved: _____ .

1. **Pre-treatment & Post-treatment conditions:** complete the following stocking tables for each treatment unit (list treatment units), as applicable: *The following stand data was collected on 10/28/15 during an inventory cruise by CSFS District. FVS analysis conducted in November*

Ponderosa Pine (23.8ac) – Mullen –Stand 1

<u>Pre-Treatment</u>			<u>Post-Treatment</u>	
Diameter Class (2")	Trees/acre	Basal area (ft ² /acre)	Trees/acre	Basal area (ft ² /acre)
2	300	2	88	0.3
4	80	6	8	0.6
6	18.5	4	1.9	0.4
8	13.8	4	6.9	2
10	38.6	20	19.3	10
12	25	20	12.5	10
14	7.2	8	3.6	4
16	17	24	17	24
18	0	0	0	0
20	1.9	4	1.9	4
22	1.6	4	1.6	4
24	0	0	0	0
26	0	0	0	0
TOTAL	503.6	96	160.7	59.3

Mixed Conifer (13.7ac) – Mullen- Stand 2

<u>Pre-Treatment</u>			<u>Post-Treatment</u>	
Diameter Class (2")	Trees/acre	Basal area (ft ² /acre)	Trees/acre	Basal area (ft ² /acre)
2	7.2	3.6	176	2
4	15.7	3.6	33	2
6	20.8	12	33.8	6.6
8	31.2	32	54.2	17.6
10	42.8	16	16.3	8.8
12	40.8	16	11.9	8.8
14	51.4	8	3.8	4.4
16	48.5	8	5.9	8
18	47	4	2.5	4
20	70	4	1.7	4
22	0	0	0	0
24	61	4	1.2	4
26	0	0	0	0
TOTAL	436.4	111.2	340.3	70.2

2. **Homes/Structures** (as applicable, and be sure to address information for each relevant treatment area):
One former residence exists on the property. This was acquired with the property, during the purchase of the land by the City of Longmont. The residence is not occupied, and located adjacent to an open meadow

a. ~~The amount of non-merchantable material for the [specify treatment area] treatment is _____ (fuel loading/acre) within _____ (distance) of homes and _____ (fuel loading) greater than _____ (distance) from homes. Average distribution of materials will be _____ (clumped, uniform, random, etc.).~~

b. ~~The amount of non-merchantable material for the [specify treatment area] treatment is _____ (fuel loading/acre) within _____ (distance) of homes and _____ (fuel loading) greater than _____ (distance) from homes. Average distribution of materials will be _____ (clumped, uniform, random, etc.).~~

c. ~~The amount of residual material for the [specify treatment area] treatment is _____ (fuel loading/acre) within _____ (distance) of homes and _____ (fuel loading) greater than _____ (distance) from homes.~~

3. Roads (as applicable, and be sure to address information for each relevant treatment area):

- a. The amount of non-merchantable material for the [specify treatment area] treatment is _____ (fuel loading/acre) within _____ (distance) of roads and _____ (fuel loading) greater than _____ (distance) from roads. Average distribution of materials will be _____ (clumped, uniform, random, etc.).
- b. The amount of non-merchantable material for the [specify treatment area] treatment is _____ (fuel loading/acre) within _____ (distance) of roads and _____ (fuel loading) greater than _____ (distance) from roads. Average distribution of materials will be _____ (clumped, uniform, random, etc.).
- c. The amount of residual material for the [specify treatment area] treatment is _____ (fuel loading/acre) within _____ (distance) of roads and _____ (fuel loading) greater than _____ (distance) from homes.

4. Treatment budget plan:

- a. For the Mullen Park treatment, 40 acres/\$1700.00 (include acres and \$/acre) of the combined grant award amount will be spent by September, 2017 (less 10% to be retained until final grant closeout).
- b. For the [specify treatment area] treatment, \$ _____ (include acres and \$/acre) of the combined grant award amount will be spent by _____ (less 10% to be retained until final grant closeout)
- c. For an additional treatment area (copy and paste format from 5a).

100% of the project will be completed (final paperwork, site rehabilitation, wood product removal, etc.) by September, 2017. Grantee may need extension if unforeseen circumstances arise.

5. Slash treatment:

- a. For the 2 stands inside the treatment area will have the same methods of slash treatment: Chipping and/or Mastication will be done to these specifications:
 - Chipped and/ or Masticated fuels will be no greater than 4 inches in depth in any one location, with an average depth of >2inches across the property.
 Lop and scatter will be done to these specifications:
 - Lopped and scattered will not exceed 12inches in depth in any one location
- b. For the [specify treatment area] treatment: Mastication will be done to these specifications _____.

Lop and scatter will be done to these specifications _____
Chipping will be done to these specifications _____

~~c. For an additional treatment area (copy and paste format from 6a).~~

6. Merchantable and processing phases:

a. for the Mullen Park treatment:

Merchantable material will be removed in the following manner(s) and processed in the following manner(s) at the specified location(s):

- *Wood that is acceptable size and condition for firewood use, will be pulled offsite, utilizing the existing road system.*

~~Unmerchantable material at any processing sites will be treated in the following manner: _____ (if chipping, provide specifications and plans).~~

~~Discuss the amount and location of merchantable or unmerchantable material to be left after completion of project that the landowner has agreed to.~~

~~b. for the [specify treatment area] treatment:~~

~~Merchantable material will be removed in the following manner (s) _____; and processed in the following manner(s) and the specified location(s) _____.~~

~~Unmerchantable material at any processing sites will be treated in the following manner _____ (if chipping, provide specifications and plans).~~

~~Discuss the amount and location of merchantable or unmerchantable material to be left after completion of project that the landowner has agreed to.~~

~~c. Add merchantable and processing phase for another treatment area (copy and paste format from 7a).~~

7. Best Management Practices (BMPs):

The Colorado State Forest Service BMP Guidelines document, is the standard to be used in design, implementation, and monitoring of site-specific Best Management Practices for erosion control and water quality. Note: any new trails or roads created for project implementation will need to meet the same standard as for pre-existing roads, which entails returning to original or better condition (pre-implementation condition) and implementing appropriate BMPs.

a. Specific BMPs to be planned for the [specify treatment area] treatment (ex: Streamside Management Zones; skid trail or road treatments; seeding or closure of trails and landings; etc.):

CSFS Forestry Best Management Practices, 2010 will be followed in the Mullen Park treatment area, where appropriate.

~~b. Specific BMPs to be planned for the [specify treatment area] treatment (ex: Streamside Management Zones; skid trail or road treatments; seeding or closure of trails and landings; etc.):~~

~~c. Add BMPs for another treatment area (copy and paste format from 8a).~~

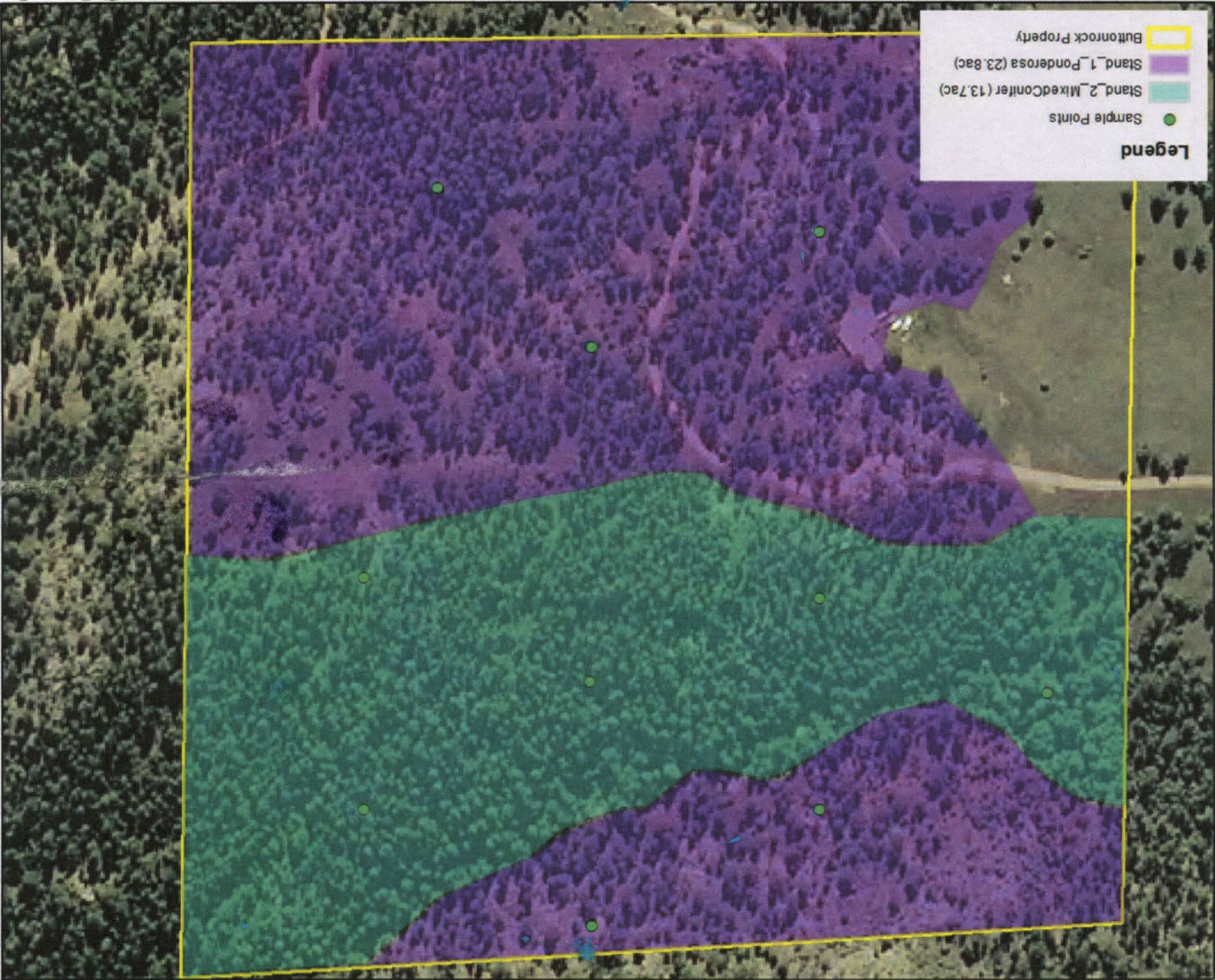
8. Marking prescription (as indicated in the grant application and/or further defined):

a. CSFS Boulder district staff and Button Rock Dam personnel will mark the property with flagging and paint.

~~b. For the [specify treatment area] treatment is: (insert text here, or attach to this Plan).~~

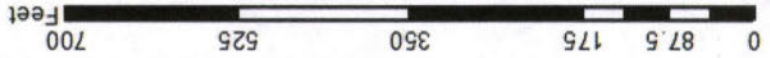
~~c. Add marking prescription for another treatment area (copy and paste format from 9a).~~

Button Rock Mullen Park Property Inventory



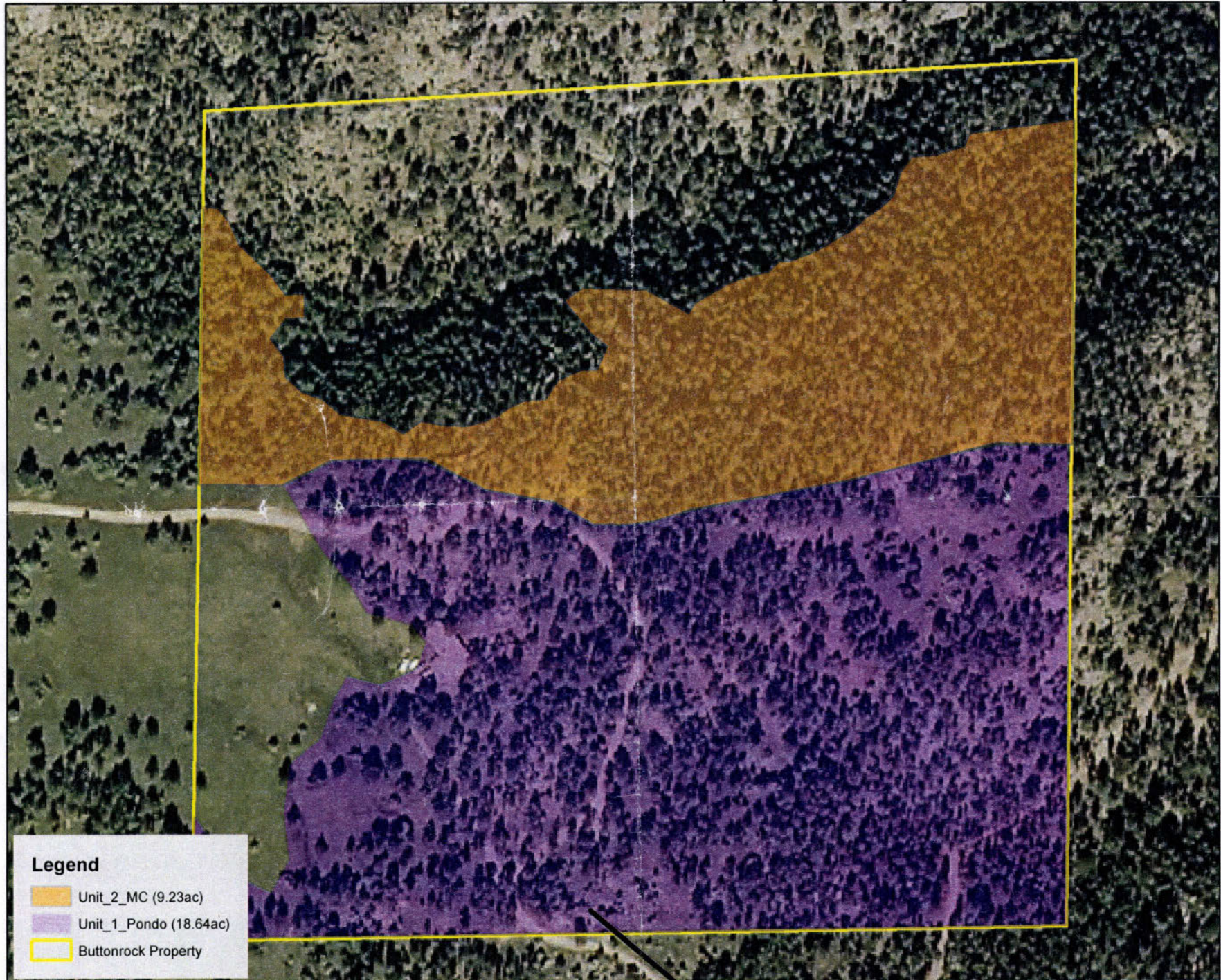
Legend

- Sample Points (Green circle)
- Stand_2_MixedConifer (13.7ac) (Green)
- Stand_1_Ponderosa (23.8ac) (Purple)
- Buttonrock Property (Yellow outline)



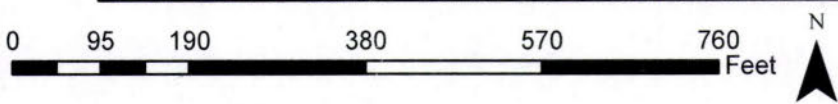
Map Created October 2015
By: CSFS Boulder

Button Rock Mullen Park Property Inventory



Legend

- Unit_2_MC (9.23ac)
- Unit_1_Pondo (18.64ac)
- Buttonrock Property



Map Created October 2015
By: CSFS Boulder

FVS Run: Bensrun
 Stand: 1
 Mgmt Id: NONE
 Year: 2015

FOREST VEGETATION SIMULATOR
 STAND AND STOCK TABLES
 Per-acre values are based on total stand area

Species: ALL Year: 2015 Mgmt Id: NONE Stand: 1

LIVE TREES							HARVESTED TREES								
MORTALITY TREES															
DIAM.	TREES	AVG	BASAL	TOTAL	MERCH	MERCH	TREES	AVG	BASAL	TOTAL	MERCH	MERCH	TREES	AVG	BASAL
TOTAL	MERCH	MERCH	HT	AREA	CU FT	CU FT	PER ACRE	HT	AREA	CU FT	CU FT	BD FT	PER ACRE	HT	AREA
CU FT	CU FT	BD FT													
2	300.0	5.4	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0													
4	80.0	11.0	6.0	16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0													
6	18.5	18.0	4.0	27.7	27.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0													
8	13.8	32.0	4.0	48.2	35.8	137.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0													
10	38.6	33.3	20.0	255.8	210.1	761.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0													
12	25.0	36.3	20.0	278.7	237.1	799.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0													
14	7.2	45.4	8.0	139.3	122.5	572.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0													
16	17.0	45.1	24.0	413.4	356.0	1561.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0													
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0													
20	1.9	37.0	4.0	56.1	46.1	203.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0													
22	1.6	47.0	4.0	70.9	61.9	298.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0													
Total	503.4	13.3	96.0	1306.1	1097.3	4334.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0													

FVS Run: Bensrun
 Stand: 1
 Mgmt Id: NONE

Year: 2025

FOREST VEGETATION SIMULATOR
STAND AND STOCK TABLES
Per-acre values are based on total stand area

Species: ALL Year: 2025 Mgmt Id: NONE Stand: 1

-----LIVE TREES-----							-----HARVESTED TREES-----								
MORTALITY TREES-----															
DIAM.	TREES	AVG	BASAL	TOTAL	MERCH	MERCH	TREES	AVG	BASAL	TOTAL	MERCH	MERCH	TREES	AVG	BASAL
TOTAL	MERCH	MERCH	AREA	CU FT	CU FT	BD FT	PER ACRE	HT	AREA	CU FT	CU FT	BD FT	PER ACRE	HT	AREA
CLASS	PER ACRE	HT	AREA	CU FT	CU FT	BD FT	PER ACRE	HT	AREA	CU FT	CU FT	BD FT	PER ACRE	HT	AREA
CU FT	CU FT	BD FT													
2	272.5	6.9	2.8	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5	6.9	0.1
0.1	0.0	0.0													
4	74.1	12.6	6.1	27.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	12.5	0.2
0.7	0.0	0.0													
6	23.4	13.2	3.3	16.4	16.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	13.2	0.1
0.4	0.4	0.0													
8	31.5	26.6	9.9	105.7	95.7	268.4	0.0	0.0	0.0	0.0	0.0	0.0	0.7	27.3	0.2
2.5	2.3	6.8													
10	18.8	37.7	11.0	155.5	131.6	551.2	0.0	0.0	0.0	0.0	0.0	0.0	0.4	37.8	0.3
3.6	3.0	12.6													
12	25.4	40.3	18.5	284.4	241.8	855.4	0.0	0.0	0.0	0.0	0.0	0.0	0.5	39.9	0.3
5.0	4.3	15.3													
14	18.3	41.8	18.3	290.6	254.6	967.5	0.0	0.0	0.0	0.0	0.0	0.0	0.2	42.0	0.2
3.5	3.0	11.4													
16	12.0	49.6	16.9	319.4	280.9	1253.4	0.0	0.0	0.0	0.0	0.0	0.0	0.1	49.8	0.1
2.2	1.9	8.7													
18	12.1	51.8	20.3	400.5	355.4	1551.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.7	0.0
0.9	0.8	3.6													
20	0.3	45.3	0.7	11.1	9.6	41.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0													
22	2.8	49.3	7.1	133.7	118.6	556.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0													
24	0.4	54.7	1.1	23.5	20.9	102.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0													
Total	491.5	15.9	116.0	1771.8	1525.5	6147.8	0.0	0.0	0.0	0.0	0.0	0.0	11.9	12.8	1.5
18.9	15.8	58.6													

FVS Run: Bensrun
Stand: 2
Mgmt Id: NONE
Year: 2015

FOREST VEGETATION SIMULATOR
 STAND AND STOCK TABLES
 Per-acre values are based on total stand area

Species: ALL Year: 2015 Mgmt Id: NONE Stand: 2

LIVE TREES							HARVESTED TREES								
MORTALITY TREES															
DIAM.	TREES	AVG	BASAL	TOTAL	MERCH	MERCH	TREES	AVG	BASAL	TOTAL	MERCH	MERCH	TREES	AVG	BASAL
TOTAL	MERCH	MERCH	AREA	CU FT	CU FT	BD FT	PER ACRE	HT	AREA	CU FT	CU FT	BD FT	PER ACRE	HT	AREA
CLASS	PER ACRE	HT	AREA	CU FT	CU FT	BD FT	PER ACRE	HT	AREA	CU FT	CU FT	BD FT	PER ACRE	HT	AREA
CU FT	CU FT	BD FT													
2	320.0	7.2	3.6	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0													
4	60.0	15.7	3.6	16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0													
6	61.4	20.8	12.0	96.7	81.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0													
8	98.5	31.2	32.0	399.2	301.1	1069.5	0.0	0.0	0.0	0.0	0.0	0.0	13.8	23.0	4.0
35.8	23.4	0.0													
10	29.6	42.8	16.0	259.7	222.4	815.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0													
12	21.7	40.8	16.0	248.7	214.9	652.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0													
14	7.0	51.4	8.0	160.0	138.9	619.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0													
16	5.9	48.5	8.0	150.5	128.2	549.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0													
18	2.5	47.0	4.0	71.9	61.7	297.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0													
20	1.7	70.0	4.0	99.3	85.4	440.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0													
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0													
24	1.2	61.0	4.0	84.1	72.3	347.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0													
Total	609.6	17.6	111.2	1590.1	1306.4	4792.9	0.0	0.0	0.0	0.0	0.0	0.0	13.8	23.0	4.0
35.8	23.4	0.0													

FVS Run: Bensrun
 Stand: 2
 Mgmt Id: NONE
 Year: 2025

FVS Run: Bensrun
 Stand: 1
 Mgmt Id: NONE
 Year: 2015

FOREST VEGETATION SIMULATOR
 STAND AND STOCK TABLES
 Per acre values are based on total stand area

TREES PER ACRE					Year: 2015	Mgmt Id: NONE				Stand: 1	MORTALITY			
DIAM. CLASS	LIVE					HARVESTED					MORTALITY			
	ALL	DF	PP	RM		ALL	DF	PP	RM		ALL	DF	PP	RM
2	300.0	20.0	100.0	180.0		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0
4	80.0	0.0	0.0	80.0		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0
6	18.5	0.0	0.0	18.5		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0
8	13.8	0.0	13.8	0.0		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0
10	38.6	0.0	38.6	0.0		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0
12	25.0	0.0	25.0	0.0		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0
14	7.2	0.0	7.2	0.0		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0
16	17.0	0.0	17.0	0.0		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0
20	1.9	0.0	1.9	0.0		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0
22	1.6	0.0	1.6	0.0		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0
TOTAL	503.4	20.0	204.9	278.5		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0

BASAL AREA PER ACRE					Year: 2015	Mgmt Id: NONE				Stand: 1	MORTALITY			
DIAM. CLASS	LIVE					HARVESTED					MORTALITY			
	ALL	DF	PP	RM		ALL	DF	PP	RM		ALL	DF	PP	RM
2	2.0	0.1	0.1	1.8		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0
4	6.0	0.0	0.0	6.0		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0
6	4.0	0.0	0.0	4.0		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0
8	4.0	0.0	4.0	0.0		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0
10	20.0	0.0	20.0	0.0		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0
12	20.0	0.0	20.0	0.0		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0
14	8.0	0.0	8.0	0.0		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0
16	24.0	0.0	24.0	0.0		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0
20	4.0	0.0	4.0	0.0		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0
22	4.0	0.0	4.0	0.0		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0
TOTAL	96.0	0.1	84.1	11.8		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0

TOTAL CUBIC FEET PER ACRE					Year: 2015	Mgmt Id: NONE				Stand: 1	MORTALITY			
DIAM. CLASS	LIVE					HARVESTED					MORTALITY			
	ALL	DF	PP	RM		ALL	DF	PP	RM		ALL	DF	PP	RM

20	0.7	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	7.1	0.0	7.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	1.1	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	116.0	0.3	99.2	16.4	0.0	0.0	0.0	0.0	0.0	1.5	0.0	1.1	0.4

TOTAL CUBIC FEET PER ACRE Year: 2025 Mgmt Id: NONE Stand: 1

DIAM. CLASS	LIVE				HARVESTED				MORTALITY			
	ALL	DF	PP	RM	ALL	DF	PP	RM	ALL	DF	PP	RM
2	3.6	2.0	1.6	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0
4	27.4	0.0	0.0	27.4	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.7
6	16.4	0.0	0.0	16.4	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.4
8	105.7	0.0	67.7	38.0	0.0	0.0	0.0	0.0	2.5	0.0	1.7	0.8
10	155.5	0.0	155.5	0.0	0.0	0.0	0.0	0.0	3.6	0.0	3.6	0.0
12	284.4	0.0	284.4	0.0	0.0	0.0	0.0	0.0	5.0	0.0	5.0	0.0
14	290.6	0.0	290.6	0.0	0.0	0.0	0.0	0.0	3.5	0.0	3.5	0.0
16	319.4	0.0	319.4	0.0	0.0	0.0	0.0	0.0	2.2	0.0	2.2	0.0
18	400.5	0.0	400.5	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.9	0.0
20	11.1	0.0	11.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	133.7	0.0	133.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	23.5	0.0	23.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	1771.8	2.0	1688.0	81.8	0.0	0.0	0.0	0.0	18.9	0.0	17.0	1.9

MERCH CUBIC FEET PER ACRE Year: 2025 Mgmt Id: NONE Stand: 1

DIAM. CLASS	LIVE				HARVESTED				MORTALITY			
	ALL	DF	PP	RM	ALL	DF	PP	RM	ALL	DF	PP	RM
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	16.4	0.0	0.0	16.4	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.4
8	95.7	0.0	57.7	38.0	0.0	0.0	0.0	0.0	2.3	0.0	1.5	0.8
10	131.6	0.0	131.6	0.0	0.0	0.0	0.0	0.0	3.0	0.0	3.0	0.0
12	241.8	0.0	241.8	0.0	0.0	0.0	0.0	0.0	4.3	0.0	4.3	0.0
14	254.6	0.0	254.6	0.0	0.0	0.0	0.0	0.0	3.0	0.0	3.0	0.0
16	280.9	0.0	280.9	0.0	0.0	0.0	0.0	0.0	1.9	0.0	1.9	0.0
18	355.4	0.0	355.4	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.8	0.0
20	9.6	0.0	9.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	118.6	0.0	118.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	20.9	0.0	20.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	1525.5	0.0	1471.1	54.4	0.0	0.0	0.0	0.0	15.8	0.0	14.6	1.2

BOARD FEET PER ACRE Year: 2025 Mgmt Id: NONE Stand: 1

DIAM. CLASS	LIVE				HARVESTED				MORTALITY			
	ALL	DF	PP	RM	ALL	DF	PP	RM	ALL	DF	PP	RM

CLASS	ALL	DF	PP	RM	ALL	DF	PP	RM	ALL	DF	PP	RM
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	268.4	0.0	268.4	0.0	0.0	0.0	0.0	0.0	6.8	0.0	6.8	0.0
10	551.2	0.0	551.2	0.0	0.0	0.0	0.0	0.0	12.6	0.0	12.6	0.0
12	855.4	0.0	855.4	0.0	0.0	0.0	0.0	0.0	15.3	0.0	15.3	0.0
14	967.5	0.0	967.5	0.0	0.0	0.0	0.0	0.0	11.4	0.0	11.4	0.0
16	1253.4	0.0	1253.4	0.0	0.0	0.0	0.0	0.0	8.7	0.0	8.7	0.0
18	1551.6	0.0	1551.6	0.0	0.0	0.0	0.0	0.0	3.6	0.0	3.6	0.0
20	41.7	0.0	41.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	556.5	0.0	556.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	102.2	0.0	102.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	6147.8	0.0	6147.8	0.0	0.0	0.0	0.0	0.0	58.6	0.0	58.6	0.0

FVS Run: Bensrun
Stand: 2
Mgmt Id: NONE
Year: 2015

FOREST VEGETATION SIMULATOR
STAND AND STOCK TABLES
Per acre values are based on total stand area

TREES PER ACRE Year: 2015 Mgmt Id: NONE Stand: 2

DIAM. CLASS	LIVE				HARVESTED				MORTALITY			
	ALL	DF	PP	RM	ALL	DF	PP	RM	ALL	DF	PP	RM
2	320.0	140.0	60.0	120.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	60.0	0.0	20.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	61.4	25.1	0.0	36.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	98.5	75.5	23.0	0.0	0.0	0.0	0.0	0.0	13.8	0.0	13.8	0.0
10	29.6	0.0	29.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	21.7	5.4	16.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	7.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	5.9	0.0	5.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	2.5	0.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	609.6	249.0	164.4	196.2	0.0	0.0	0.0	0.0	13.8	0.0	13.8	0.0

BASAL AREA PER ACRE Year: 2015 Mgmt Id: NONE Stand: 2

DIAM. CLASS	LIVE				HARVESTED				MORTALITY			
	ALL	DF	PP	RM	ALL	DF	PP	RM	ALL	DF	PP	RM

16	128.2	0.0	128.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	61.7	0.0	61.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	85.4	85.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	72.3	72.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	1306.4	487.6	765.0	53.9	0.0	0.0	0.0	0.0	0.0	23.4	0.0	23.4	0.0

BOARD FEET PER ACRE				Year: 2015	Mgmt Id: NONE	Stand: 2				MORTALITY			
DIAM. CLASS	LIVE				HARVESTED				MORTALITY				
	ALL	DF	PP	RM	ALL	DF	PP	RM	ALL	DF	PP	RM	
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	1069.5	856.6	212.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	815.9	0.0	815.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	652.4	163.5	488.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	619.7	0.0	619.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	549.4	0.0	549.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	297.5	0.0	297.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	440.7	440.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	347.8	347.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	4792.9	1808.6	2984.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

FVS Run: Bensrun
Stand: 2
Mgmt Id: NONE
Year: 2025

FOREST VEGETATION SIMULATOR
STAND AND STOCK TABLES
Per acre values are based on total stand area

TREES PER ACRE				Year: 2025	Mgmt Id: NONE	Stand: 2				MORTALITY			
DIAM. CLASS	LIVE				HARVESTED				MORTALITY				
	ALL	DF	PP	RM	ALL	DF	PP	RM	ALL	DF	PP	RM	
2	289.9	139.5	57.9	92.4	0.0	0.0	0.0	0.0	5.1	0.5	2.1	2.6	
4	82.8	0.0	19.3	63.5	0.0	0.0	0.0	0.0	2.2	0.0	0.7	1.5	
6	44.8	24.9	0.0	20.0	0.0	0.0	0.0	0.0	0.7	0.3	0.0	0.4	
8	84.7	55.4	13.8	15.6	0.0	0.0	0.0	0.0	0.9	0.5	0.2	0.3	
10	43.3	19.5	23.8	0.0	0.0	0.0	0.0	0.0	0.4	0.1	0.3	0.0	
12	33.5	4.1	29.4	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.2	0.0	

TOTAL | 2066.6 842.5 1131.7 92.4 | 0.0 0.0 0.0 0.0 | 14.1 4.7 7.5 1.9

MERCH CUBIC FEET PER ACRE Year: 2025 Mgmt Id: NONE Stand: 2

DIAM. CLASS	LIVE				HARVESTED				MORTALITY			
	ALL	DF	PP	RM	ALL	DF	PP	RM	ALL	DF	PP	RM
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	76.4	40.8	0.0	35.6	0.0	0.0	0.0	0.0	1.2	0.5	0.0	0.7
8	302.9	238.9	33.4	30.7	0.0	0.0	0.0	0.0	3.1	2.1	0.4	0.6
10	303.9	126.5	177.4	0.0	0.0	0.0	0.0	0.0	3.1	0.8	2.3	0.0
12	385.1	60.7	324.4	0.0	0.0	0.0	0.0	0.0	2.6	0.2	2.4	0.0
14	45.6	20.2	25.3	0.0	0.0	0.0	0.0	0.0	0.2	0.1	0.1	0.0
16	226.4	0.0	226.4	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.5	0.0
18	164.5	0.0	164.5	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	103.5	103.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	88.2	88.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	1696.5	678.8	951.5	66.3	0.0	0.0	0.0	0.0	10.8	3.6	5.9	1.3

BOARD FEET PER ACRE Year: 2025 Mgmt Id: NONE Stand: 2

DIAM. CLASS	LIVE				HARVESTED				MORTALITY			
	ALL	DF	PP	RM	ALL	DF	PP	RM	ALL	DF	PP	RM
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	981.0	827.3	153.8	0.0	0.0	0.0	0.0	0.0	9.1	7.2	1.9	0.0
10	1125.8	491.3	634.5	0.0	0.0	0.0	0.0	0.0	11.5	3.2	8.2	0.0
12	1439.0	244.5	1194.5	0.0	0.0	0.0	0.0	0.0	9.7	0.7	9.0	0.0
14	176.4	81.5	94.9	0.0	0.0	0.0	0.0	0.0	0.6	0.2	0.4	0.0
16	1095.3	0.0	1095.3	0.0	0.0	0.0	0.0	0.0	2.6	0.0	2.6	0.0
18	755.7	0.0	755.7	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.5	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	535.6	535.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	456.1	456.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	6564.9	2636.3	3928.6	0.0	0.0	0.0	0.0	0.0	33.9	11.4	22.5	0.0

FVS Run: Bensrun
 Stand: 1
 Mgmt Id: NONE
 Year: 2015

FOREST VEGETATION SIMULATOR
 STAND AND STOCK TABLES
 Per-acre values are based on total stand area

Species: ALL Year: 2015 Mgmt Id: NONE Stand: 1

LIVE TREES								HARVESTED TREES								
MORTALITY TREES																
DIAM.	TREES	AVG	BASAL	TOTAL	MERCH	MERCH		TREES	AVG	BASAL	TOTAL	MERCH	MERCH	TREES	AVG	BASAL
TOTAL	MERCH	MERCH	HT	AREA	CU FT	CU FT	BD FT	PER ACRE	HT	AREA	CU FT	CU FT	BD FT	PER ACRE	HT	AREA
CU FT	CU FT	BD FT														
2	300.0	5.4	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0														
4	80.0	11.0	6.0	16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0														
6	18.5	18.0	4.0	27.7	27.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0														
8	13.8	32.0	4.0	48.2	35.8	137.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0														
10	38.6	33.3	20.0	255.8	210.1	761.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0														
12	25.0	36.3	20.0	278.7	237.1	799.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0														
14	7.2	45.4	8.0	139.3	122.5	572.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0														
16	17.0	45.1	24.0	413.4	356.0	1561.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0														
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0														
20	1.9	37.0	4.0	56.1	46.1	203.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0														
22	1.6	47.0	4.0	70.9	61.9	298.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0														
Total	503.4	13.3	96.0	1306.1	1097.3	4334.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0														

Species: DF Year: 2015 Mgmt Id: NONE Stand: 1


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Total | 204.9 19.8 84.1 1262.4 1069.6 4334.5 | 0.0 0.0 0.0 0.0 0.0 0.0 | 0.0 0.0 0.0
0.0 0.0 0.0

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Species: RM Year: 2015 Mgmt Id: NONE Stand: 1

-----LIVE TREES-----							-----HARVESTED TREES-----								
MORTALITY TREES-----															
DIAM.	TREES	AVG	BASAL	TOTAL	MERCH	MERCH	TREES	AVG	BASAL	TOTAL	MERCH	MERCH	TREES	AVG	BASAL
TOTAL	MERCH	MERCH	AREA	CU FT	CU FT	BD FT	PER ACRE	HT	AREA	CU FT	CU FT	BD FT	PER ACRE	HT	AREA
CLASS	PER ACRE	HT	AREA	CU FT	CU FT	BD FT	PER ACRE	HT	AREA	CU FT	CU FT	BD FT	PER ACRE	HT	AREA
CU FT	CU FT	BD FT													
2	180.0	7.4	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0													
4	80.0	11.0	6.0	16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0													
6	18.5	18.0	4.0	27.7	27.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0													
Total	278.5	9.2	11.8	43.7	27.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0													

FVS Run: Bensrun
Stand: 1
Mgmt Id: NONE
Year: 2025

FOREST VEGETATION SIMULATOR
STAND AND STOCK TABLES
Per-acre values are based on total stand area

Species: ALL Year: 2025 Mgmt Id: NONE Stand: 1

-----LIVE TREES-----							-----HARVESTED TREES-----								
MORTALITY TREES-----															
DIAM.	TREES	AVG	BASAL	TOTAL	MERCH	MERCH	TREES	AVG	BASAL	TOTAL	MERCH	MERCH	TREES	AVG	BASAL
TOTAL	MERCH	MERCH	AREA	CU FT	CU FT	BD FT	PER ACRE	HT	AREA	CU FT	CU FT	BD FT	PER ACRE	HT	AREA
CLASS	PER ACRE	HT	AREA	CU FT	CU FT	BD FT	PER ACRE	HT	AREA	CU FT	CU FT	BD FT	PER ACRE	HT	AREA
CU FT	CU FT	BD FT													

Species: PP Year: 2025 Mgmt Id: NONE Stand: 1

-----LIVE TREES-----							-----HARVESTED TREES-----								
MORTALITY TREES-----															
DIAM.	TREES	AVG	BASAL	TOTAL	MERCH	MERCH	TREES	AVG	BASAL	TOTAL	MERCH	MERCH	TREES	AVG	BASAL
TOTAL	MERCH	MERCH	AREA	CU FT	CU FT	BD FT	PER ACRE	HT	AREA	CU FT	CU FT	BD FT	PER ACRE	HT	AREA
CLASS	PER ACRE	HT	AREA	CU FT	CU FT	BD FT	PER ACRE	HT	AREA	CU FT	CU FT	BD FT	PER ACRE	HT	AREA
CU FT	CU FT	BD FT													
2	97.5	5.5	0.4	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	6.3	0.0
0.1	0.0	0.0													
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0													
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0													
8	13.4	36.6	5.0	67.7	57.7	268.4	0.0	0.0	0.0	0.0	0.0	0.0	0.3	36.6	0.1
1.7	1.5	6.8													
10	18.8	37.7	11.0	155.5	131.6	551.2	0.0	0.0	0.0	0.0	0.0	0.0	0.4	37.8	0.3
3.6	3.0	12.6													
12	25.4	40.3	18.5	284.4	241.8	855.4	0.0	0.0	0.0	0.0	0.0	0.0	0.5	39.9	0.3
5.0	4.3	15.3													
14	18.3	41.8	18.3	290.6	254.6	967.5	0.0	0.0	0.0	0.0	0.0	0.0	0.2	42.0	0.2
3.5	3.0	11.4													
16	12.0	49.6	16.9	319.4	280.9	1253.4	0.0	0.0	0.0	0.0	0.0	0.0	0.1	49.8	0.1
2.2	1.9	8.7													
18	12.1	51.8	20.3	400.5	355.4	1551.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.7	0.0
0.9	0.8	3.6													
20	0.3	45.3	0.7	11.1	9.6	41.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0													
22	2.8	49.3	7.1	133.7	118.6	556.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0													
24	0.4	54.7	1.1	23.5	20.9	102.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0													
Total	200.9	24.5	99.2	1688.0	1471.1	6147.8	0.0	0.0	0.0	0.0	0.0	0.0	4.1	19.0	1.1
17.0	14.6	58.6													

Species: RM Year: 2025 Mgmt Id: NONE Stand: 1

-----LIVE TREES-----							-----HARVESTED TREES-----								
MORTALITY TREES-----															
DIAM.	TREES	AVG	BASAL	TOTAL	MERCH	MERCH	TREES	AVG	BASAL	TOTAL	MERCH	MERCH	TREES	AVG	BASAL
TOTAL	MERCH	MERCH	AREA	CU FT	CU FT	BD FT	PER ACRE	HT	AREA	CU FT	CU FT	BD FT	PER ACRE	HT	AREA
CLASS	PER ACRE	HT	AREA	CU FT	CU FT	BD FT	PER ACRE	HT	AREA	CU FT	CU FT	BD FT	PER ACRE	HT	AREA

CU FT	CU FT	BD FT															
2	155.1	7.8	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9	7.3	0.1
0.0	0.0	0.0															
4	74.1	12.6	6.1	27.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	12.5	0.2
0.7	0.0	0.0															
6	23.4	13.2	3.3	16.4	16.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	13.2	0.1
0.4	0.4	0.0															
8	18.1	19.2	5.0	38.0	38.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	19.2	0.1
0.8	0.8	0.0															
Total	270.7	10.3	16.4	81.8	54.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.8	9.6	0.4
1.9	1.2	0.0															

FVS Run: Bensrun
Stand: 2
Mgmt Id: NONE
Year: 2015

FOREST VEGETATION SIMULATOR
STAND AND STOCK TABLES
Per-acre values are based on total stand area

Species: ALL Year: 2015 Mgmt Id: NONE Stand: 2

MORTALITY TREES							HARVESTED TREES								
DIAM.	TREES	AVG	BASAL	TOTAL	MERCH	MERCH	TREES	AVG	BASAL	TOTAL	MERCH	MERCH	TREES	AVG	BASAL
TOTAL	MERCH	MERCH	AREA	CU FT	CU FT	BD FT	PER ACRE	HT	AREA	CU FT	CU FT	BD FT	PER ACRE	HT	AREA
CU FT	CU FT	BD FT													
2	320.0	7.2	3.6	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0													
4	60.0	15.7	3.6	16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0													
6	61.4	20.8	12.0	96.7	81.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0													
8	98.5	31.2	32.0	399.2	301.1	1069.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.8	23.0
35.8	23.4	0.0													
10	29.6	42.8	16.0	259.7	222.4	815.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0													
12	21.7	40.8	16.0	248.7	214.9	652.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0													
14	7.0	51.4	8.0	160.0	138.9	619.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0													

0.0	0.0	0.0																
24		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
0.0	0.0	0.0																
26		1.2	66.8	4.4	99.7	88.2	456.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
0.0	0.0	0.0																

Total		247.6	22.0	51.2	842.5	678.8	2636.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	27.2	0.3
4.7	3.6	11.4																

Species: PP Year: 2025 Mgmt Id: NONE Stand: 2

-----LIVE TREES-----							-----HARVESTED TREES-----										
MORTALITY TREES-----																	
DIAM.	TREES	AVG	BASAL	TOTAL	MERCH	MERCH	TREES	AVG	BASAL	TOTAL	MERCH	MERCH	TREES	AVG	BASAL		
TOTAL	MERCH	MERCH	AREA	CU FT	CU FT	BD FT	PER ACRE	HT	AREA	CU FT	CU FT	BD FT	PER ACRE	HT	AREA		
CLASS	PER ACRE	HT	AREA	CU FT	CU FT	BD FT	PER ACRE	HT	AREA	CU FT	CU FT	BD FT	PER ACRE	HT	AREA		
CU FT	CU FT	BD FT															
2		57.9	7.6	0.2	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	8.0	0.0		
0.1	0.0	0.0															
4		19.3	21.4	1.3	11.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	21.4	0.0		
0.4	0.0	0.0															
6		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0															
8		13.8	23.5	5.4	50.6	33.4	153.8	0.0	0.0	0.0	0.0	0.0	0.2	24.1	0.1		
0.6	0.4	1.9															
10		23.8	43.0	12.9	210.5	177.4	634.5	0.0	0.0	0.0	0.0	0.0	0.3	43.0	0.2		
2.7	2.3	8.2															
12		29.4	44.7	22.6	382.2	324.4	1194.5	0.0	0.0	0.0	0.0	0.0	0.2	45.3	0.2		
2.9	2.4	9.0															
14		1.8	41.3	1.9	29.5	25.3	94.9	0.0	0.0	0.0	0.0	0.0	0.0	41.3	0.0		
0.1	0.1	0.4															
16		9.6	52.2	12.9	259.1	226.4	1095.3	0.0	0.0	0.0	0.0	0.0	0.0	52.2	0.0		
0.6	0.5	2.6															
18		5.2	54.7	8.9	186.6	164.5	755.7	0.0	0.0	0.0	0.0	0.0	0.0	57.4	0.0		
0.1	0.1	0.5															

Total		160.9	27.2	66.2	1131.7	951.5	3928.6	0.0	0.0	0.0	0.0	0.0	0.0	3.5	17.3	0.5	
7.5	5.9	22.5															

Species: RM Year: 2025 Mgmt Id: NONE Stand: 2

