

TIMBER SALE APPRAISAL REPORT

TEAL TIMBER SALE

Prepared by: _____
Name Title Date

Approved by: _____
Name Title Date

I certify that this sale meets the requirements of the Secretary of Agriculture's Regulation 36 CFR 223.30

I. DESCRIPTION OF SALE

The Teal Timber Sale is located in Saguache County Colorado, Rio Grande, National Forest, Saguache Ranger District approximately 23 miles northwest of Saguache Colorado. This sale complies with Section 6(g), 3(e)-(f) of the National Forest Management Act of 1976, (36 CFR 233.3, the (revised) Rio Grande National Forest Land and Resource Plan (approved 11/7/96), and the Saguache District Small Sales E.A. signed by Thomas Goodwin, District Ranger on 4 February 2004. A letter to proceed was signed by Robert Dalrymple, Acting District Ranger, on 17 October 2006. This sale was formally Units F3 and G4 of the Duck Pond Timber Sale that received no bids in 2008. A letter of NEPA compliance was signed by Jim Pitts, District Ranger on February 27, 2013 to tier the Teal Timber Sale to the analysis completed with the Duck Pond Timber Sale. The legal description for the sale area is all or portions of sections 15, 16, 21, and 22, T46N, R4E, NMPM.

Access to the sale area from Saguache is via Hwy 114 west approximately 26 miles to NFSR 810. Take NFSR 810 north approximately 3 miles to NFSR 784. Take NFSR 784 west for approximately 1 mile to NFSR 784.1A. Take NFSR 784.1A for approximately 0.60 miles to the beginning of the cutting unit boundaries. NFSR 784.1A can also be used to access the cutting units. Due to portions of NFSR 784.1A located near streams, only a small segment of this road will be used for hauling. Hauling is prohibited on those portions where wet conditions exist.

The sale area is approximately 215 acres consisting of 2 Cutting Units totaling 109.1 acres. All units are leave tree marked with leave trees being designated with a band of orange tracer paint at about 5 feet up on the bole of the tree. Leave trees have an orange mark on the downhill side of the tree. Wildlife trees are also designated in the same manner except wildlife trees have a painted "W" or "WL" also at approximately eye level. All units are proposed for conventional tractor logging. The cutting units' boundaries are painted orange with the two side stripes extending from the ground to approximately 6 feet and the smaller orange stripe facing into the units. Volume for this sale was cruised using a 1/10th acre fixed plot sampling method. Sampling error for this sale is 19.49% and meets the minimum cruise error required for the estimated value.

Included timber required to be removed is composed of Douglas-fir and other conifer species – Live and Dead, Sawtimber, 431 CCF; Lodgepole pine –Live and Dead, Sawtimber , 306 CCF; and Lodgepole pine and other conifer species – Live and Dead, Miscellaneous-Convertible, 258 CCF. The total volume for this sale is 995 CCF.

Mitigation measures include:

Wildlife:

For Goshawk nest, if excluded nest area is active during harvest operations, disturbance must be avoided during nesting period March 1 to August 15 (Goshawk Management Guidelines 01/12). Yearly monitoring will be completed by the district biologist before activities begin. **Special Provision CT6.312# Sale Operation Restrictions is included in the contract and restricts all treatment activities in unit F3 between March 1 and August 15, if yearly spring surveys identify active use of the nest by goshawks.**

Public Motor vehicle access to the project area will be limited to the Duck Pond Loop following project activities. **Special Provision CT5.35#Obliteration of Temporary Roads, Skid Trails and Landings and CT 5.41#Closure to Use by Others are included in the contract to close existing temporary roads and the level 1 road.**

Watershed:

Riparian areas near the proposed harvest area appear to be limited, but some do exist. Forest Standards and Guidelines regarding harvest near stream channels and riparian areas must be carefully followed. **Special Provisions, CT6.411#Felling and Bucking and CT6.42# Skidding and Yarding are included in the contract to protect riparian resources within the harvest units.**

Silvicultural:

Special Provisions, CT6.7# Slash treatment, YUM yarding is included in the contract. Due to presence of activity fuels from past treatments, yarding of unmerchantable materials is required in unit F3.

Soils:

Winter logging recommended. **Winter Logging is not required in the contract.**

TOTAL CONTRACT AND APPRAISAL VOLUME SUMMARY

Volume was determined by using approved cruising methods outlined in Forest Service Handbook 2409.12. Bulletin BU230213 contains the current rates that were used in this appraisal. Both sawtimber and POL are appraised to Montrose Forest Products in Montrose, CO as it is the most advantageous appraisal point to the government. This is a deficit sale. Appraised stumpage rates were increased by \$29,129.92 to reach base rates.

Species	Product	Volume CCF	Advertised Rates	Base Rates
Lodgepole Pine - Live and Dead	Sawtimber	306	\$3.00	\$3.00
Douglas-fir and Other Conifer species- Live and Dead	Sawtimber	431	\$3.00	\$3.00
Douglas-fir and Other Conifer species - Live and Dead	Misc-Conv	258	\$1.00	\$1.00

TOTAL CONTRACT VALUE AT BASE RATES = \$2,469

II. SUMMARY OF RECOMMENDATIONS:

A: Termination Date: September 30, 2016

B: Bid Method: Sealed Bid

C: Contract Type: 6T Contract

D: Appraisal Method: TEA

E: Normal Operating Season: May 1 through November 15.

F: Bid Guarantee: \$300.00

G: Minimum Performance Bond: \$2,700. This was calculated based on the cost to repair damage that could occur after one season.

H: Down Payment: 10% of the Advertised Rate plus 20% of Bid Premium

J: Required Deposits:

1) Slash Treatment Required Deposit:	\$2.49/CCF
2) Road Maintenance	\$0.66/CCF

K: Scheduled Rate Redetermination Date: N/A

L: Tracer Paint Used: Paint used by unit is identified in Appendix E.

MERCHANTABILITY SPECIFICATIONS:

Species and Product	Unit of Measure	DBH (inches)	Minimum Length (feet)	Dia. Inside Bark at the Small End
Lodgepole Pine- Live and Dead	CCF	7.0	8.0	6.0
Douglas-fir and Other Conifer species – Live and Dead, Sawtimber	CCF	8.0	8.0	6.0
Lodgepole Pine and Other Conifer species – Live and Dead, Misc-Conv	CCF	5.0	6.5	4.0

VII. APPENDIX

- A. Sale Information
- B. Volume Calculations
- C. Unit Volume Calculations
- D. Dead/Live Volume
- E. Tracer Paint Used
- F. Road Maintenance Calculations
- G. Haul Costs
- H. Temporary Road Costs and Temporary Road Worksheet
- I. Average Skid Distance
- J. Unusual Adjustments
- K. Performance Bonds
- L. Slash Deposits (BD Plan)
- M. KV Plan
- N. SSF Plan
- O. Road Maintenance Estimates