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JUN 29 2023
Humboldt County
PLANNING

Cottrell Ranches

Cruise Reports/Management Plans

by

James L. Able Forestry Consultants, Inc.
1410 Second Street
Eureka, California 95501

March 1, 2006

part of larger Timber ~~Harvest~~ Management Plan,
Request more information from applicant if needed

Timber Cruising

JAMES L. ABLE
FORESTRY CONSULTANTS, INC.

Forest Property Management

1410 Second Street
Eureka, CA 95501

(707) 445- 4130

March 1, 2006

Cottrell Ranches
Star Route Box 55
Bridgeville, Ca. 95526

Re: 2005 Stand Information and Management Recommendations for the Cottrell Ranches.

Dear Cottrell Ranches:

Enclosed per your request, please find the timber cruise and management reports for the timber on the Cottrell Ranches located near Bridgeville in Humboldt County, California.

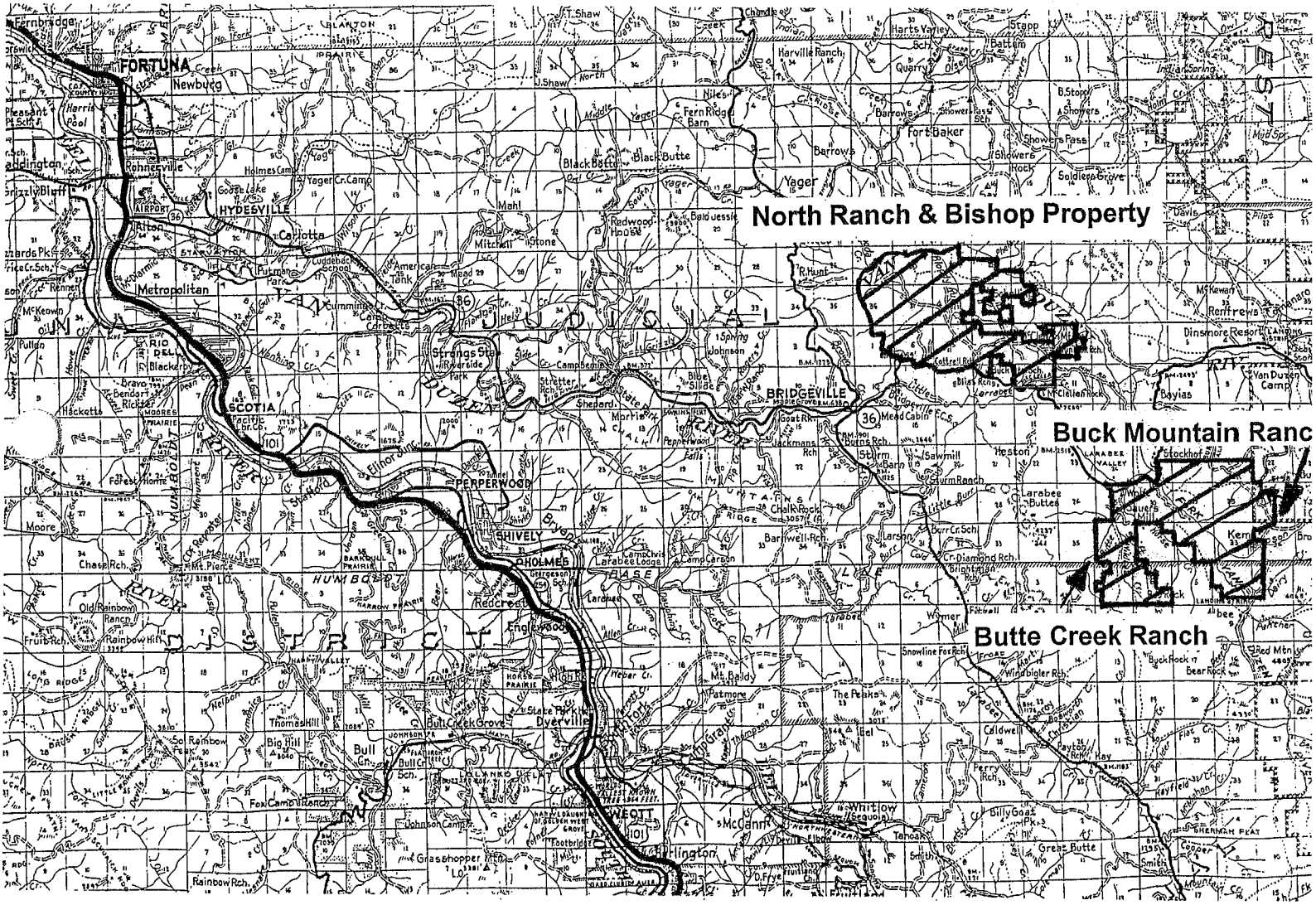
This document contains three separate reports, in addition to an overall location map and individual area topographic maps. These maps show the property split into ranches. Each of the following reports corresponds to a specific ranch. The ranches are separated into individual management units with corresponding volumes, stand tables, growth estimates, unit descriptions and management recommendations. Please pay particular attention to the Statements of Contingent and Limiting Conditions included at the end of each report.

As discussed, this cruise and growth estimate is the basis for detailed management or appraisal purposes. The format and arrangement of data reflects that ultimate objective.

Yours truly,

James L. Able, R.P.F. #900
President
James L. Able Forestry Consultants, Inc.

COTTRELL RANCHES
HUMBOLDT COUNTY
GENERAL LOCATION MAP



LEGEND:

Property

North

scale 1"=21,000'

Butte Creek Property
Portions of Sections 25 & 36 of T1N, R4E, H.B.&M.
Portions of Section 1 of T1S, R4E, H.B.&M.
Portions of Sections 30, 31 & 32 of T1N, R5E, H.B.&M.
Portions of Section 6 of T1S, R5E, H.B.&M.

Timber Cruise Volume Estimate

General Cruise Summary

Acres – 2,720

Volume Summary Conifer

SPECIES	Gross Volume (M)	Net Volume (M)
Douglas-fir	20813.05	17860.18
Ponderosa Pine	576.84	482.64
White Fir	300.88	265.96
Incense Cedar	0.00	0.00
Total	21690.77	18608.78

Volume Summary – Hardwood

SPECIES	Cubic Feet (M)	Board Feet (M)	Tons
Black Oak	851.63	5109.78	22738.52
White Oak	740.98	4445.88	25860.20
Tanoak	43.43	260.58	1422.33
Madrone	83.96	503.76	2930.20
Other Hardwood	169.57	1017.42	5917.99
Total	1889.57	11337.42	58869.24

1. Conifer Volumes are in Thousands of Board Feet Short Log Scribner Scale
2. Hardwood Volumes are in Thousands of Cubic Feet Short Log Scribner Scale
3. Hardwood Volumes for Board Feet and Tons are conversions from Cubic Feet

Butte Creek Property Growth for the Period of January 2005 to January of 2015

Acres – 2,720 Total Growth for the Property

	Current Inventory		Inventory in 10 Years		Periodic Annual Growth	
Species	Volume	Vol/Acre	Volume	Vol/Acre	Volume	Vol/Acre
Douglas-fir	17860.18	6.57	26128.46	9.61	826.83	0.30
Ponderosa Pine	482.64	0.18	690.27	0.25	20.76	0.01
White Fir	265.96	0.10	391.89	0.14	12.59	0.00
Incense Cedar	0.00	0.00	0.00	0.00	0.00	0.00
Total	18608.78	6.85	27210.63	10.00	860.18	0.31

1. Volumes in (M) Thousands of Board Feet Short Log Net SC Scale.
2. Growth Expressed in Periodic Annual Growth from January 2005 to January 2015.

Timber Quality Estimates for Conifers by Percentages

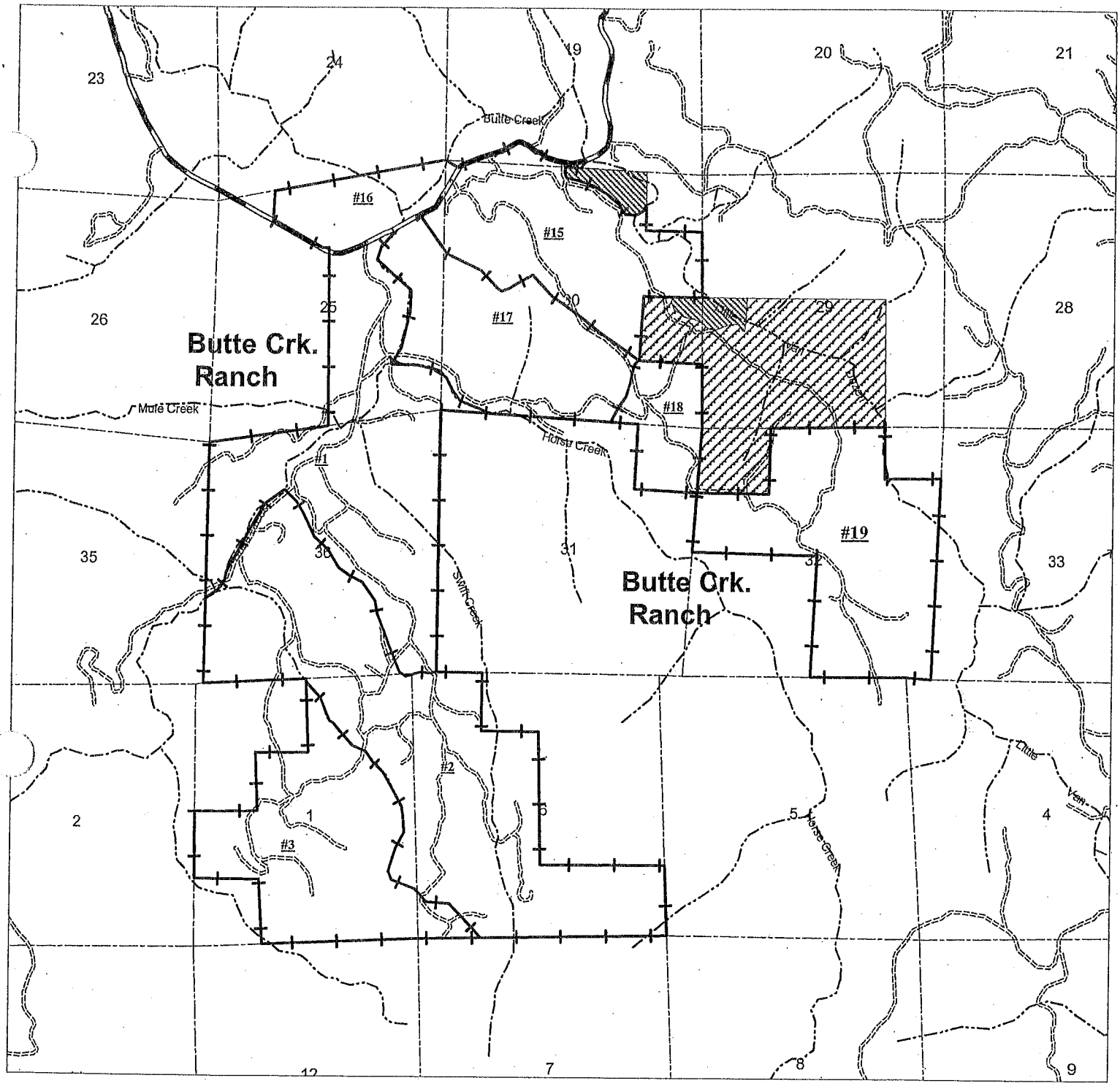
Grade	Douglas-fir	Ponderosa Pine	White Fir	Incense Cedar
1P				
2P				
3P				
SM				
1M				
2M	46%	0%	80%	
3M	54%	0%	20%	
4M		56%		
5M		43%		

Quality estimates are based on Northern California Log Scaling and Grading Bureau Rules.

Butte Creek Property

Summary by Units

Unit #	Total Net Volume	Net Volume/Acre	% Growth
1	3,096.16 MBF	6.13 BF/Acre	4.75%
2	5,685.46 MBF	7.97 BF/Acre	3.95%
3	1,909.95 MBF	5.46 BF/Acre	2.23%
15	3,844.50 MBF	12.82 BF/Acre	3.96%
16	131.65 MBF	1.43 BF/Acre	2.30%
17	1,546.10 MBF	5.44 BF/Acre	3.75%
18	966.14 MBF	11.11 BF/Acre	3.17%
19	1,428.80 MBF	3.67 BF/Acre	4.15%



Butte Creek Ranch

Portions of Secs. 25 & 36, T1N, R4E, H.B.&M.
Portions of Sec. 1, T1S, R4E, H.B.&M.
Portions of Secs. 30, 31 & 32, T1N, R5E, H.B.&M.
Portions of Sec. 6, T1S, R5E, H.B.&M.

Legend

Property Boundary

Unit Boundary

Seasonal Truck Road

All Season Truck Road

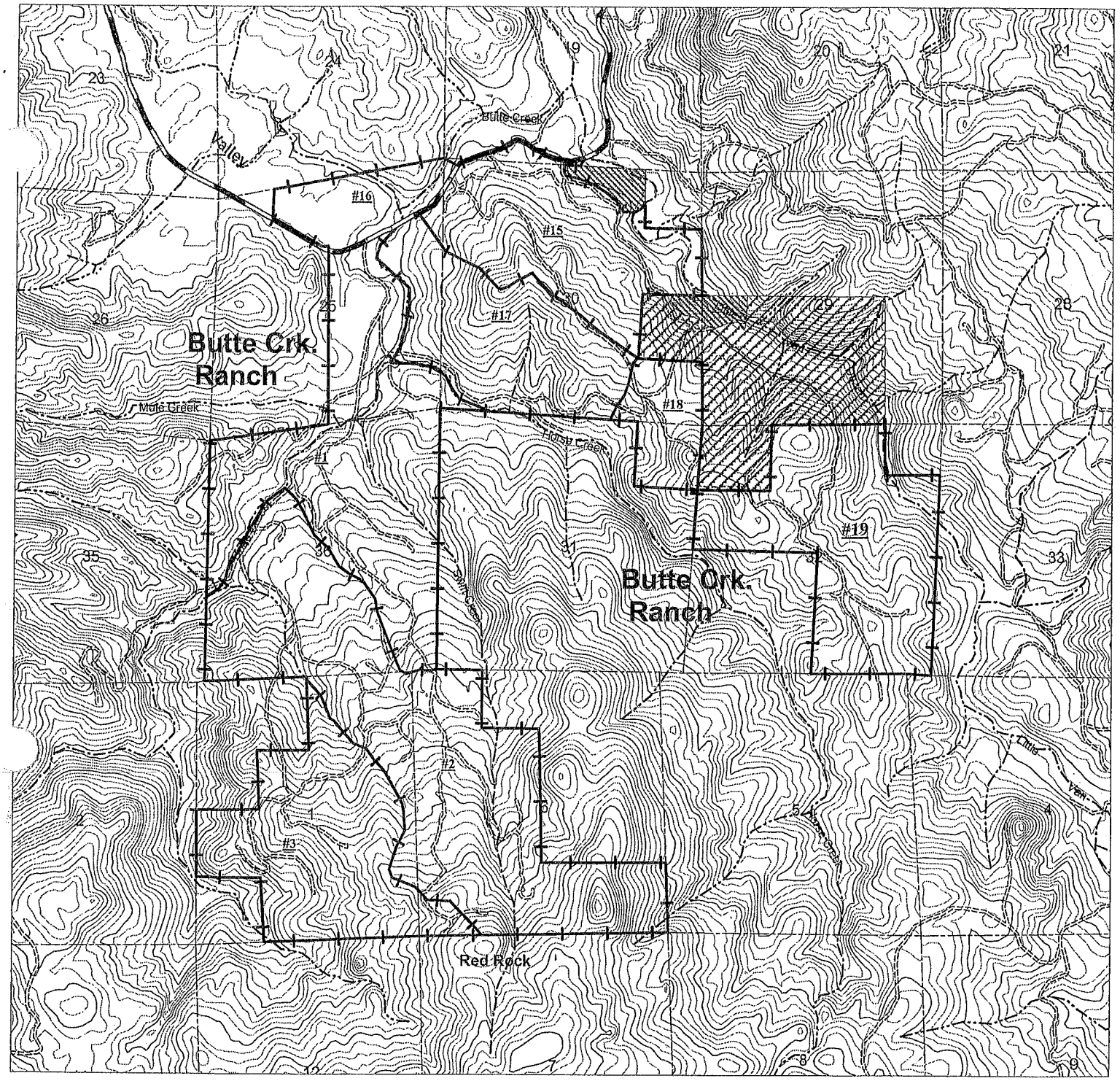
Highway 36

Graham & Gloria Property

Inholding

N

Scale: 1" = 3,000'



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Legend

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- Unit Boundary
- Seasonal Truck Road
- All Season Truck Road
- Highway 36
- Graham & Gloria Property
- Inholding

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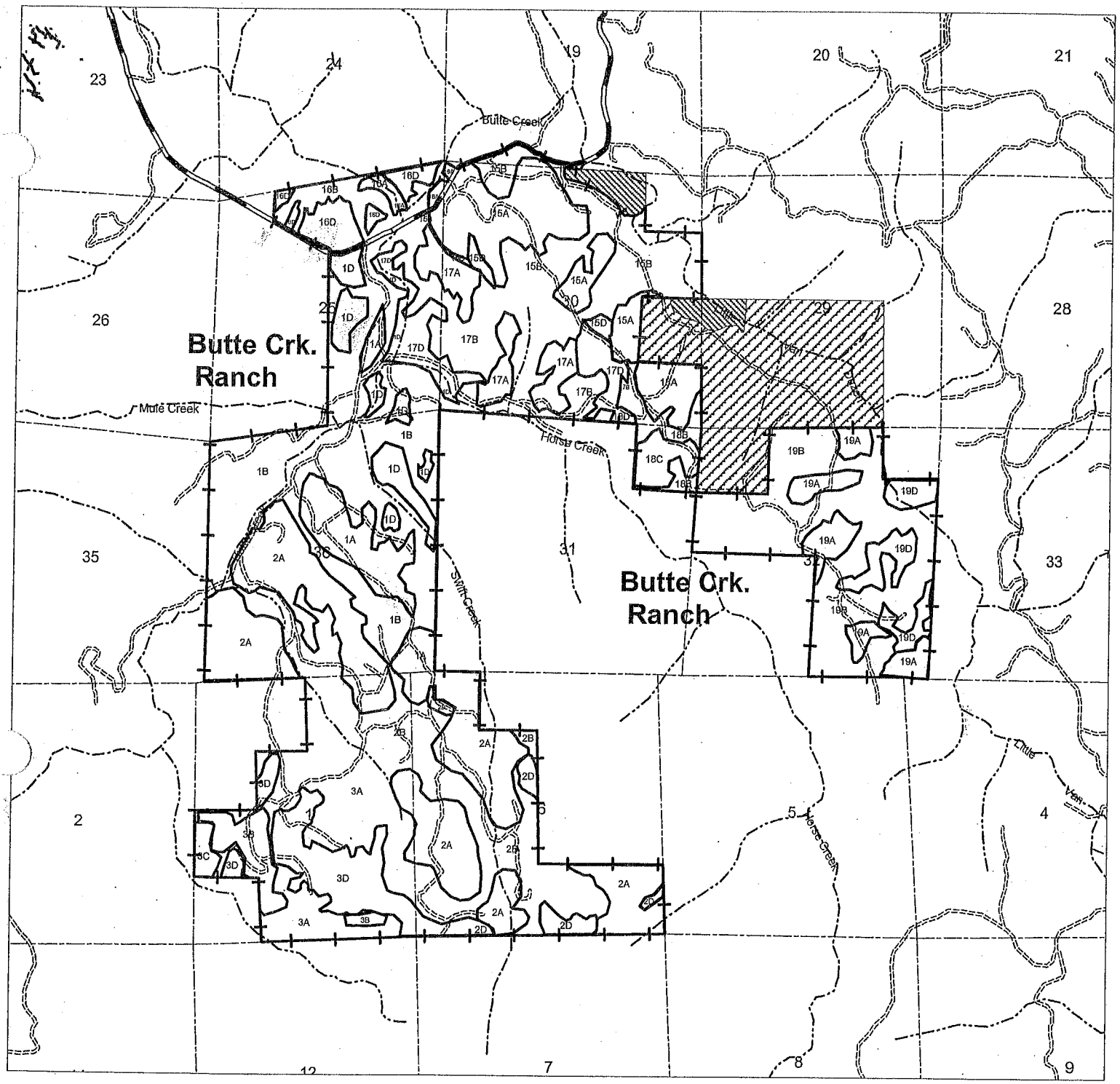

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