

1. Allotment Plan

- a. First Thot Allotment
- b. Kettle Falls Ranger District Colville National Forest
- c. Plan prepared by Jerry Stern, January 17, 1962

2. Description of Allotment

- a. Location: This allotment includes all of Sections 1 and 12, T39N., R36E.; from the southeast corner of Section 12 east to the southeast corner of Section 7, T39N., R37E.; then north and east along the Forest boundary to the County road west of Pierre Lake; thence along the County road to the junction of Sand Creek road and Pierre Lake roads; thence in a westerly direction along the Sand Creek road to the Forest boundary in Section 31, T40N., R37E.; thence south to the northeast corner of Section 1, T39N., R36E.
- b. Topography: Bench type country with steep to very steep ridges is typical on this allotment. The elevation varies from approximately 2100 feet to 4000 feet at the First Thot L.O. The grasses on the benches are usually pine grass with some wheatgrasses on the more open pine slopes. The high ridge on which the L.O. is located is very dry and is excluded as usable range for this reason.

Change description to fit new map T31/68

3. Livestock Numbers and Season

This allotment is now being used by 20 head of cattle, with the season from 5/21 to 9/21. A temporary permit for from 10 to 30 head is all that has been issued on this allotment.

4. History of Past Use

- a. This allotment was formerly a part of the Churchill Allotment. Actual use figures available on the District starts in 1943, when 10 head were permitted for 60 a.m. use. Highest permitted use was in 1947, 1948, 1949, and 1951 when 30 head and 159 a.m. were permitted. (See appendix for actual and permitted use records)
- b. In 1959, the Churchill Allotment was broken into smaller

units and the First Thot Allotment was evolved. The use prior to 1959 was apparently adjacent to the ranches, where the permittee lived, and not until that time was there any attempt to develop this range. A water development in Section 1 and a feedway through Section 36 were built at this time. In 1961, another feedway and water development was built in the Pelky Creek drainage.

- c. Changes in grazing use: This allotment is just being developed and no changes have been recorded.
- d. Big Game Use: Mule deer, whitetail deer and bear are common on the entire allotment. Most use is during the summer season, although limited deer winter range is available in an open winter.

5. Correlation With Other Uses

Pelky A Sale - created problems with McDonald's water supply.

The only conflict is that of a proposed timber sale in 1964 or 1965. A timber sale should open more country to grazing and thereby benefit the permittee. No other conflicts are anticipated.

6. Estimated Grazing Capacities

- a. Condition and Trend: There are no permanent transects on this allotment. Soil and vegetative conditions are good and the trend is static.
- b. Inventory Estimates

Grazing Capacity	A.M.	Recommended Stocking	A.M.	Permitted Stocking
22	121	20	80	20

The above estimated grazing capacity is all in Government ownership and was taken from the Grazing Survey map made in the 1940's.

- c. Estimated grazing capacity when the range is fully developed is 40 head for a four months season.

7. Administrative Studies

- a. There are no current studies being made on this allotment at this time and none planned in the immediate future.

b. Key Areas

- (1) Area adjacent to the north $\frac{1}{4}$ corner of Section one, T39N., R36E. The reason for selection is that the pattern of use now indicates the natural drift of cattle is to this area, and any over-use would show first here.
- (2) One type in the west $\frac{1}{2}$ of Section 12, T39N., R36E. The reason for selecting this area is because it is thought that over-use will occur here first if proper distribution of stock is not obtained.

The key species on both areas are pinegrass, wheatgrass, or fescue. Proper use is not over 50% by weight of any species listed.

8. System of Grazing Use

- a. Currently in Use: Since 1959, the pattern of use is as follows: the cattle are turned out a gate adjacent to private land on the west $\frac{1}{2}$ of Section one. The only developed water is close to the north $\frac{1}{4}$ corner of Section one, so the natural drift is that way. Salt was also placed in the general vicinity of the water development. From the north $\frac{1}{4}$ corner of Section one, the cattle drifted to State and private holdings in Section 36, T40N., R36E., then to the Sand Creek road and to the County river road, and then to the home ranch. After completing the circuit, the cattle were then turned out the gate on the west $\frac{1}{2}$ of Section one. The permittee recognizes the inadequacies of his current grazing system, and changes are to be made in the 1962 grazing season.
- b. Longtime Plan of Use: The allotment will be divided into four units.
 - (1) Unit #1 is located in Section one. No further developments are planned for this area at the present time. Utilization will be closely checked by the permittee and the Forest Service to determine when proper use has been attained.
 - (2) Unit #2 is the Pelky Creek drainage. Heretofore, this area has not been used because there were no water developments or good access.

In 1959 a feeway and one water development was built. These developments should change a large portion of the secondary range to primary after the current grazing season. Another feedway connecting Units #1 and #2 and one more water development is planned to further increase carrying capacity.

- (3) Unit #3 is located near First Thot Lake, the secondary one type along the east line of Section 1, and including the high one and six type between Sections 1 and 12. A short trail and a new water development will make this unit accessible and usable.
- (4) Unit #4 is the six type secondary range along First Thot road and east of First Thot Lake. This will be the last area developed.

It is planned to rotate the grazing on these units so that no one unit is used first for two consecutive years. More water developments should be constructed if springs can be found as the water problem is critical on this allotment. A drop salt system of salting has been developed with the permittee, and he will use it commencing with the 1962 grazing season.

9. Counting Livestock

Cattle can be marked or tagged at the home ranch. The best way to get a count is also at the home ranch. The present permittee pasture breeds his cattle and it is usually at least June 15 before he is ready to turn out.

10. Range Improvements

- a. Policy: The policy is to have the Forest Service furnish materials and help in construction after which the permittee will help in maintenance.
- b. List of Improvements Constructed
 - (1) Water Developments - Two developments. One in Section 1 and one in Section 12 as shown on the range type map.

- (2) Feedways - One feedway in Section one to the water trough and a feedway in Section 12 in Pelky Creek.

c. Range Improvements Planned

(1) Water developments:

- a. SE $\frac{1}{4}$ of Section 1 1962
- b. SE $\frac{1}{4}$ of Section 12 1963

(2) Feedway

- a. Connect Unit #1 and Unit #2 as previously discussed.
- b. Feedways in Sections six and seven depend on the number of logging roads developed during the First Thot sale. Feedeays may be needed but will not be developed until the sale is completed.

11. Special Management Problems

No special management problems are anticipated at this time.

FIRST THOT
ACTUAL USE RECORD

YEAR	PERMITTED STOCK NO.	A.M.	ACTUAL USE NO.	A.M.	COMMENTS
1943	10	60	10	60	None
1944	NO	RECORD			
1945	17	85	17	85	None
1946	15	72	15	72	None
1947	30	114	30	114	None
1948	30	93	30	93	None
1949	30	159	30	159	None
1950	NO	RECORD			
1951	30	100	30	100	None
1952	NO	RECORD			
1953	"	"			
1954	"	"			
1955	"	"			
1956	"	"			
1957	"	"			
1958	"	"			
1959	20	71	30	107	Forage use 30%--range in satisfactory condition.
1960	20	53	30	80	None
1961	20	80	44	109	Est. 65% use on 9/14 on Sec. 1 in the vicinity of the water trough. Cattle distribution poor.
1962	20	80	71	85	Est. 40% use 7/24 - 50% use on 7/8.
1963	20	80	7	36	- 6/3 - 10/1
1964	5	20	5	20	- 5/11 - 11/20
1965	50	200	50	273	- 5/21 - 10/31

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First Thot Allotment

PREFERENCE OBLIGATION AND RATE OF STOCKING

Preference obligation: Number _____ Season _____ Animal months _____

Temporary: Number 20 Season 5/21 - 9/21 Animal months 80

Actual use*	Current year	Previous years (indicate year)					
	1961	1960	1959				
Number	44	30	30				
Season	7/18-9/30	7/4-9/21	5/27-9/10				
Animal months	109	80	107				

Revised Estimates of Grazing Capacity

Based on scorecard capacity guide tables	How actual utilization checks with indicated capacity (Record amount of use received each season at the date proper use is reached)						
	Current year	Succeeding years (indicate year)					
Number							
Season							
Animal months							

Attach analysis tabulations, calculations and individual condition class writeups, maps, etc. Make cross-references to or include other data such as range inspections, administrative studies, climatic records, periodic utilization, production, and plant development measurements.

Miscellaneous information (recommendations or cross-references for range improvements, special problem areas, etc.).

*Actual use by big game animals must be considered in preparing scorecards. This should be done on a utilization basis and not number of animals.

VEGETATIVE CONDITION CLASSIFICATION BY RANGE TYPES SUMMARY SHEET

Forest Colville Ranger district Kettle Falls Allotment First Thot

Date completed _____ By _____

Kind of livestock Cattle

- 1. Suitable for grazing use 1315 acres
- 2. Unsuitable for grazing use 1612 acres
- 3. Total area open for grazing use 2987 acres
- 4. Waste area _____ acres
- 5. Closed to livestock use _____ acres
- 6. Total area unusable _____ acres
- 7. Net area of national-forest land 2987 acres
- 8. Alienated land 544 acres
- 9. Gross area in allotment 3531 acres

Condition class	Vegetation types (acres) - primary range open for grazing								Total
	1	2	3	4	5	6	6(Priv)		
Excellent									
Good						78	81		159
Fair									
Poor									
Very poor									
Total						78	81		159

Condition class	Vegetation types (acres) - secondary range open for grazing								Total
	1	2	3	4	5	6			
Excellent									
Good	170				21	1076			1267
Fair									
Poor									
Very poor									
Total	170				21	1076			1267

TREND IN SOIL AND VEGETATIVE CONDITION SUMMARY SHEET

Forest Colville Ranger district Kettle Falls Allotment First Thot

Date completed _____ By _____

Kind of livestock CattlePrimary Range

Condition class	Vegetative trend (acres)				Soil trend (acres)			
	Up	Down	Static	Total	Up	Down	Static	Total
Excellent								
Good			78	78			78	78
Fair								
Poor								
Very poor								
Total			78	78			78	78
Percent				xxxxx				xxxxx

Secondary Range

Condition class	Vegetative trend (acres)				Soil trend (acres)			
	Up	Down	Static	Total	Up	Down	Static	Total
Excellent								
Good								
Fair								
Poor								
Very poor								
Total								
Percent				xxxxx				xxxxx

ESTIMATED GRAZING CAPACITY SUMMARY SHEETForest Colville Ranger district Kettle Falls Allotment First Thot

Date completed _____ By _____

Kind and class of livestock _____ Cattle _____1. Present Obligation and Stocking Ratesa. Paid - Number 20 Season 5/21 - 9/21 Animal months 80

Exempt - Number _____ Season _____ Animal months _____

Total - Number _____ Season _____ Animal months _____

b. Present rate of stocking, open for grazing _____ acres per cow month.

2. Revised Estimate of Grazing Capacity - Primary Range

a. Indicated capacity - Animal months _____ Desired season _____

b. Indicated proper rate of stocking, suitable for grazing _____ acres per cow month.

c. Brief summary for basis of above estimates. (Allotment-analysis data, range-inventory data, actual-use records, range inspection, utilization, proper-use studies, etc. Use reverse side of form for summary statements and estimated grazing capacity calculations.)

3. Adjustments Needed to Balance Obligation with Estimated Grazing Capacity of Primary Range

a. Number _____ Animal months _____

and/or

b. Seasonal change _____ Animal months _____

RAA ACCOMPLISHMENT RECORD TO 6-30-66 AND PROGRAMED FY 1966 TO 1969
(REFERENCE FSM 2210.3 SUPPLEMENT, FSH 2212.01 R1)

FOREST <i>Corville</i>	ALLOTMENT <i>First Thot</i>	DISTRICT <i>Kettle Falls</i>
COMPILED BY <i>Bert Morris</i>	DATE <i>12/20/64</i>	

INSTRUCTIONS: TO BE COMPLETED BY RANGERS IN DUPLICATE FOR ALL ALLOTMENTS. COMPLETE FOR AT LEAST ONE-HALF THE ALLOTMENTS IN 1965 AND THE REST IN 1966. FILE ONE COPY IN ALLOTMENT FOLDER AND SEND ONE COPY TO SUPERVISOR WITH THE ANNUAL RANGE ALLOTMENT ANALYSIS ACCOMPLISHMENT REPORT. THIS FORM WILL ALSO BE USED BY REGIONAL OFFICE AND FOREST STAFF TO INSPECT QUALITY OF WORK ON INDIVIDUAL ALLOTMENTS.

ITEM (PARENTHEZIZED NUMBERS ARE REFERENCES TO SECTIONS IN FSH 2212.01 R1)	COMPLETED TO STANDARD			REMARKS
	YES	NO	WILL BE BY	
FIELD MAPPING AND SAMPLING				
1. BASE MAP SUITABLE (222)	✓			
2. AERIAL PHOTOGRAPHS (213)	✓			
3. PRELIMINARY PHOTO INTERPRETATION ACCURATE (221)	✓			
4. FIELD MAPPING TO ADEQUATE STANDARDS (230)				
A. SUITABLE RANGE, PRIMARY AND TRANSITORY	✓	✓		<i>changed by logging</i>
B. VEGETATION TYPES	✓			
C. RANGE CONDITION CLASS	✓			
D. TREND	✓			
E. RANGE IMPROVEMENTS: FENCES, CORRALS, WATER- ING PLACES, ETC.	✓			
F. RANGE REHABILITATION: SEEDING, WATER SPREADING, UNDESIRABLE PLANT AND NOXIOUS WEED CONTROL, ETC.			<i>None</i>	
G. PROBLEM AREAS	✓			
H. LOCATION OF STUDIES AND TRANSECTS			<i>''</i>	
I. GAME HERD UNIT BOUNDARIES			<i>''</i>	
J. KEY GAME AREAS			<i>''</i>	
K. CULTURAL FEATURES: FENCES, ROADS, TRAILS, ETC.	✓			
L. LAND CORNERS AND BOUNDARIES	✓			
M. STANDARD SYMBOLS USED (231)	✓			
5. CONDITION AND TREND TRANSECTS				
A. NUMBER PERMANENT 3-STEP TRANSECTS (321.1) ESTABLISHED			<i>None</i>	
B. NUMBER PACED 3-STEP TRANSECTS MEASURED. STARTING POINT PERMANENTLY MARKED AND BEARING RECORDED (323)			<i>''</i>	

ITEM (PARENTHEZIZED NUMBERS ARE REFERENCES TO SECTIONS IN FSH 2212.01 R1)	COMPLETED TO STANDARD		
	YES	NO	WILL BE BY
OFFICE MAP WORK AND DATA COMPILATION (CON.)			
8. FINAL MAP (760)			
A. DRAFTING ADEQUATE	✓		
B. BASIC DATA (ITEMS 1-8, SECTION 760) ADEQUATE	✓		
C. OVERLAYS PREPARED AS NEEDED			None
D. COLORED AS NEEDED (770)			
E. DISTRIBUTED AS (780) REQUIRED			8/1/67
F. STORAGE OF BASE TRANSPARENCIES ADEQUATE (781)	✓		
PLANNING			
1. GRAZING CAPACITY ESTIMATES			
A. ESTIMATED GRAZING CAPACITY SUMMARY SHEET, RI-2210-9 (810)	✓		
B. RANGE SURVEY, GRAZING CAPACITY ESTIMATES, RI-2210-10	✓		
C. RECORD OF GRAZING USE, RI-2210-11 COMPLETED FOR YEARS	22		
2. ASSEMBLING INFORMATION (820)	✓		
MANAGEMENT PLAN			
1. OFFICE SECTION (840-841-842)			
A. ALLOTMENT DESCRIBED BY METES AND BOUNDS	✓		
B. MANAGEMENT SYSTEM (INTENSIVE) (841, ITEM 6)			
PLAN MADE	✓		
PLAN EFFECTED		✓	
C. RANGE DEVELOPMENT PROGRAM (841, ITEM 7)			
PROGRAM PLANNED	✓		
AGREEMENT SIGNED		✓	
PROGRAM COMPLETED			
2. FIELD SECTION (850-851-852)			
3. PERMITTEE INSTRUCTIONS (860-861-862)			

50% complete

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The only conflict is that of a proposed timber sale in 1964 or 1965. A timber sale should open more country to grazing and thereby benefit the permittee. No other conflicts are anticipated.

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(2) Feedways - One feedway in Section one to the water trough and a feedway in Section 12 in Pelky Creek.

c. Range Improvements Planned

(1) Water developments:

- a. SE $\frac{1}{4}$ of Section 1 1962
- b. SE $\frac{1}{4}$ of Section 12 1963

(2) Feedway

- a. Connect Unit #1 and Unit #2 as previously discussed.
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