

BLM Price Utah Nov 3 & 4 1965

Hadden Flat - Buckhorn allotment

Personnel discussing

Loren Walker DM

Gerald Muhlstein (project mgr.)

Gary L. Hansen

John Carlson

Mel Staheli



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
State Office
3022 Federal Building
Phoenix, Arizona 85025

IN REPLY REFER TO.

RPM
4412.3
(1400-410)

November 9, 1965

Mr. A. L. Hornay
Forest Service, U.S.D.A.
Pacific Southwest Forest & Range Exper. Sta.
1960 Addison Street
Berkeley, California

Dear Mr. Hornay.

Our Director's memorandum 65-400 of August 27, 1965 scheduled your visit to Arizona in the period November 29 through December 3.

We propose the following itinerary.

Assuming that you can arrange to fly to Cedar City, Utah, we will arrange to meet Bonanza Airlines Flight #511 at 1:15 p.m., Monday, November 29. This flight leaves Salt Lake City at 12:10 p.m.

Travel to St. George by auto.

Hold office sessions with District Manager and staff on November 29 (p.m.) and 30.

Tuesday, November 30 - fly to Phoenix via Bonanza Airlines Flight #515, leaving Cedar City 8:40 p.m., arriving Phoenix 10:45 p.m.

Wednesday, December 1 - Hold office sessions with District Manager and staffs from the Kingman and Phoenix Districts.

By coincidence the District Manager has scheduled a joint meeting of the District Advisory Boards of the Kingman and Phoenix Districts on Wednesday forenoon. We would appreciate having you talk to the Board on Rest-Rotation. If you agree, we will schedule you for one hour, including time for questions. We can have the necessary "props" - flip chart, blackboard, projector, etc. available for your use, if you need them.

On Wednesday p.m., hold office sessions with District staffs.

Thursday, December 2 - To Safford by auto. Office sessions and field trip to Murchison allotment.

Return to Phoenix Friday p.m.

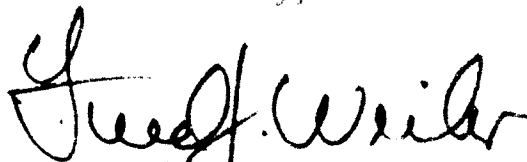
If you want to fly home Friday night we can have you in Phoenix in

time to board TWA Flight #183, leaving Phoenix at 6:10 p.m. and arriving
in San Francisco 6:53 p.m.

If you have any comments or suggested modifications, please let us have
them.

We are looking forward to your visit.

Sincerely,

A handwritten signature in cursive script that reads "Fred J. Weiler". The signature is written in dark ink and is positioned above the typed name.

State Director

UNITED STATES
DEPARTMENT OF THE INTERIOR
Bureau of Land Management
Washington, D. C. 20240

In Reply Refer To:
4412.2 (712a)

November 12, 1965

Instruction Memo No. 65-487
Expires 6/30/66

To: SD's and DM's (Except Alaska)
Chiefs RS&T, DSC and PSC

From: Assistant Director, Resource Management

Subject: Range study procedures on rest-rotation grazing system trials

Most field offices now have a rest-rotation system that has been reviewed by Mr. Hormay. In some instances, the system is in operation on the ground. Since this is essentially a trial program, it is mandatory that any changes occurring in the forage and soil resources because of this grazing management be documented by appropriate range study procedures. The trials with rest-rotation grazing will be meaningless unless we collect and evaluate data to determine the effectiveness of the system.

Provisions must be made to obtain the following data annually on each rest-rotation grazing system as it is put into operation: Actual use, utilization and trend. Manuals concerning each of these study procedures are in preparation and will be released between now and March 15, 1966.

In the interim period, to plan ahead for establishing study plots on rest-rotation pastures, the following guidelines will be followed:

1. Actual Use. It is essential to have reliable figures on numbers and kinds of animals and season of use on each pasture in the rest-rotation system. In most cases, records of licensed use will not suffice to provide actual use data. Therefore, you should plan to make livestock counts, paint branding or marking or other reliable actual use records, and followup supervision during the grazing cycle if need be. Utilization and trend data and their evaluation will have little value without actual use records.

2. Utilization. Until such time as the utilization manual is released, portable utilization cages should be established to be used as a bench mark in estimating utilization. These should be placed in representative areas of key range types. Use of these cages will be an important feature of some methods of utilization as contained in the manual. Therefore, establishment and use at this time will be time and effort well spent.

UNITED STATES GOVERNMENT - Forest Service
 Susanville, California 96130

Memorandum

TO : District Ranger - Susan River

2220
 DATE: November 15, 1965

FROM : Irwin E. Bosworth, Forest Supervisor, Lassen, By

SUBJECT: Management - Lower Pine Creek Allotment

RECEIVED
 SUSAN RIVER

Reference is made to your memorandum to the files dated November 8, 1965.

Date NOV 16 1965
 J. R. _____
 A. D. R. _____
 F. C. O. _____
 T. M. A. _____
 n. Cor. _____
 P. S. O. _____
 P. S. O. _____
 Clerk _____

The drift fence at the north end of Little Antelope is needed. The alternate location might prove the best for ease in construction and maintenance. This should probably be a 4-wire fence in the open areas and 3 wires otherwise. Two wires will rarely turn a cow that wants to go somewhere.

The holding field in Pine Creek is probably also a needed facility but should be built and maintained to definite standards, which should be outlined in the special use permit.

The proposal at Coyote Reservoir should not be approved for several reasons:

1. To fence off water on another permittee's allotment is ordinarily not a good idea unless the permittee using the allotment also wants it.
2. There is a little dry meadow at Coyote which presently receives heavy use because of the proximity of water. If 500 head of cattle are corralled there overnight every year, what little meadow there is will soon be gone.
3. With water in such a holding field, it seems to happen that for various reasons the stock are sometimes left there for more than one night.

The possibility of a holding field at some other nearby location can be looked into, tho after leaving this locality, the Mapes cattle are not presently using any established stock driveway. Problems may arise in this regard that might preclude the use of this route. Some suitable location in this vicinity, however, does tie in with the use of the regular driveway and also puts them further on the way than the present field at Champs. Other nearby locations can be discussed and should a permit be issued, fence specifications should be outlined and also there should be a clause calling for the removal of the holding field at Champs.

Trips and reports of the type recorded in your memorandum of November 8 are part of good range management and it is good to see them being made.

Philip K. Lord

4210

November 12, 1965

Mr. Fred J. Weiler
State Director
Bureau of Land Management
3022 Federal Building
Phoenix, Arizona 85025

Dear Mr. Weiler:

Your program for the week of November 29 through December 3 on grazing management looks both interesting and inviting and is satisfactory with me. I will plan to be in Cedar City at 1:15 pm. Monday, November 29. I'd like to return to San Francisco on Friday on the plane flight you mention. I will be glad to talk to the District Advisory Boards.

Sincerely yours,

A. L. Hormay

A. L. HORMAY
Range Conservationist

AlHormay:etr

UNITED STATES GOVERNMENT

Department of Agriculture—Forest Service
Berkeley, California 94701

Memorandum

TO : E. R. Doman, ANF, R-5

File No. 4210(2200)

FROM : E. G. Dunford, Assistant Director

Date: November 26, 1965

SUBJECT: Range Programs (Harvey Valley Evaluation)

Your reference:


Jack Reppert has developed the enclosed outline as a proposed framework for the Harvey Valley report. He would like the report to answer these main questions:

1. How well is rest rotation at Harvey Valley doing what it is supposed to do and how do conditions compare to those in nearby allotments?
2. What more can we learn by a future evaluation at Harvey Valley and what important questions will remain unanswered by such future study?

These broad questions will permit using any material considered pertinent. The outline indicates present ideas on organization and relative merit of the many segments of knowledge. Because these organizational ideas are not fully mature and can and likely will be adjusted, we would like your critical review and comments. By copy of this memorandum we are also asking Irwin Bosworth for his comments.

Enclosure

cc: Bosworth
Roney
W.O. (2)
Reed
Hormay
Reppert (3)
Dunford



JNReppert:etm

OUTLINE FOR THE
REPORT OF HARVEY VALLEY EVALUATION

by

Jack N. Reppert and Raymond D. Ratliff

I. Conclusions

- A. List the factors that clearly and reliably support the contention that rest-rotation management at Harvey Valley has (or has not) accomplished what was expected of it. Tell what factors are most convincing and why.
- B. List the major additions to knowledge expected from continued planned study and evaluation of rest-rotation management at Harvey Valley. Also list important unanswered questions related to Harvey Valley--questions that will not be answered by present planned line of investigation.

II. Background - Why Harvey Valley?

- A. History of Harvey Valley allotment.
- B. The need for improved management, development of rest-rotation principles to meet the need, and the particular rest-rotation prescription for Harvey Valley allotment.
- C. Major improvements and treatments applied at Harvey Valley--seeding, spraying, rest, grazing use, fencing, and water development.
- D. Expected responses to rest-rotation management at Harvey Valley.
- E. Trends in research investigations. Originally nearly all our effort on Harvey Valley, now study on adjacent allotments has been increased. The merits of this increased study on outside ranges.

III. Research Approach

- A. Through studies on 26 pairs of comparable macro plots, make quantitative comparisons of current range condition on specific range sites subjected to rest-rotation (Harvey Valley) and

seasonlong use (adjacent allotments). Use available information about past utilization, weather, fencing, etc. to estimate past trends and cause of change in relation to expected responses (e.g. increased litter, plant vigor, etc.) from rest-rotation at Harvey Valley.

- B. Study and discuss implications of Lassen Forest condition and trend transects in Harvey Valley allotment and on adjacent allotments.
- C. Study data from Station's condition and trend transects (established by A. L. Hormay). Use transects in exclosures to aid in determination of weather cycle effect, if possible. Keep in mind, the range unit grazing treatments and weather conditions preceding the readings, the lack of transects in outside allotments, repeatability of the procedure, compatibility with comparable plot and Lassen Forest C & T data. Make conclusions about the merit of using this body of data, now or in the future.
- D. Review body of past data on livestock weight response, looking especially for trends in performance. Consider weather and forage years, range unit grazed and class of livestock.

IV. Results of Studies (Methods placed in appendix)

Data will be presented in tables and graphs showing condition and trend where possible. Meaningful photographs will be used for further documentation. Segments of data are as follows:

- A. Conditions on twenty-six comparable pairs of plots.
 - 1. Basal cover
 - 2. Species composition
 - 3. Herbage production
 - 4. Plant vigor - 5 measures
 - 5. Plant size class and condition
 - 6. Perennial grass seedling counts
 - 7. Tree canopy cover
 - 8. Soil profile description
 - 9. Leaf tissue analyses - 5 determinations
 - 10. Soil nutrient analyses - 5 determinations
 - 11. Soil compaction
- B. Lassen Forest condition and trend transects.
 - 1. Species composition
 - 2. Basal cover

- C. Station's condition and trend transects.
 - 1. Species composition
 - 2. Basal cover
- D. Livestock weigh gains and trends.
 - 1. Several years of weight change information within Harvey Valley.
 - 2. Comparison with weight gains of replacement heifers in Gray Valley for 1965 season.
- V. Economic Considerations. This subject will be discussed to the extent available information permits.
 - A. Costs associated with rest-rotation at Harvey Valley.
 - B. Values and benefits - to the range resource and in the livestock production.
 - C. Alternatives and consequences. Consider the history of previous cuts in numbers and the value of rest-rotation management in ending this trend.
- VI. Use of above and other information (e.g. allotment use and range unit utilization data) from Harvey Valley allotment to make management recommendations.
- VII. The value of a future evaluation at Harvey Valley.
- VIII. A discussion of the important questions that will remain unsolved even with a future evaluation.
- IX. Appendix (Methods and Literature Cited).