

WALDO WOOD

January 6, 1959

ASSISTANT REGIONAL FORESTER, BY

G-MANAGEMENT, Harvey Valley film

Mr. DeNio passed your letter and attachments concerning the Harvey Valley film onto me for review. He suggested that we have your "Statement of Objectives" copied and sent to CF&RES, R5 I&E, Lassen Forest and Gus Hormay. We are doing this now. It will take a while to get the reviews back from all of those concerned, but we will push for early replies.

We should be able to get the finished "Statement of Objectives" to the W.O. and get a project number assigned while you are still there. We could then send you the exposed films we have here for copying and and filing under the project number. The personal attention you could give to this would assure us of getting off to a good start.

I like the statement of objectives the way you have written them. It gives us a pretty clear cut idea of what to take pictures of. Now all we have to do is find those situations at the right time of year with the proper photogenic action. It is going to be a pretty big project.

Enclosed is a book of revised field data sheets.

Needless to say, this requires an early revision of some field guide instructions and the plant list. The latter to conform with the preference ratings for browse as provided on the back of the data sheet.

Dasmann and Zumwalt plan to start work on these revisions soon and as they are developed in rough draft form we will mail them to you for review.

Lloyd L. Barnhart

Enclosure

STATEMENT OF OBJECTIVES

Title: "Rest-Rotation Grazing Management"

Purpose: To provide a visual and medium for extending to forest rangers and stockmen the knowledge of the development, objectives, planning, application and benefits of rest-rotation grazing systems in the management of range lands.

Message to be conveyed: Rest-rotation grazing management is a system used successfully to secure high efficiency in utilizing forage while at the same time improving the range and increasing grazing capacity. Properly planned and applied it will aid to:

- (1) utilize forage on remote areas which is not grazed under "open range" management.
- (2) equalize use among high and low palatable plants by forcing utilization on the latter.
- (3) prevent concentrated grazing year after year on certain locations, species and individual plants preferred by livestock.
- (4) provide rest periods for plants to restore their vigor and produce more abundant and viable seed.
- (5) disseminate and plant native seed on natural range areas by livestock trampling during late season periods of heavy use.
- (6) provide opportunities during the "rest periods" for artificial seeding, spraying and other treatments to rehabilitate range areas in poor or depleted condition.
- (7) provide protection to germinating seedlings and young forage plants.

(More)

Audience to be reached: Supervisory and other range management personnel in Region 5 and adjacent regions, as well as stockmen and closely allied cooperative agencies in California.

Method of treatment: The picture will be filmed on the Harvey Valley (Pilot) Grazing Allotment on the Lassen National Forest in California. Scene sequences will include live action, maps and charts. Narration will be prepared to describe all action and planning scenes. Musical and other sound effects to be added as appropriate. Sound strip to be placed on film.

Type of picture: Color, 16 m.m. sound, 2 or 3 reels (400 ft.), or about 800 to 1000 feet of film, (25 to 35 minutes, approximately)

CC: CF&RES
R-5 I&E
Lassen N.F.
Gus Hormay

EJW

SUPERVISOR-LASSEN

January 7, 1959

ASSISTANT REGIONAL FORESTER

C-101A-1000, Harvey Valley Film

At the Harvey Valley meeting held in the Lassen office on Wednesday September 10, it was agreed that a documentary film should be made showing the rest-rotation system of grazing as developed at Harvey Valley.

Waldo Hood was given the green light to explore the possibilities and determine the framework within which he must operate to produce the film.

As you may know, Waldo is now on detail to the Washington Office. He has discussed the film production with the W.O. who in turn has provided him with the following set of guidelines for producing the film.

1. R5 to prepare a "Statement of Objectives" and submit to W.O. who will obtain clearance from W.O. Division and the Department Motion Picture Service. A project number will be assigned.
2. All film must be exposed ²⁴ frames per second (sound strip speed). Exposed rolls to be copied, numbered and original filed in W.O.
3. Work prints (copies) of each roll shall be reviewed by interested people in R5. Scenes will be indexed and described and finally edited and synchronized with sound.

The statement of objectives (item 1 above) has been prepared in rough draft and we are now submitting it for your review. We would like to have your comments and suggestions as soon as possible in order to submit the final statement to the W.O. while Waldo is still there to give it his personal attention.

REGINALD M. DENIO

CC: CHSRS-Woolfolk ✓
R-5 I&E
Gus Hormay

R. M. DE NIO, Range Management, R-5

January 20, 1959

E. J. WOOLFOLK, Range Management Research

copy
R(G)-CAL, MANAGEMENT, Harvey Valley Film

In accordance with your memo of January 7, I have reviewed the statement of objectives for the Harvey Valley film prepared by Waldo Wood. Also, in the interests of time, I asked Hornay to do so too while he was in Berkeley recently. A restatement of the points to be covered was written by Gus and is attached herewith. This has been typed exactly as he prepared it and is free of any outside comment.

My own comments are few. First, point No. 3 is completely erroneous and should be deleted. Further, the system only tends to do the things covered by items No. 1 and No. 2. These might well be restated somewhat as Gus has done. My final point is that the statement of purpose is rather loosely written. It should be tied specifically to northeastern California bunchgrass ranges. We still have not shown that it can be used on any or all range types.

In line with our recent discussion of this whole subject, Alva Neuns can be made available for whatever time necessary to supply information to the W. O. and to prepare a shooting script if you desire to use her talents. I suggest that she be required to read all available material on Harvey Valley and to discuss the subject at length with Hornay before any assignment is made.

Attachment

EJWoolfolk:mm

MESSAGE TO BE CONVEYED:

Rest-rotation grazing--a system of grazing management that will improve and maintain bunchgrass ranges and increase grazing capacity and livestock production. Properly timed rest from grazing is the key to the success of the system.

Rest-rotation grazing:

1. Encourages establishment of reproduction of forage species which is the basis of improvement. Livestock trampling at the time of seed ripening is an essential step in the process of getting reproduction.
2. Provides for reestablishment of vigor of grazed plants thereby encouraging seed production and maintenance of existing plants.
3. Provides for efficient utilization of the available forage species--those of low as well as high palatability.
4. Encourages better distribution of livestock over the range and therefore better use of normally lightly grazed areas through subdivision of the range.
5. Provides a forage reserve that can be used to maintain stocking through the normal grazing season in case of emergencies like drought.
6. Provides for the application of artificial reseeding, spraying, and similar cultural practices without additional investment in grazing management facilities.

HV
KEITH ARNOLD, DIRECTOR

January 26, 1959

R. J. WOOLFOLK

NR-CAL, RESEARCH PROGRAM, Review 1/14/59

As you know, the divisions of Range and Wildlife Management and Range Management Research met on January 12, following the more general program review on January 7 and 8 to closely examine our current range research program. The entire staffs of the two divisions, save Waldo Wood of Range and Wildlife Management, attended this meeting. On the following day, Reed, Horvay, and I considered the Harvey Valley program at some length with the Range and Wildlife Management staff and Supervisor Parker and Asst. Lord from the Lassen. Several important decisions resulted from the thorough, frank discussions. The purpose of this memo is to record the major items considered and the decisions reached.

The Over-All Program

As a result of continuous, close contact the over-all range research program has been and still is fairly well known by the Range and Wildlife Management personnel. Even so, early discussion brought out some questions concerning general orientation and priorities existing. At the time these questions were raised it was also pointed out that problems are not well known and priorities perhaps not completely realistic. Continuously increasing demands on natural resources create new problems and priorities shift accordingly. Changes in personnel and philosophies have a bearing too. Project and problem analyses help to properly orient research but not all needed analyses have been made and those completed quickly get out-of-date. Furthermore, range management on the forests and active research programs cannot be set aside or held in abeyance until broad over-all analyses are developed. Consequently management continues on a hand-to-mouth basis and research is done on problems of apparent high priority. In many cases action programs on the range could be improved through prior consultation with research and a joint examination of available information and knowledge. Similarly research can be better geared to needs by joint consideration in the planning stage.

Range Management Research has a greater responsibility than has been realized for the proper direction of action programs on national forest ranges. Responsibilities can be met only through knowledge of problems and needs and with adequate resources to do the required research. Such knowledge can come through individual contact and experience, a

2-The Director-1/26/59

long and costly procedure, or through frequent joint considerations by management and research groups.

National Forest Resource Administration is only one of several customers for range research results. This factor further aggravates the existing situation. Another important factor is variation in research needs between national forests and private ranges and the fact that a given research undertaking may not satisfy both fields. Balance between long-term and short-term research undertakings is another item of important bearing. Perhaps an increase in short-term projects would give Range and Wildlife Management more answers. Long-term projects obligate men and funds indefinitely and are not easy to change.

Careful consideration of these and many other items led to the following firm decisions.

1. Range and Wildlife Management and Range Management Research should get together soon to consider all range research information available that might be applicable in some degree in the management of national forest ranges used by livestock and deer. Ways of getting useful research information to the land managers should be considered at the same time. All this in lieu of and without terminating research and action programs until a broad, over-all, regionwide range problem analysis can be developed.
2. Annually, Range and Wildlife Management with desired assistance from the national forests, will list all national forest range problems requiring research in the order of their current importance. This is preparation for an annual meeting with Range Management Research designed to re-examine problem priorities and to improve the balance of going research programs. The first of such meetings will be called by the undersigned on or about April 1st. Any agreed upon shifts in emphasis would be effected at the earliest possible date.
3. Annually, the men in both divisions concerned primarily with wildlife habitat should get together in the field to correlate their viewpoints and programs.
4. Range Management Research should give more attention to allotment analyses and range condition and trend than in the past and continue to accept training in these technical subjects as part of its responsibility.

Harvey Valley

Our consideration of this program covered everything from the beginning of range research at Burgess Spring in 1935 to the present. The design, objective and status of every study, range improvements, plans, publications--all were discussed and clearly presented to everyone present. It is regrettable that this had not been done previously.

3-The Director-1/26/59

Everyone directly concerned now knows the exact status of all phases and need not rely on others for current information from here on out. Contrary to my report following a similar but shorter meeting in Susanville, the planning of all program phases at Harvey Valley has been well handled and is up-to-date. Furthermore, Harvey has not deviated from the written plans, as once thought, and has not in any case substituted one kind of improvement for another. All improvement work has been done by the forest. About \$16,000 worth of improvements remain to be constructed or installed on Harvey Valley over the next 4 years. Assurance was given by Mr. Bernard that funds would be available to complete this portion of the demonstration as planned.

The need for tighter control of the livestock in the administration of Harvey Valley was discussed. Gates are left open by negligent travelers and the mixing of groups of cattle effect range treatments and results. It was agreed that a fulltime range rider was needed to successfully cope with this situation. The forest will contact the permittee on this point. Equal salary contributions for a rider by the permittee, the forest, and Range Management Research might be necessary to initiate the practice. It might be possible too, to divert grazing fees into a cooperative working fund which could be used for this and other purposes. This is being investigated.

A need for additional research information on two subjects was revealed. Both the forest and Range and Wildlife Management personnel spoke of the impact of deer on livestock range. There is believed to be considerable deer pressure in Harvey Valley now. Also, it is a good place to study deer-livestock relations. The second need is for information on the effects of livestock grazing under the rest-rotation system on pine forest regeneration. Again the proposal is valid and the opportunity exists. Both of these needs can be met only if and when additional personnel are assigned to the Harvey Valley program.

Some further consideration was given to the subject of field days and ways of making them more successful. There was no opposition to the suggestion that they be held in alternate years, the next one in 1960, and that the Lassen Forest retain responsibility for leadership. It may be necessary to seek sponsorship by a civic or business group such as a Chester or Susanville club, a county cattlemen's association, or even the California Cattlemen's Association. Possibilities of this sort should be prospected within the year by the Forest and the divisions of Range and Wildlife Management and Range Management Research.

Finally it was proposed that the salary and expenses of A. L. Harvey's position be shared by the division of Range and Wildlife Management. This, because of the increasing amount of show-me and public relations effort demanded in connection with Harvey Valley and the growing need for application of rest-rotation grazing on other forest allotments.

to the Director-1/26/59

Such sharing would also release research funds for the collection and handling of research data by lower grade range technicians. No opposition to this proposal was heard even though a specific division of costs was not suggested. The following suggestion is offered for consideration in order that this division may be worked out before the end of this fiscal year.

Bornay's present salary (plus retire., etc.)	\$5,869
Annual yearly expenses	1,000
Total	<u>10,869</u>
FRS share (50 percent)	\$5,435
RSL's share (50 percent)	5,434

cc: AlHornay
RDeNic
Lasso

Woolfson