

# STATE OF MONTANA



## DEPARTMENT OF

## FISH AND GAME

Helena, Montana 59601  
October 8, 1975

Mr. Harry R. Finlayson  
District Manager  
Bureau of Land Management  
P. O. Box 430  
Salmon, Idaho 83467

Dear Mr. Finlayson:

We would appreciate receiving a copy of the Challis Planning Unit Grazing Environmental Impact Statement draft. We received a form letter from the Natural Resources Defense Council, Inc., people wherein they indicated they had several suggestions for the Challis EIS. They did not specifically mention utilization of Hormay's "Principles of Rest Rotation Grazing and Multiple-Use Land Management." We sincerely hope this grazing management system as described by Hormay is given every consideration in your deliberations. In fact, we would assume that because Mr. Hormay is a Range Management Specialist for the Bureau of Land Management, your "EIS Staff" would avail itself of his services.

Sincerely,

WESLEY R. WOODGERD  
STATE FISH AND GAME DIRECTOR

By: Wynn G. Freeman, Administrator  
Game Management Division

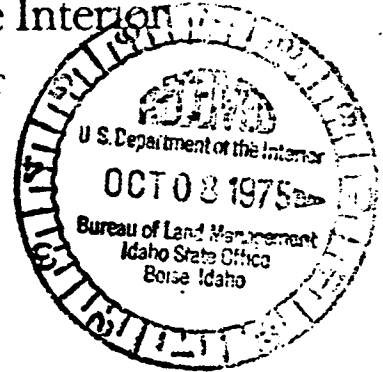
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cc: Natural Resources Defense Council, Inc.  
State Office - BLM  
✓ August Hormay  
Steve Bayless



United States Department of the Interior

BUREAU OF LAND MANAGEMENT  
 WASHINGTON, D.C. 20240



To: State Director, Idaho  
 From: Range Conservationist, DSC  
 Subject: Management Indian Jake Allotment

Jens Jensen phoned me this spring that the Boise District and Dave Little, permittee, wanted further suggestions from me on management of the Indian Jake allotment near Emmett. I have offered suggestions on this allotment before at the request of the District and Dave.

I got to visit the allotment September 8. I was accompanied by

Jens Jensen, Range Specialist, your office  
 Malcom Schnitker, Cascade Resource Area Manager  
 Gary Hall, Range, Cascade RA  
 Jim Little, Dave Little's son

Dave was away on a trip to Europe so could not be present. He left questions on the allotment with Jim.

I visited the allotment first on August 2, 1968, with Idaho State Office and Boise District personnel, Don Pendleton (then with the Portland Service Center) Idaho Fish and Game representatives, and Dave and Jim Little. I made return trips with Bureau people and usually the permittee each year to date except 1970. I looked closely at the allotment for the first time in 1969 and offered suggestions on its management in a memorandum to the Boise District Manager on October 21 of that year.

The Indian Jake allotment covers approximately 89,000 acres north and south of Emmett. Land ownership breaks down about as follows:

Ownership	Acres	%
National Resource Lands	51,040	57
State	8,120	9
Private		
Dave Little (range land)	26,980	30
Dave Little (cultivated land)	1,500	2
Other	1,370	2
	<u>89,010</u>	<u>100</u>

The permittee runs cattle on this area in fall, winter, and spring and takes them elsewhere in summer.

The allotment is heavily clothed with medusahead and cheat-grass and other rather undesirable summer growing annuals. The main management problem on the allotment is replacement of these annuals with desirable perennials--plants that are valuable not only for livestock grazing but for wildlife, watershed, recreation and for maintaining an esthetically pleasing, high quality environment. I believe this problem can be solved with rest-rotation management of livestock grazing supplemented by artificial seeding and weed control and have offered suggestions on how this might be done.

The allotment is subdivided into more than 50-fields, many of them fenced. Prior to about 1968 these fields were used mainly to expedite cattle production.

In February of 1968, Dave Little took one of my longer rest-rotation grazing training courses and soon thereafter pressed for application of rest-rotation management on the allotment. He attended two more sessions thereafter one in February and the other in December 1969. Jim Little also attended the February session.

My recommendations in 1969 for management of the allotment were based on information from the area manager and permittee and on my own observations. I suggested setting up 10 management areas on the allotment--five to be managed under 3-pasture rest-rotation grazing systems and five under 4-pasture systems. These areas covered most of the allotment and encompassed 38 or so of the larger fields. I wrote grazing formulas for each of the areas. Portland Service Center personnel suggested activating a 2-pasture system on one of these areas (Willow Creek) for comparison. Management of the allotment got under way in 1970 on this basis. I did not have an opportunity to take a close look at results until this year. Actual use figures supplied me by the area manager were very helpful in understanding what had transpired.

Some of the fields on the allotment were used differently than planned originally resulting in the formation of two additional management areas. The twelve management areas are shown in figure 1. Here they are also called grazing systems. The fields and number of pastures used in each grazing system on each area are shown in table 1.

Management on these twelve areas has been rather loose to date. Two areas Sand Hollow and Boehm were used much as in the past. Only one area Black Canyon was grazed reasonably close to

**Table 1 Grazing management areas and systems  
on Indian Jake Allotment 1975**

No.	Area or system Name	Fields in Area Nos.	Pastures in system No.
<b>South of Payette River</b>			
1.	Tunnel	1,2,4	3
2.	Black Canyon	3,5,8,9	4
3.	Sand Hollow	13,14,(15,16,17,18)	3
4.	Boehm	12	1
<b>North of Payette River</b>			
5.	Long Hollow	26,26A,33,34	4
6.	Little Butte	36,37,38,39	4
7.	Square Butte	14,15,16,25	4
8.	Willow Creek	20,21	2
9.	Top Squaw Butte	17,18,19	3
10.	Cinnebar Jake	3,4,5	3
11.	Coonrod	1,2,6	3
12.	Eastside	7,(8,10) 12,13	4
<b>Total</b>			<b>38</b>

1/ Pastures=grazing management units

formula. The permittee made a genuine effort to carry out plans and apply rest-rotation management principles but fell considerably short because of lack of sufficient understanding of the formulas. About as much rest was incorporated in each grazing system as was called for in the grazing formula (table 2). However, it was not applied at the right time so its effectiveness was greatly reduced or nullified. Management of a type that promises a solution to the main problems on the allotment, therefore, has not been obtained yet on any of the management areas with the possible exception of Black Canyon.

On the basis of my latest appraisal I offer the following suggestions.

#### Grazing management

Put all areas on the allotment under 4-treatment (4-pasture) rest-rotation grazing systems.

Two basic grazing formulas are needed, one for areas used in winter and spring and the other for areas used in spring, summer and fall. (figure 2)

Formula 1 does not differ greatly from an adjusted formula I suggested for the Black Canyon area in 1971. One more year of rest (treatment B) was added to the 3-treatment formula proposed in 1969 to form Formula 2. These formulas provide adequately for vigor and seed production in perennials. They are designed to create conditions favoring seedling establishment.

Use under treatments A and C should be heavy. Needed changes in grazing pressure with these treatments will be judged by results. The position of treatment C in formula 1 is subject to change and also is determined by results.

The beginning and ending dates of the grazing season under treatment A in both formulas can vary appreciably. They are not critical.

With formula 1 the grazing season in treatment C should end as spring growth starts to surge.

In formula 2 seed-ripe time is determined by the key perennial plant species--in most cases this will probably be bottlebrush squirreltail (*Sitanion hystrix*).

There is no call for moving animals from one pasture to another under formula 1. The permittee may do so if he wishes. Under formula 2, moving may be necessary if the source of livestock

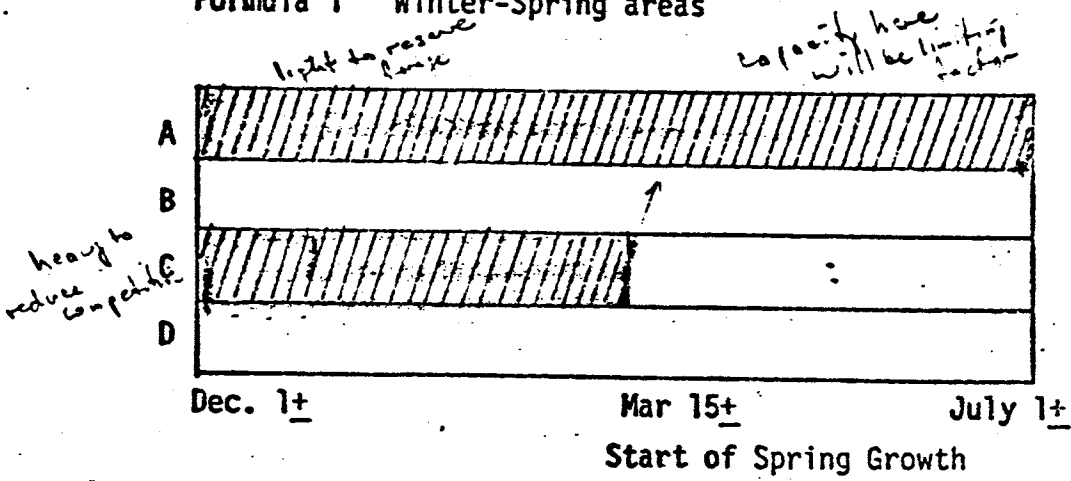
**Table 2** Comparison of amount of rest in grazing formulas with that obtained in use on 10 management areas

Management Area		Rest obtained in use	Basis
No.	Name	%	Years <sup>1/</sup>
2-treatment formulas (50% rest)			
6	Little Butte	38	4
7	Squaw Butte	63	4
8	Willow Creek	50	5
		Ave 50	
3-treatment formulas (66% rest)			
1	Tunnel	47	5
9	Top Square Butte	73	5
10	Cinnebar Jake	66	5
11	Coonrod	66	5
		Ave 63	
4-treatment formulas (50% rest)			
2	Black Canyon	45	5
5	Long Hollow	42	4
12	Eastside	55	4
		Ave 47	

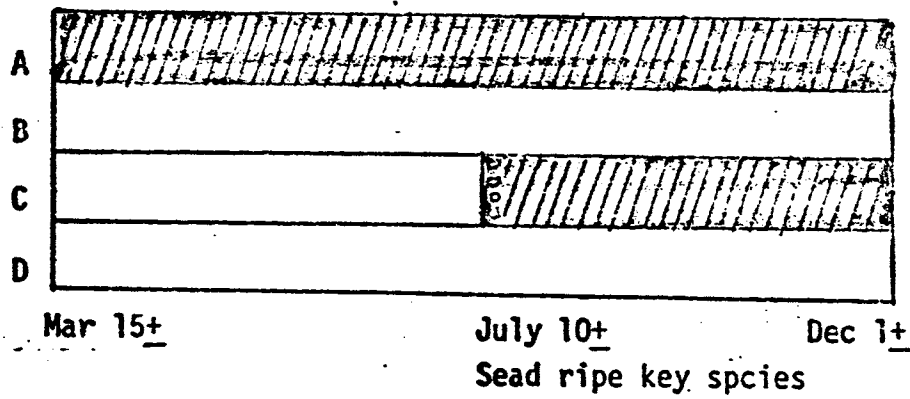
<sup>1/</sup>Period of records

Figure 2 Grazing formulas for Indian Jake Allotment

Formula 1 Winter-Spring areas



Formula 2 Spring, Summer, Fall areas



is the pasture receiving treatment A. In all cases in the future pastures should be layed out if possible so animals can move or be moved from one pasture to another without crossing an intervening pasture.

Reasonably practical 4-pasture layouts now exist on three areas--Black Canyon, Long Hollow and Eastside. With some fencing 4-pasture systems could be set up on two other areas--Tunnel and Willow Creek. How best to combine the remaining fields into 4-pasture systems will require considerable thought and discussion with the permittee. Small set ups are preferable to large for controlling grazing pressure.

The suggested grazing formulas should be applied to the extent possible this coming grazing season starting in November or December. Even though all the pasture layouts are not finalized, start the season in pastures that have been rested or grazed the least this year. Prepare a map for the permittee showing these areas and when they are to be used. Attach a sheet showing the two basic grazing formulas. Work all this out with the permittee. See figure 2 for the kind of map that might be used. Management according to formulas can be applied immediately on at least three sizable areas Black Canyon, Long Hollow and Eastside.

#### Artificial seeding and weed control.

Desirable perennial plants have been killed out on many bottom land sites on the Indian Jake Allotment and will have to be introduced by artificial seeding. Practical methods for doing this on such sites have not been developed yet although experiments have provided some ideas on possible approaches.

In 1971 I suggested seeding trials on the Black Canyon area for leads on methods. The seeding was undertaken but was unsuccessful and yielded little helpful information. A report by Hugh Harper, Denver Service Center, indicates some of the reasons for shortcomings of the effort.

"On Tuesday, March 21, 1972, the Boise BLM District in cooperation with Dave Little, Emmett, planted some grass and bitterbush seed on a portion of the Indian Jake Allotment (Black Canyon Area) used by Dave Little ---- the drill seed mechanism fed too rapidly and most of the bitterbush seed was gone by the time the drill reach the top of the slope. In addition, the drill was not opening a planting furrow very well. Much of the grass seed and most of the bitterbush seed ended up on top of the ground. ---- The plantings that were supposed to have been done in the fall of 1971 were not done."



Part of the reseeding problem centers in reducing weed competition to seedlings of planted species. There are several species of late growing undesirable annuals such as annual sunflower, other composites, prickly lettuce, Russian thistle, mustards, and ragweeds in addition to medusa head, cheatgrass and other annual grasses that provide severe competition to seedlings. Not all of this competition can be controlled by grazing. Cultural measures are also needed. Various methods have been suggested including discing, plowing, burning, and herbicides. Experiments indicate some effectiveness. But there are drawbacks to these from an environment standpoint-adverse impacts on soil and wildlife. I suggest trying mowing, at one time a common practice for controlling weeds.

A better planned, more serious, approach to developing reseeding methods for medusa head-cheatgrass sites is needed. Such methods have application on a large area in Idaho and elsewhere.

#### Answers to questions

Dave Little raised questions on the management of the Black Canyon area. The answer to these questions is formula 1.

He said the 2-pasture grazing system on the Willow Creek area is not working. What to do? The answer is formula 1 or formula 2 depending on time of year the area is used.

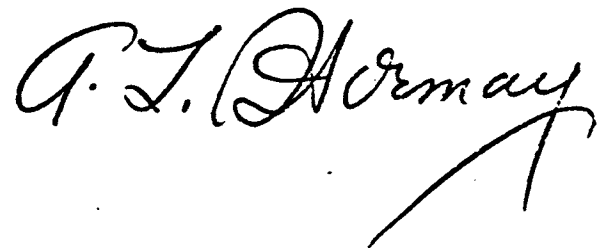
He asked about the advisability of spraying a stand of big sagebrush on a steep hillside in the Top Squaw Butte area. I recommend against it. There is a good stand of forage under the sagebrush now. Some additional forage would be produced by spraying but that amount and many times more would be produced on the whole top Squaw Butte area with proper management of grazing. Furthermore, spraying would increase the chance of soil erosion, would deteriorate game and other wildlife habitat, and would leave a blemish on the landscape that would last several years.

The first need is to review and revise the AMP and to delineate and finalize all the management areas. Grazing management, artificial seeding and weed control work should be carried on simultaneously on at least one area. Black Canyon appears most suitable. Evaluation procedures should be applied immediately on suitable areas.

With all the shortcomings of management to date the allotment has shown improvement mainly in plant vigor.

CC: DSC -300

P.S. I am sending you extra copies of the allotment base map under separate cover.





United States Department of the Interior

BUREAU OF LAND MANAGEMENT  
WASHINGTON, D.C. 20240

IN REPLY REFER TO:

PSW FOREST & RANGE EXPT. STA.  
P. O. BOX 245  
BERKELEY, CALIF. 94701

Memorandum

October 10, 1975

To: District Managers  
From: Range Conservationist DSC  
Subject: Demonstration area program

Please let me know if you will be in a position to continue with the preparation of a management plan for your demonstration area this winter and coming spring. If so, please get as many black and white and kodachrome slide photographs yet this fall illustrating the various resources and values on the area, their condition, and problems arising from their use or from the impact of uses of the land.

Please refer to the rough draft format I sent you for ideas.

*A. H. Ormay*

UNITED STATES  
 DEPARTMENT OF THE INTERIOR  
 BUREAU OF LAND MANAGEMENT

ROUTING AND TRANSMITTAL SLIP

CODE	TO		ACTION	ROOM NO.
	NAME	ORGANIZATION		
	Ben Collins	BLM		
	Area Manager			Bishop

Indicate Action by Number

- |                            |                     |
|----------------------------|---------------------|
| 1. Necessary action        | 6. Note and sumame  |
| 2. Approval                | 7. Note and return  |
| 3. Signature               | 8. Your information |
| 4. Prepare reply           | 9. See me           |
| 5. Your comment and return | 10.                 |

request ← Field reports  
 see attached

From	<i>R. Normay</i>	Date	<i>Oct 10/75</i>	Room No.
Office	<i>Berkeley</i>	Phone		

Remarks

*I am planning to meet with you in Bishop the week of October 28 per your suggestion. Carl Rice of the State Office will try to make it too. Will let you know when*

ROUTING TO:

PAY CHANGE FOR (NAME) <b>HORMAY AUGUST L</b>		ORGANIZATION CODES REGION BLOCK ORGANIZATION <b>30 52 YA330</b>		EXCESS LWOP (IF ANY)	SOCIAL SECURITY NUMBER <b>560640772</b>
NATURE OF ACTION <b>694 EXEC ORDER 11883</b>		EFFECTIVE DATE * * STEP INCREASE DELAYS (SEE BELOW) <b>10-12-76</b>	DATE OF LAST EQUIV. INCREASE	OLD SALARY <b>30699.00</b>	
<input checked="" type="checkbox"/> Supervisor's Determination of Employee's Level of Competence <b>NOT APPLICABLE FOR THIS ACTION</b> <input type="checkbox"/> The employee's work is of an acceptable level of competence.		GRADE OR LEVEL <b>14</b>	STEP OR RATE <b>07</b>	SPEC. RATE (ENT. STEP) <b>01</b>	NEW SALARY <b>32231.00</b>
SUPERVISOR'S SIGNATURE (IF APPROVED)		SIGNATURE <b>ECON STAR ACT AMEND 1971 SEC 3</b>			
DATE		Personnel Officer or Approving Officer			

**LEVEL OF COMPETENCE INQUIRY - NOTICE OF PAY CHANGE**

\*STEP INCREASE DELAYS

Step increases may be delayed if an excessive amount of Non-Pay-Status time occurs during the 52-, 104-, or 156-week waiting period. Generally the total Non-Pay-Status time must exceed an average of 80 hrs./year during the waiting period before an increase is delayed.



# United States Department of the Interior

IN REPLY REFER TO

4412.15

BUREAU OF LAND MANAGEMENT  
Shoshone District Office  
P O Box 2 B  
Shoshone, ID 83352

October 15, 1975

Mr. A. L. Hormay  
P.S.W. Forest & Range  
Experiment Station  
P.O. Box 245  
Berkley, CA 94762

Dear Gus:

We are not in a position to do any of the previously scheduled work on the West Bellevue Allotment.

The Shoshone District has some 40 AMPs to complete this year for evaluation in the Bennett Hills Environmental Impact Statement which is due for completion during fiscal year 1977. This change in work priorities has meant that I have had to reschedule my staff's workload in this area in order to meet these deadlines.

The West Bellevue area is not scheduled for an EIS until 1980 and current directives state that we cannot implement an AMP prior to the completion of an EIS.

Sincerely yours,

Charles J. Haszier  
District Manager

cc: DSC



*Save Energy and You Serve America!*

**MEMORANDUM**

**October 16, 1975**

**To: Area Manager**

**From: Range Conservationist**

**Subject: Wells Meadow Allotment management review**

Weather permitting I plan to look at the Wells Meadow Allotment with you on October 29. Will drive down on the 28th and return to Berkeley on the 30th. Carl Rice of the State office will get in touch with you this coming week on the 23rd or 24th on whether he also can make the trip.

Please make a motel room reservation for me (and Carl?) for October 28 and 29 and let me know of the place. Will post-pone the trip if it is overcast or stormy.

I trust you received the copies of Kay Wilkes and Don Dimock reports I sent you October 10, 1975.

**cc: SO Resources (The attached also sent: SO Resources  
DSC 300 DSC 300)**

GSHORMAY:nlg



# United States Department of the Interior

IN REPLY REFER TO

BUREAU OF LAND MANAGEMENT

4115(CA020)

Cedarville Office  
P.O.Box 149  
Cedarville, Calif. 96104

October 20, 1975

August L. Hormay  
Bureau of Land Management  
P.O. Box 245  
Berkeley, Calif. 94701

Dear Gus,

The attached maps should portray the information you requested for the Tuledad Demonstration Area.

The wildlife students assisting us are working on Bare Creek at this time gathering base line information. They will also do an extensive inventory on non-game species and raptors.

If you wish any further details give me a call at 916 (279-3311).

Sincerely,

Gerald Brandvold  
Area Manager

GB:is

Enclosures

*maps, separately:*



*Save Energy and You Serve America!*

UNITED STATES GOVERNMENT

# Memorandum

Ref: 4112.16

**TO :** Gus Hormay

**DATE:** October 21, 1975

**FROM :** District Manager, Billings

**SUBJECT:** Demonstration Area Program - Mystic-Pryor  
Spur Allotment

We are continuing with the planning and preparation of the management plan for the Mystic-Pryor Spur Area.

We have taken a lot of color photos this fall, but no black and white. Heavy snow pack was received this past week and will probably remain until spring.

  
Act



5010-106

*Buy U.S. Savings Bonds Regularly on the Payroll Savings Plan*





# United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Bishop Area Office  
Rt. 2, Box 26  
Bishop, California 93514

IN REPLY REFER TO

4115  
(C-160)

OCT 22 1975

A. L. Hormay  
P. O. Box 245  
Berkeley, CA 94701

Dear Gus:

Thanks for your commendations. You "hit the nail on the head" with the four Wells Meadow Allotment needs outlined in your letter. I agree, an across-the-table discussion is the way to go and I welcome the opportunity. However, the week of October 20th is committed. The following week--October 28-31--is open. Can you make it that week?

You mentioned field reports by Kay Wilkes (June 27, 1972) and Don Dimock (July 18, 1973). As it usually works, I cannot find these in our Wells Meadow file. It would be great if you could send me copies. I am sure it would help my evaluation techniques.

If you have any questions, let me know.

Sincerely yours,

Ben F. Collins  
Area Manager

**Memorandum**

DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

IN REPLY REFER TO:

4112.15  
*A.*

To : Director, DSC (D-330)  
Attn. Gus Hormay, Range Conservationist  
FROM : Rawlins District Manager

Date: OCT 24 1975

SUBJECT: Hall Creek AMP

As you are aware, the BLM has been placed under a court order which prohibits us from implementing the Hall Creek AMP until an EIS is completed. The EIS for the Hall Creek area is scheduled for completion in FY 1979.

We plan to use your format for the preparation of the plan which will be completed in FY 1978. The earliest date for implementation of the plan would be in FY 1980.

We will keep you advised of any changes in our time table.

*Fred W. C.*  
District Manager



# United States Department of the Interior

BUREAU OF LAND MANAGEMENT

**STATE OFFICE**  
**Federal Office Bldg., Room E-2841**  
**2800 Cottage Way**  
**Sacramento, California 95825**

IN REPLY REFER TO

4112  
(C-930.1)

NOV 19 1975

Memorandum

To: Gus Hormany, Pacific SW Forest & Range Exp.  
Sta., 1960 Addison St., P.O. Box 245, Berkeley,  
California

From: State Director, California

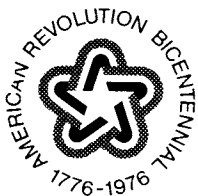
Subject: Rest-Rotation Multiple-Use Land Management  
Demonstration Area, Susanville District

We certainly appreciate your acceptance of the Tuledad Unit as one of the demonstration areas in the Bureau. It will certainly aid us in the planning-AMP-EIS effort that is underway in accordance with the NRDC suit and subsequent court order.

The District Manager of Susanville informs me that he is working with you in obtaining the necessary information. You should continue to work directly with the district.

cc: DSC (D-330)  
WO (330)  
DM-02

ACTING STATE DIRECTOR





## United States Department of the Interior

BUREAU OF LAND MANAGEMENT  
P.O. Box 151  
Lakeview, Oregon 97630

October 29, 1975

A. L. Hormay  
Range Conservationist  
Bureau of Land Management  
P.O. Box 245  
Berkeley, CA 94701

Dear Gus,

The wheels of true progress turn slowly. Lack of grease, a good driver, and numerous unnecessary detours puts the wagon train way behind schedule. Winter is setting in and we're not through the pass. However, I definitely plan on making it thru before the snow gets to deep.

I do plan on completing the rough draft plan for the Juniper Mountain Demonstration area this winter. Your format should be very useful. It is in more detail than I had anticipated, but feel it should fall together quite well with the amount of info we have on hand. Numerous photos within the Plan will make reproduction more difficult - may be best to assure getting the points and factors across to the involved public.

As yet, I have not received any of the slides you took while here. I believe I have most of the black & white. Having those may lessen the cost and the duplication of taking photos this fall.

The radio station here has kept up periodic coverage on the Demonstration Area activities. There has been a few local outside inquiries as to what has been happening.

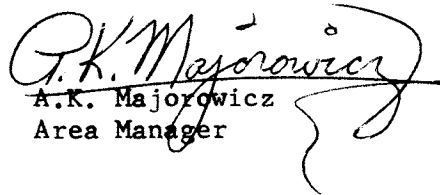
I was in the process of completing an EAR and rough draft when the NRDC suit and subsequent agreement developed. State Office has OK'd going ahead on rough draft plan, but it cannot be finalized (with signatures) or any more new H2O developed until EIS is completed. EIS completion date set for September 30th, 1979.

Anyway, we nearly got Sagebrush Knoll pasture fence completed in time for Rest treatment (~~last~~ estimated 200 AUM's use in it before it got finished).

All fences are now done. Spring was late and dry until late June with much above normal July moisture (mainly thunderstorms). Have been getting good to fair fall moisture. Actual use was 3660 AUM's from April 5th to July 11th, with a few straggler stock after that.

Will get what photos I can next week and hope to have the rough draft plan by January. Enclosed is a map showing present situation and a couple of photos showing response by July this year on rested pasture.

Sincerely,

  
A.K. Majorowicz  
Area Manager

Encl: as stated

10/23/75

Boundary & Formed fences

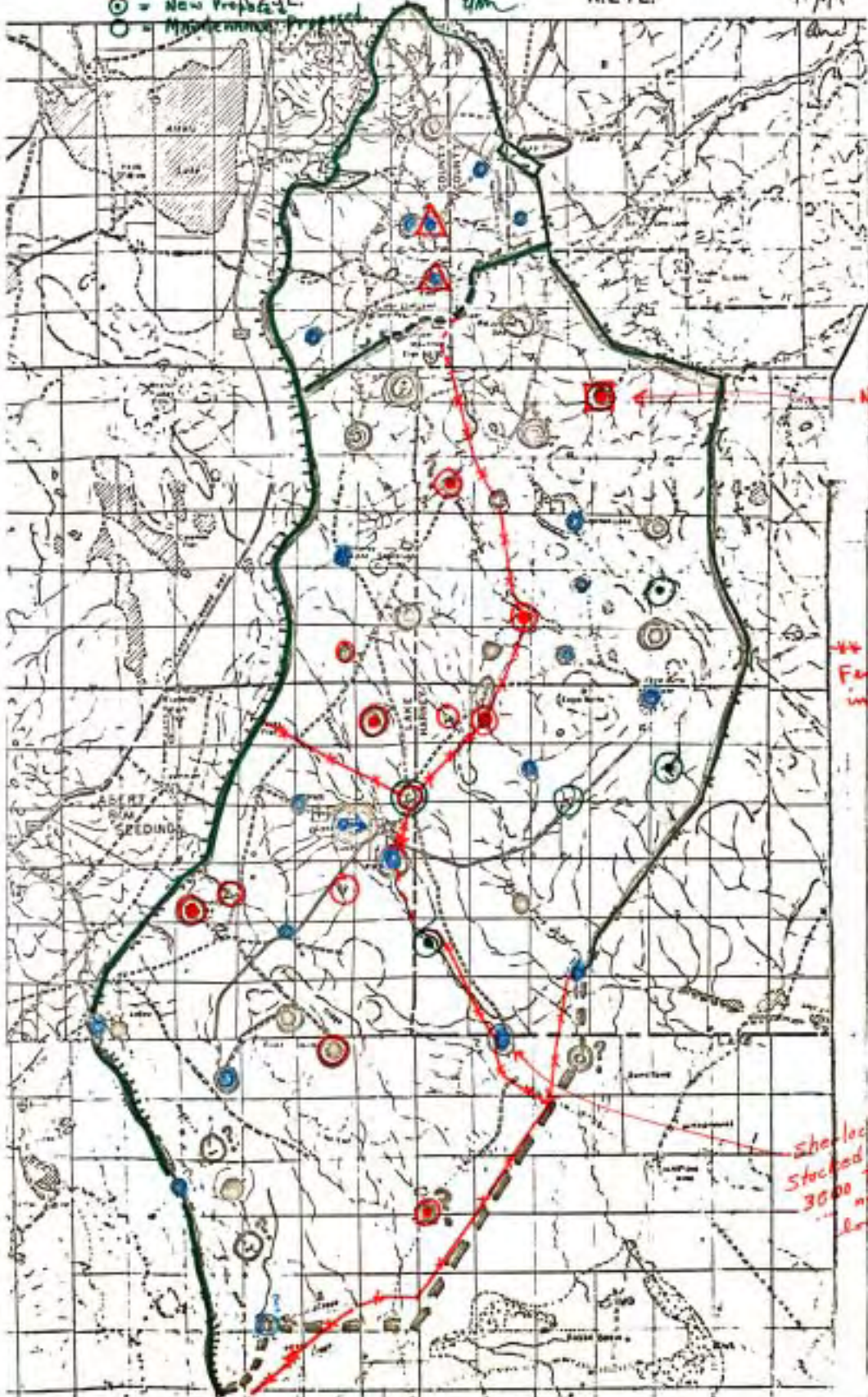
*Handwritten scribbles*

- = Good Fair H<sub>2</sub>O
- = New H<sub>2</sub>O Developed
- = H<sub>2</sub>O Maintained
- = Wildlife H<sub>2</sub>O Developed Yearling
- = New Proposed
- = Maintenance Proposed

- = Fair H<sub>2</sub>O opportunity to develop to Good
- = Boundary fenced off w/ fence
- = Present cross-fence
- = Fence marked to enclose Wild
- = Good present H<sub>2</sub>O

R.24E.

6/12/74



New fishing source

New Fence put in 1975.

Sherlock Res. Stocked with 3000 trout... new 7-14 log.