

AUGUST L. HORMAY
RANGE MANAGEMENT CONSULTANT

101 ACADIA STREET • SAN FRANCISCO, CALIFORNIA 94131

December 13, 1979

Mike Frisina
Game Biologist
1330 West Gold
Butte, Montana 59701

Dear Mike,

Following up on your request earlier this year I am sending you copies and descriptions of slides of Kodachromes, I have taken on the Mt. Haggin Area since my first visit in 1976. I am mailing the slides today. The descriptions will follow in a few days.

I selected 164 photos. They were taken along 5 routes through the 3 pasture units. Routes 1, 2, and 3 are in pasture unit 1, route 4 in unit 2 and route 5 in unit 3. Maps of these routes are included with the slides.

The slides are numbered consecutively from 1 to 164. The slide number is shown in the lower right corner of the slide. The slide series in each route is as follows:

Route	Slides
1	1-51
2	52-59
3	60-82
4	83-116
5	117-164

The photo descriptions consist mainly of the date and location of the photo. I was not sure of some locations in unit 1 between Lincoln Gulch and Little California Creek.

The scheduled grazing treatment for the year is given in the descriptions and shown as follows: Treat. A (or B or C) No treatments were scheduled in 1976 and 1977. Here the entry is Treat. None.

I am sending a set of slides and descriptions to Arnold Foss also.

In a few days I will send you recommendations on the leafy spurge problems.

Sincerely,

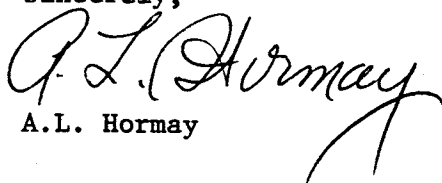

A.L. Hormay

Photo Route 5
① ② & ③

DIVIDE

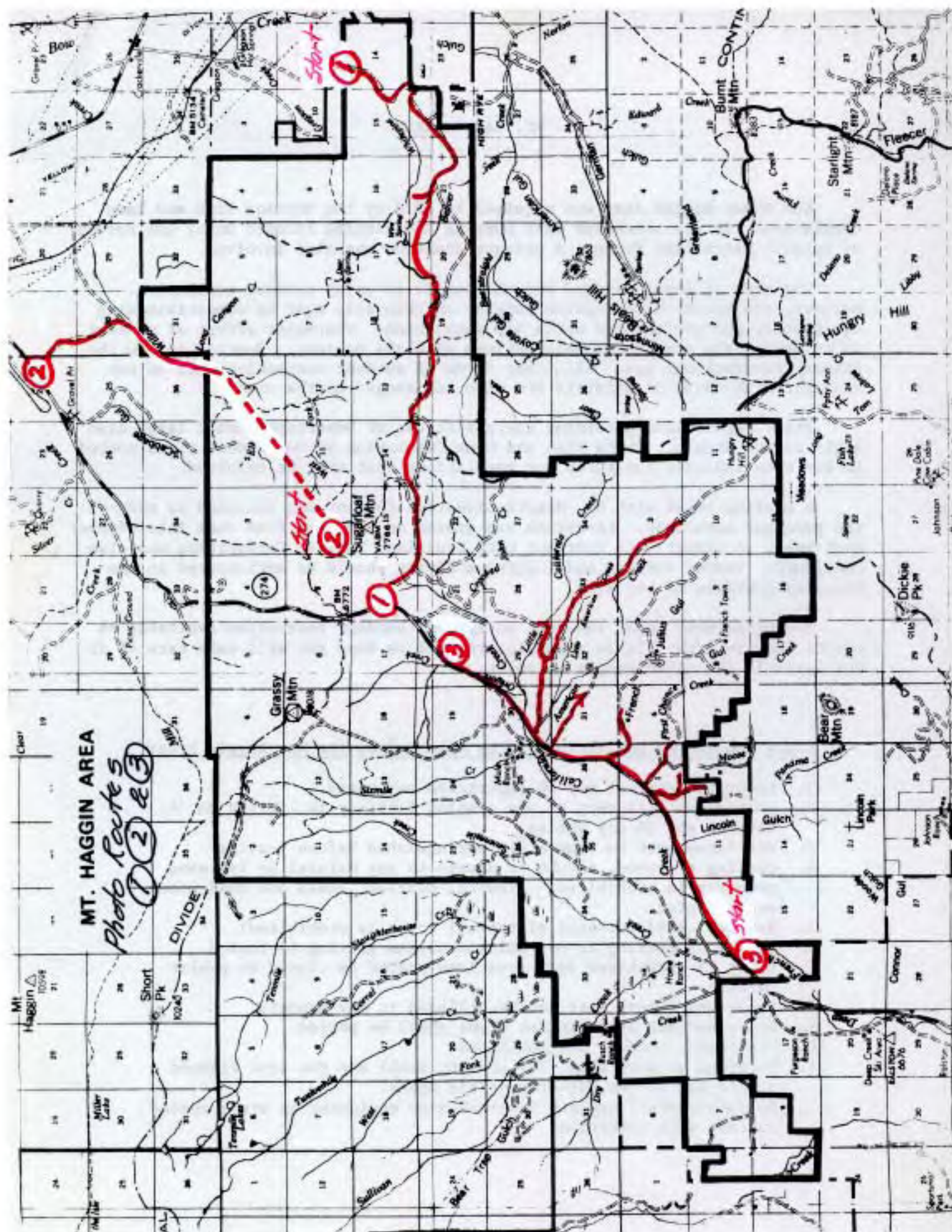
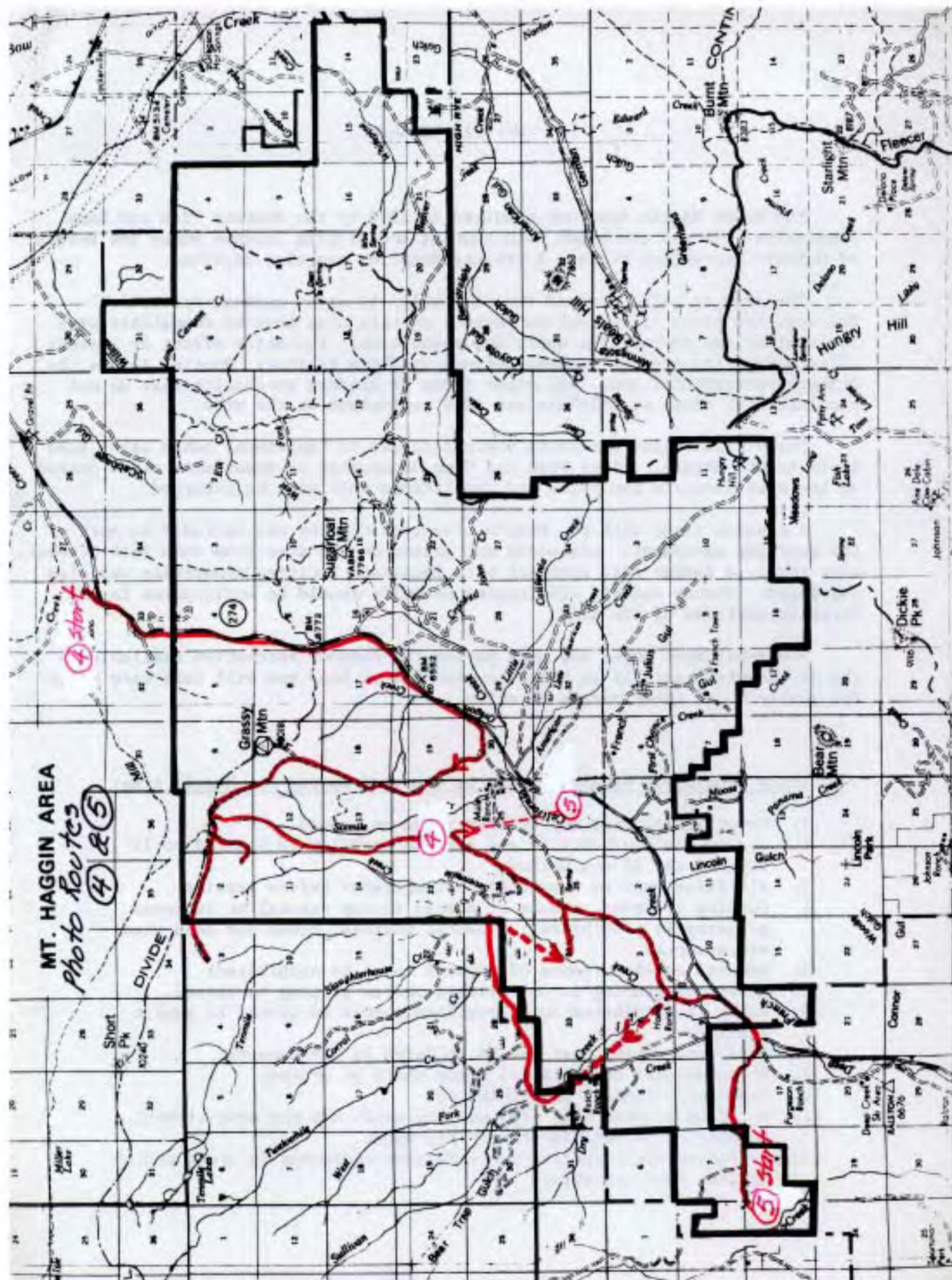


Photo Routes (4) & (5)





UNITED STATES
DEPARTMENT OF THE INTERIOR
FISH AND WILDLIFE SERVICE

Charles M. Russell National Wildlife Refuge
P. O. Box 110
Lewistown, Montana 59457

IN REPLY REFER TO:

December 17, 1979

To Parties Listed on Attached Sheet:

We plan on having Gus Hormay visit the Charles M. Russell National Wildlife Refuge on Tuesday, January 8, 1980, through Thursday, January 10. Tuesday and Wednesday would be spent with the Planning Team.

On Thursday we would like to invite you, or a representative of your agency, to meet at the CMR headquarters in Lewistown to discuss implementation of some rest-rotation grazing systems on CMR.

The matter has been discussed with Gus and we want to hold it to a small group. We thought no formal agenda is necessary. We would just discuss refuge objectives, management constraints, which pastures to set up, how best to implement required facilities, how best to evaluate vegetative and wildlife responses, etc.

We would start the meeting on Thursday at refuge headquarters at 9:00 A.M. Your input at this meeting would be appreciated.

Sincerely,

Ralph F. Fries
Refuge Manager

RF/ws

*you have reservations Jan 7-10
at the B + B Motel Motel in
Lewistown, MT.*

Mr. Walley Steucke
Area Manager
U. S. Fish & Wildlife Service
Federal Building, Room 3035
316 North 26th Street
Billings, Montana 59101

Mr. John Fields
Bureau of Land Management
P. O. Box 1160
Lewistown, Montana 59457

Mr. Leo Barry
State Lands Department
1625 11th Avenue
Helena, Montana 59601

Mr. Ole Euland
Dept. of Natural Resources
and Conservation
Conservation District Division
32 South Ewing
Helena, Montana 59601

Mr. Dan Hinckley
Charles M. Russell National Wildlife
Refuge Planning Team
P. O. Box 698
Lewistown, Montana 59457

Mr. Robert Wambach, Director
State Dept. of Fish, Wildlife and Parks
1420 East 6th Avenue
Helena, Montana 59601

Mr. Wilbur Rehmann
Dept. of Natural Resources & Conservation
Energy Division
32 South Ewing
Helena, Montana 59601



UNITED STATES
DEPARTMENT OF THE INTERIOR
FISH AND WILDLIFE SERVICE
Charles M. Russell National Wildlife Range
CMR Planning Team
P.O. Box 698
Lewistown, Montana 59457

IN REPLY REFER TO:

(406) 538-7731

December 17, 1979

Dr. August Hormay
101 Arcadia Street
San Francisco, California 94131

Dear Gus:

As we discussed on the telephone last week, I would like you to come to Lewistown, Montana on January 8, 1980 and review our management proposals for the master plan and the environmental impact statement for the Charles M. Russell National Wildlife Refuge.

The product we would like you to provide is a narrative report with applicable maps, designing rest-rotation grazing systems on selected allotments to accomplish wildlife habitat objectives and allocate forage not needed by wildlife to livestock.

The agreed-on price will be \$200.00 per day plus expenses. Any travel must be at coach rates. If you wish to travel first-class, you must pay the difference.

The Refuge Manager would also like to consult with you about the operational aspects of the master plan. He would like you to spend one day (the 10th) with him working on that portion. He will contact you with further details.

Sincerely,

Dan K. Hinckley
Team Leader

cc: Area Manager
Refuge Manager
Ole Ueland (FW&P)

Memorandum

DNRC

To:

Gus

From:

W. H. Bur

Date:

12/18

[1979]

Enclosed are the allotment maps for the allotments we found.

Under separate cover Mike is sending you a map of the entire CMR with all the allotments outlined.

The BLM is dragging their feet on a map of the surrounding allotments.

CONSERVATION DISTRICTS DIVISION

O. M. UELAND, ADMINISTRATOR

(406) 449-2608

32 SOUTH EWING, HELENA, MONTANA 59601

Merry Christmas Happy New Year

AUGUST L. HORMAY
RANGE MANAGEMENT CONSULTANT

101 ACADIA STREET • SAN FRANCISCO, CALIFORNIA 94131

December 18, 1979

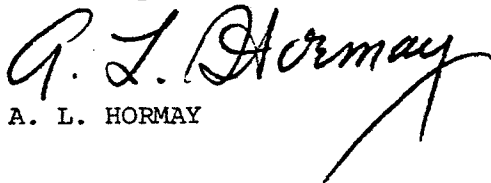
Mr. Mike Frisina
Game Biologist
1330 West Gold
Butte, Montana 59701

Dear Mike,

Enclosed are the descriptions of the Mt. Haggin slides. They are grouped by the 5 travel routes shown on the maps I sent you.

The descriptions are brief but I believe sufficient to enable you to find the photo points and repeat observations or photos of the areas.

Sincerely,


A. L. HORMAY

Enclosure

cc Arnold Foss

35mm COLOR
PHOTOGRAPHIC RECORD
Mt. Haggin

Author A.L. Hormay (ALH)

Route 1 Unit 1

Headquarters Berkeley, CA

Photo No.	Exposure Date	LOCATION		Description of View
		State, Agency NF, District	Area (Name) Unit or Pasture	
21,251 1	Oct. 20 1978	Montana Dept. Fish & Game	Mt. Haggin Unit 1	Looking W from Fairmont Hot Sprgs-Whitepine Crk road at N boundary Treat. A
21,253 2	"	"	"	Looking NW from a point about 50 ft uphill from Fairmont Hot Sprgs-Whitepine Crk road and about 1/2 mile S of N boundary. Cow grazing bitterbrush Treat. A
21,254 3	"	"	"	Same as 21, 253 except Mike Frisina showing closeness of use on bitterbrush
20,044 4	Aug. 16 1977	"	"	Looking E at bitterbrush stand across old homestead area about 1/2 mile S of lower portion Whitepine Crk Treat. None
20,046 5	"	"	"	Looking NE across bitterbrush stand in 20,044 Treat. None
20,051 6	"	"	"	Juniper hedged by elk, deer? N edge of bitterbrush area in 20,046 Treat. None
20,053 7	"	"	"	Portion of crown of bitterbrush plant killed by deer grazing. Plant in area 20,046 Treat. None
20,056 8	"	"	"	Looking SE into German Gulch from S edge old homestead area, 20,044. Trees (junipers) hedged by elk and deer? Treat. None
20,049 9	"	"	"	Looking W up Whitepine Crk from N edge of bitterbrush area 20,044
21,256 10	Oct. 20 1978	"	"	Looking W up Whitepine Crk. Below road crossing near old ranch buildings site Treat. A
			1.	

35mm COLOR
PHOTOGRAPHIC RECORD

Author A.L. Hormay (ALH)

Mt. Haggin
Route 1 Unit 1 cont'd

Headquarters Berkeley, CA

Photo No.	Exposure Date	LOCATION		Description of View
		State, Agency NF, District	Area (Name) Unit or Pasture	
21,259 11	Oct. 20 1978	Montana Dept. Fish & Game	Mt. Haggin Unit 1	Looking down Whitepine Crk from below road crossing Treat. A
21,795 12	July 24 1979	"	"	Near repeat of 21,259 during rest portion of treatment B Treat. B
20,043 13	Aug. 16 1977	"	"	Looking W up Whitepine Crk from road crossing Treat. None
20,983 14	July 26 1978	"	"	Near repeat of 20,043 at greater distance Treat. A
21,261 15	Oct. 20 1978	"	"	Near repeat of 20,983 of greater distance Treat. A
21,790 16	July 24 1979	"	"	Looking up S slope into Whitepine Crk from above road 1/4 mile E of old ranch site Treat. B
22,445 17	Oct. 18 1979	"	"	Near repeat of 21,790 at end of grazing season Treat. B
20,058 18	Aug 16 1977	"	"	Looking up N slope into Whitepine Crk about 1/2 mile W of bitterbrush site 20,044. Vigorous aspen reproduction Treat. None
20,984 19	July 26 1978	"	"	Looking W across N slope into Whitepine from above road and road crossing Treat. A
21,262 20	Oct. 20 1978	"	"	Looking S across Whitepine Crk at N slope into Crk, from old ranch site below road crossing. Treat. A
			2.	

35mm COLOR
PHOTOGRAPHIC RECORD

Author A.L. Hormay (ALH)

Mt. Haggin
Route 1 Unit 1 cont'd

Headquarters Berkeley, CA

Photo No.	Exposure Date	LOCATION		Description of View
		State, Agency NF, District	Area (Name) Unit or Pasture	
22,479 21	Oct. 18 1979	Montana Dept. Fish & Game	Mt. Haggin Unit 1	Looking SE from road in general direction High Rye Guard station and down slope into Beef straight Crk Treat. B
21,263 22	Oct. 20 1978	"	"	Looking SW into Beef straight Crk from near photo point 22,429 just below road. Treat. A
21,264 23	"	"	"	Looking W from photo point 21,263 Treat. A
20,988 24	July 26 1978	"	"	Looking W near top of ridge <i>Treat. A</i>
22,425 25	Oct. 18 1979	"	"	Near repeat of 20,988 Treat. B
22,427 26	"	"	"	Looking NE uphill from road. Sec.21 ? Foreground rough <i>fescue</i> site. Background slope bitterbrush. Treat. B
21,267 27	Oct. 20 1978	"	"	Looking NW uphill across bitterbrush site in 22,427 Treat. A
21,270 28	"	"	"	Looking E from logging road across cut- over lodgepole area in upper Whitepine Crk below Wire Sprg. Area is to N and just below ridge between Whitepine Crk and Beaver Crk Treat. A
21,271 29	"	"	"	Looking W from logging road in area 21,270 back toward photo point of 21,270. Abundant lodgepole reproduction is establishing. Treat. A
20,989 30	July 26 1978	"	"	Looking W into head of Beaver Crk drain- age from main road.
			3.	

35mm COLOR
PHOTOGRAPHIC RECORD

Mt. Haggin

Author A.L. Hormay (ALH)

Route 1 Unit 1 Cont'd.

Headquarters Berkeley, CA

Photo No.	Exposure Date	LOCATION		Description of View
		State, Agency NF, District	Area (Name) Unit or Pasture	
20,713 31	June 13 1978	Montana Dept. Fish & Game	Mt. Haggin Unit 1	Looking N above road from close to photo point 20,989. Left to right Joe Egan, Mike Frisina, Arnold Foss, Wynn Freeman.
20,071 32	Aug. 16 1977	"	"	Looking NW uphill from main road near head of Beaver Crk. Weeds reflect ground disturbance. Treat None
20,075 33	"	"	"	Looking N from logging road across lodge pole cut over Beef straight drainage, about Sec 19. Treat None
20,995 34	July 26 1978	"	"	Looking SW from main road across area 20,075 from N side Treat A
21,274 35	Oct. 20 1978	"	"	Approx. repeat of 20,995 Treat A
21,945 36	July 27 1979	"	"	Looking SW along cutting edge area 20,995. Abundant lodge pole reproduction establishing. Treat B
21,277 37	Oct. 20 1978	"	"	Frisina Spring. Mike Frisina pondering condition of spring. Along main road. About Sec 24. Treat A
21,044 38	Sept. 22 1978	"	"	Looking NW from main road near continental divide. Sugarloaf Mt and Short Pk in distance on left. Mt. Haggin on right. Treat A
22,416 39	Oct. 18 1979	"	"	Looking N from main road near continental divide. Snowing lightly. Treat B
21,046 40	Sept. 22 1978	"	"	Looking NW from main road across cutover area on west slope from continental divide to California Crk. at base of slope. Treat A

35mm COLOR
PHOTOGRAPHIC RECORD

Author A.L. Hormay (ALH)

Mt. Haggin
Route 1 Unit 1 Cont'd.

Headquarters Berkeley, CA

Photo No.	Exposure Date	LOCATION		Description of View
		State, Agency NF, District	Area (Name) Unit or Pasture	
19,906 41	Nov. 5 1976	Montana Dept. Fish & Game	Mt. Haggin Unit 1	Looking up California Crk across main road cut by gully. At base of W slope from Continental Divide. Treat None
20,996 42	July 26 1978	"	"	Looking W across saltground located about 100 feet W of photo point 19,906. Treat A
21,281 43	Oct. 20 1978	"	"	Looking SW from road into California Crk. about 1/3 mile W of 20,996. Treat A
21,282 44	"	"	"	Looking SW from road into California Crk. short distance downstream from 21,281. Treat A
19,910 45	Nov. 5 1976	"	"	Looking N from road. Erosion debris from SW slope Sugarloaf Mt. Treat None
20,753 46	June 14 1978	"	"	Near repeat of 19,910. Treat A
20,752 47	"	"	"	Near 20,753. Left to right Mike Frisina, Arnold Foss and ? Treat A
20,754 48	"	"	"	Near 20,753. Looking S from road into California Crk. Treat A
21,285 49	Oct. 20 1978	"	"	Looking S across branch California Crk. from gate on W boundary Unit 1. Anaconda-Ralston highway on right. Treat A
21,284 50	"	"	"	Looking SE down branch California Crk. from photo point 21,285. Treat A

Author A.L. Hormay (ALH)

Headquarters Berkeley, CA

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35mm COLOR
PHOTOGRAPHIC RECORD

Author A.L. Hormay (ALH)

Mt. Haggin
Route 2 Unit 1

Headquarters Berkeley, CA

Photo No.	Exposure Date	LOCATION		Description of View
		State, Agency NF, District	Area (Name) Unit or Pasture	
19,878 52	Nov. 4 1976	Montana Dept. Fish & Game	Mt. Haggin Unit 1	Looking E from Grassy Mt. into Unit 1. Peak on R is Sugarload Mt. Willow Creek drainage to L. Treat None
20,108 53	Aug 17 1977	"	"	Looking SE up Long Canyon Crk. from Willow Crk. road. Merle Rognrud shading camera for Mike Frisina. Treat None
20,107 54	"	"	"	Above upper end of Willow Crk. road. Merle Rognrud and Mike Frisina "strolling" through cutover area. Treat None
20,109 55	"	"	"	Looking N from Willow Crk. road across N boundary Mt. Haggin Area. Treat None
20,112 56	"	"	"	Looking S across flat back toward Willow Crk. and Sugarloaf Mt. (L distance) Weeds reflect heavy range deterioration. Treat None
20,106 57	"	"	"	Looking S into Willow Crk. from flat. Heavy stand of leafy spurge. Abused range. Treat None
20,114 58	"	"	"	Looking E down deep soil drainage in Willow Crk. Flat. Heavy stand leafy spurge. L. Merle Rognrud, R. Mike Frisina. Treat None
20,116 59	"	"	"	Looking N across Willow Crk. Flat. Anaconda Smelter Stack in distance. Treat None
	Last Route 2			
			1 only	

35mm COLOR
PHOTOGRAPHIC RECORD

Author A.L. Hormay (ALH)

Mt. Haggin
Route 3 Unit 1

Headquarters Berkeley, CA

Photo No.	Exposure Date	LOCATION		Description of View
		State, Agency NF, District	Area (Name) Unit or Pasture	
19,846 60	Nov. 4 1976	Montana Dept. Fish & Game	Mt. Haggin Unit 1	Looking NE along Anaconda-Ralston Highway. Lower end French Crk. on right. Treat None
22,384 61	Oct. 18 1979	"	"	Near repeat of 19,846. Raining lightly. Treat B
22,386 62	"	"	"	Looking W from road near Moose Crk. across gentle slope into French Crk. to R. Treat B
22,397 63	"	"	"	Looking S up slope from near American Crk. road about 1.5 + miles S of Anaconda-Ralston Highway. Raining lightly. Treat B
21,941 64	July 27 1979	"	"	Location? American Crk? Beaverhead N. F.?
21,942 65	"	"	"	Same as 21,941
19,885 66	Nov. 5 1976	"	"	Looking NW down lower end First Chance Crk? Treat None
19,889 67	"	"	"	Lower stretch Little California Crk? Joe Egan on bridge. Treat None
19,891 68	"	"	"	"Summer cabin" American Crk. road. Left to right Mike Frisina, Arnold Foss, Joe Egan, Merle Rognrud.
19,892 69	"	"	"	As in 19,891. But L to R Mike Frisina, Gus Hormay, Joe Egan, Merle Rognrud.

35mm COLOR
PHOTOGRAPHIC RECORD

Author A.L. Hormay (ALH)

Mt. Haggin
Route 3 Unit 1 Cont'd.

Headquarters Berkeley, CA

Photo No.	Exposure Date	LOCATION		Description of View
		State, Agency NF, District	Area (Name) Unit or Pasture	
19,893 70	Nov. 5 1976	Montana Dept. Fish & Game	Mt. Haggin Unit 1	Mining debris. Upper American Crk. Treat <i>None</i>
19,895 71	"	"	"	American Crk. road. L to R Arnold Foss, Merle Rognrud, Mike Frisina.
21,286 72	Oct. 20 1978	"	"	American Crk. road. Mike Frisina raising sign. Treat A
21,287 73	"	"	"	Location as in 21,286. L to R Mike Frisina, forester Larry Wood and son. Treat A
21,289 74	"	"	"	Looking NE from American Crk. road about 1/2 mile N (down hill) from iron gate. Treat A
21,290 75	"	"	"	Looking NE across California Crk. and highway into Unit 2. Six Mile Crk. extreme left. Foreground Unit 1. Treat A
21,291 76	"	"	"	Looking SW from American Crk. road about 1/2 S of Anaconda-Ralston Highway. Treat A
20,160 77	Aug. 18 1977	"	"	Road crossing Little California Crk. SE cor Sec 79. Left Arnold Foss, right ? Treat None
20,161 78	"	"	"	Location 20,160. Left Terry Lonner. Right Mike Frisina. Treat None
20,158 79	"	"	"	Location 20,160, 100 ft. above crossing. Treat None

Mt. Haggin

Route 3 Unit 1 Cont'd.

[illegible]

35mm COLOR
PHOTOGRAPHIC RECORD

Author A.L. Hormay (ALH)

Mt. Haggin
Route 4 Unit 2

Headquarters Berkeley, CA

Photo No.	Exposure Date	LOCATION		Description of View
		State, Agency NF, District	Area (Name) Unit or Pasture	
21,320 83	Oct. 20 1978	Montana Dept. Fish & Game	Near Mt. Haggin Unit 2	Looking NW across private land on Mill Crk. from point Anaconda-Ralston Highway turns S toward Grassy Mt.-Sugarloaf Mt. divide. Area about 1 $\frac{1}{4}$ miles N of Mt. Haggin Area N boundary.
22,266 84	Oct. 17 1979	"	"	In Mill Crk drainage about $\frac{1}{2}$ mi upstream from 21,320. Looking NW from pt. about 100' N of road. L-R A. Foss, M. Frisina, J. Egan observing dead & dying clumps rough fescue, large dark objects that look like boulders.
19,841 85	Nov. 4 1976	"	Mt. Haggin Unit 2	Looking W from Anaconda-Ralston Highway along N boundary of Mt. Haggin Area toward Grassy Mt. Treat None
22,355 86	Oct. 18 1979	"	"	Location close to 19,841. Looking SW over SE slope of Grassy Mt. Treat A
22,345 87	"	"	Anaconda-Ralston	Looking NW from Anaconda-Ralston Highway up Strawberry Bench toward head of Oregon Crk. Photo point near line between Secs 17 & 20. Treat A
21,005 88	July 27 1978	"	"	Looking SE across Strawberry Bench toward California Crk. Treat C
21,006 89	"	"	"	Looking N toward Grassy Mt. past head of Strawberry Bench. Treat C
22,270 90	Oct. 17 1979	"	"	Looking SE down branch California Crk. from upper end Strawberry Bench. Treat A
22,341 91	Oct. 18 1979	"	"	Looking NW up Oregon Crk. from Strawberry Bench. Treat A
22,272 92	Oct. 17 1979	"	"	Same as 22,341. Slightly different direction. Treat A

35mm COLOR
PHOTOGRAPHIC RECORD

Author A.L. Hormay (ALH)

Mt. Haggin
Route 4 Unit 2 Cont'd.

Headquarters Berkeley, CA

Photo No.	Exposure Date	LOCATION		Description of View
		State, Agency NF, District	Area (Name) Unit or Pasture	
21,001 93	July 26 1978	Montana Dept. Fish & Game	Mt. Haggin Unit 2	Looking N at Mule Ranch from Unit 1 to Unit 2 across highway. Treatments in units are A and C respectively.
21,011 94	July 27 1978	"	"	Looking SW from logging road across Mule Ranch and down California Crk. Treat C
22,277 95	Oct. 17 1979	"	"	Looking NE from Grassy Mt. road across head of branch of California Crk. Treat A
22,279 96	" "	"	"	Looking SE from Grassy Mt. road down Oregon Crk. drainage. Treat A
19,872 97	Nov. 4 1976	"	"	Looking NE across S slope of Grassy Mt. Treat None
20,094 98	Aug. 16 1977	"	"	Same as 19,872 but looking more easterly. Treat None
20,097 99	" "	"	"	Near 20,094. Left to right Arnold Foss, Mike Frisina, LeRoy Ellig. Treat None
19,875 100	Nov. 4 1976	"	"	Mike Frisina on S slope Grassy Mt. Treat None
19,880 101	" "	"	"	Grassy Mt. lookout tower. Joe Egan in window.
20,091 102	Aug. 16 1977	"	"	Looking SW from Grassy Mt. road down middle portion of Six Mile Crk. About Sec 13. Treat None
			2	

35mm COLOR
PHOTOGRAPHIC RECORD

Author A.L. Hormay (ALH)

Mt. Haggin
Route 4 Unit 2 Cont'd.

Headquarters Berkeley, CA

Photo No.	Exposure Date	LOCATION		Description of View
		State, Agency NF, District	Area (Name) Unit or Pasture	
20,093 103	Aug. 16 1977	Montana Dept. Fish & Game	Mt. Haggin Unit 2	Looking W into Six Mile Crk. from photo point 20,091 Treat None
20,092 104	"	"	"	Looking NW into Six Mile Crk. from near photo point 20,091. Treat None
22,291 105	Oct. 17 1979	"	"	Looking SW from road across head of Six Mile Crk. Treat A
22,296 106	"	"	Near Mt. Haggin Unit 2	Looking NW up Mill Crk. from ridge at head Six Mile Crk. Short Pk on left. Mt. Haggin on right. N boundary Mt. Haggin Area about 1/4 mile N (downhill) from photo point.
22,295 107	"	"	"	Looking NE down Mill Crk. from photo point 22,296.
22,297 108	"	"	Mt. Haggin Unit 2	Looking W from road across saddle at head Six Mile Crk. Lodgepole regenerating on old cutover. Treat A
22,298 109	"	"	Near Mt. Haggin Unit 2 Deerlodge N.F.	Looking N from road across head of branch of Ten mile Crk. Sec 3. Remains of wood cutters, miners cabins.
22,303 110	"	"	"	Looking W up branch of Ten Mile Crk. from just above road. End of road Sec 3.
22,306 111	"	"	Mt. Haggin Unit 2	Looking S down Seven Mile Crk. from head of ridge between Six and Seven Mile Crks. Mike Frisina with map. Sec 2. Treat A
22,313 112	"	"	"	Elk and cattle sign on area in 22,306. Treat A

35mm COLOR
PHOTOGRAPHIC RECORD

Author A.L. Hormay (ALH)

Mt. Haggin
Route 4 Unit 2 Cont'd.

Headquarters Berkeley, CA

Photo No.	Exposure Date	LOCATION		Description of View
		State, Agency NF, District	Area (Name) Unit or Pasture	
22,314 113	Oct. 17 1979	Montana Dept. Fish & Game	Mt. Haggin Unit 2	Looking E across area 22,306. Car at end of road. Sec 2. Treat A
22,321 114	"	"	"	Looking NW into head Seven Mile Crk. from road on 6-7 mile Crk. Ridge. About Sec 12. Treat A
22,322 115	"	"	"	Looking down middle portion Seven mile Crk Ridge. About Sec 13. Treat A
21,016 116	July 27 1978	"	"	Looking NW from 6-7 Mile Crk. Ridge across Seven Mile Crk. About Sec 24. Treat C
	Last Route 4			

35mm COLOR
PHOTOGRAPHIC RECORD

Author A.L. Hormay (ALH) Mt. Haggin
Route 5 Unit 3 Headquarters Berkeley, CA

Photo No.	Exposure Date	LOCATION		Description of View
		State, Agency NF, District	Area (Name) Unit or Pasture	
19,855 117	Nov. 4	Montana Dept. Fish & Game	Mt. Haggin Unit 3	Arcola area. Seymour Crk. Sec 18. L to R Joe Egan, Mike Frisina, Gus Hormay, Arnold Foss.
19,854 118	"	"	"	Location as in 19,855. L to R Joe Egan, Mike Frisina, Arnold Foss, ?
20,151 119	Aug 18 1977	"	"	Arcola area. Looking SW across Seymour Crk. drainage from road across N end. Treat None
21,297 120	Oct. 20 1978	"	"	Arcola area. Looking E toward old ranch buildings from Mt. Haggin area W boundary fence. Treat B
21,298 121	"	"	"	Arcola area. Old ranch buildings site. Looking N. See 21,297. Treat B
21,299 122	"	"	"	Arcola area. Looking SE down Seymour Crk. drainage from old ranch buildings site. Treat B
21,294 123	"	"	"	Arcola area. Looking NE across swale into Seymour Crk. to R. About 1/3 mile NE of old ranch. Treat B
21,296 124	"	"	"	Arcola area. Boundary fence between Mt. Haggin Area and Beaverhead NF, W of old ranch buildings. Treat B
21,295 125	"	"	"	Arcola area. Looking NE from near photo point 21,296. Treat B
20,722 126	June 14 1978	"	"	Arcola area. Weedy site reflecting range deterioration. Location between boundary fence 21,296 and old ranch buildings. Treat B

35mm COLOR
PHOTOGRAPHIC RECORD

Author A.L. Hormay (ALH)

Mt. Haggin
Route 5 Unit 3 Cont'd.

Headquarters Berkeley, CA

Photo No.	Exposure Date	LOCATION		Description of View
		State, Agency NF, District	Area (Name) Unit or Pasture	
21,038 127	Oct. 20 1978	Montana Dept. Fish & Game	Mt. Haggin Unit 3	Looking N toward Home Ranch. East margin Deep Crk. meadow. Treat B
20,128 128	Aug. 17 1977	"	"	Looking N up Deep Crk. drainage W of Home Ranch. Treat None
20,127 129	" "	"	"	Close up of spot in area 20,128 Treat None
20,132 130	" "	"	"	Looking W across Deep Crk. W of Home Ranch Treat None
20,731 131	June 14 1978	"	"	Looking SW over Home Ranch. Range ready for use in about 7 days. Treat B
22,376 132	Oct. 18 1979	"	"	Looking S down E side of Deep Crk. about 100 yards S of Home Ranch buildings. Treat C
22,273 133	" "	"	"	Same location as for 22,376. Treat C
21,926 134	July 27 1979	"	"	Looking NW up Sullivan Crk. from ridge just above Home Ranch. Treat C
21,031 135	Oct. 20 1978	"	"	Looking SE toward Home Ranch from upper end Sullivan Crk. Mdw. Near old Sullivan Ranch buildings. Treat B
21,028 136	" "	"	"	Old Sullivan Ranch house. Location 21,031. Treat B

35mm COLOR
PHOTOGRAPHIC RECORD

Author A.L. Hormay (ALH)

Mt. Haggin
Route 5 Unit 3 Cont'd.

Headquarters Berkeley, CA

Photo No.	Exposure Date	LOCATION		Description of View
		State, Agency NF, District	Area (Name) Unit or Pasture	
22,351 137	Oct. 18 1979	Montana Dept. Fish & Game	Mt. Haggin Unit 3	Upper end of Sullivan Crk. meadow. Looking SW from logging road. Fence is boundary between Mt. Haggin Area and Deerlodge N.F. Constructed 1979. Treat C
20,143 138	Aug. 17 1977	"	"	Looking SE from logging road into upper end Sullivan Crk. Moose habitat. Treat None
20,141 139	"	"	"	Car servicing on logging road at Sullivan Crk. crossing. Service man Joe Egan. Car driver Merle Rognruf. Supervisor of operation Jack Asey (seated).
21,035 140	Oct. 20 1978	"	Near Mt. Haggin Unit 3 Deerlodge NF	Above upper end Sullivan Crk. meadow looking S from logging road. Logging slash disposal.
21,037 141	"	"	"	Looking SE from logging road down Sullivan Crk. drainage. Lodgepole regenerating on cutover.
21,026 142	Oct. 20 1978	"	Near Mt. Haggin Unit 3 Deerlodge NF	Above upper end of Sullivan Crk. meadow. Looking NW uphill from logging road. Excellent regeneration lodgepole on cutover.
22,352 143	Oct. 18 1979	"	Mt. Haggin Unit 3	Looking S down Sullivan Crk. meadow toward Home Ranch from logging road. Treat C
22,354 144	"	"	"	Looking S down lower portion Seven mile Crk. toward Home Ranch. Treat C
20,129 145	Aug 17 1977	"	"	Looking W from road across confluence Seven Mile Crk. and Ten mile Crk. Treat None
20,133 146	"	"	"	Looking NE along east margin Seven Mile Crk. drainage from near creek bottom road crossing W of buildings in 20,129. Treat None

35mm COLOR
PHOTOGRAPHIC RECORD

Author A.L. Hormay (ALH)

Mt. Haggin
Route 5 Unit 3 Cont'd.

Headquarters Berkeley, CA

Photo No.	Exposure Date	LOCATION		Description of View
		State, Agency NF, District	Area (Name) Unit or Pasture	
20,134 147	Aug. 17 1977	Montana Dept. Fish & Game	Mt. Haggin Unit 3	Looking E from Seven Mile Crk. road crossing described in 20,133. Treat None
22,368 148	Oct. 18 1979	"	"	Looking W across Deep Crk. from lower end of ridge between Seven Mile Crk and California Crk. above Home Ranch. Treat C
21,933 149	July 27 1979	"	"	Looking NE up Seven Mile Crk-California Crk. Ridge about 3/4 mile NE of Home Ranch. Poor range condition. Treat C
21,308 150	Oct. 20 1978	"	"	Looking S from 7 Mile Crk.-Cal. Crk. Ridge. About 1 mile NE Home Ranch. (Lower French Crk. drainage, Unit 1, in background) Treat B
21,929 151	July 27 1979	"	"	As in 21,308. About 1/2 mile NE of Home Ranch. Treat C
20,085 152	Aug. 16 1977	"	"	Looking E from road on 7 Mile Crk.-Cal Crk. Ridge. About 2 miles up ridge from Home Ranch. Treat None
21,309 153	Oct. 20 1978	"	"	Looking N into drainage from road on 7-mile Crk.-Cal. Crk. Ridge. E side Sec 3. Treat B
22,364 154	Oct. 18 1979	"	"	Same as 21,309 about 1/3 mile up the road. Treat C
21,024 155	Oct. 20 1978	"	"	Rough fescue on ridge about 200 ft. E of photo point 21,309. Treat B
21,058 156	Sept. 22 1978	"	"	Rough fescue site in poor condition. Location 21,024. Treat B
			4	

35mm COLOR
PHOTOGRAPHIC RECORD

Author A.L. Hormay (ALH)

Mt. Haggin
Route 5 Unit 3 Cont'd.

Headquarters Berkeley, CA

Photo No.	Exposure Date	LOCATION		Description of View
		State, Agency NF, District	Area (Name) Unit or Pasture	
21,056 157	Sept. 22 1978	Montana Dept. Fish & Game	Mt. Haggin Unit 3	Looking N from road on 7 Mile Crk.-Cal. Crk. Ridge. Sec 25. Treat B
20,738 158	June 14 1978	"	"	Looking NE from road on 7 Mile Crk.-Cal. Crk. Ridge. Sec 26. Treat B
21,311 159	Oct. 20 1978	"	"	Looking E from road on 7 Mile Crk.-Cal. Crk. Ridge. Sec 35. Road in view NE to Mule Ranch. Treat B
21,937 160	July 27 1979	"	"	Looking NE up 7 Mile Crk.-Cal Crk. Ridge. Fence between Units 3 and 2 about 1/3 mile ahead. Weeds reflect range deterioration. Treat C
21,314 161	Oct. 20 1978	"	"	Same as 21,937 but only about 1/4 mile from fence. Better condition range. Treat B
21,316 162	"	"	"	Looking N along fence between Unit 3 (L) and Unit 2 (R). Treatments C and A respectively
21,063 163	Sept. 22 1978	"	"	Looking NE from Anaconda-Ralston Highway across meadow SW of Mule Ranch. Sec 36. Treat B
22,393 164	Oct. 18 1979	"	"	Near repeat of 21,063. A more distant photo. Treat C
	Last Route 5 Unit 3			

CALIFORNIA ACADEMY OF SCIENCES
GOLDEN GATE PARK : SAN FRANCISCO 94118

OFFICE OF THE DIRECTOR

December 19, 1979

Mr. August L. Hormay
101 Acadia Street
San Francisco, CA 94131

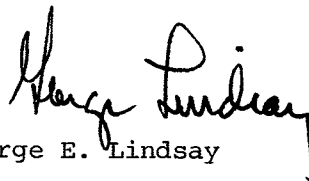
Dear Mr. Hormay:

Thank you for your Life Membership contribution of five hundred dollars to the California Academy of Sciences. I think you might like to know your donation will be added to the Academy's permanent endowment, income from which will be used to support its programs of research and education in the natural and environmental sciences.

This year Life Membership contributions are particularly important because they will bring an additional one hundred twenty five dollars from a Challenge Grant from the National Endowment for the Arts.

We appreciate your interest and help.

Sincerely,

A handwritten signature in dark ink, appearing to read "George Lindsay", with a stylized, cursive script.

George E. Lindsay

GEL:rc



**UNITED STATES
DEPARTMENT OF THE INTERIOR
FISH AND WILDLIFE SERVICE**
Charles M. Russell National Wildlife Range
CMR Planning Team
P.O. Box 698
Lewistown, Montana 59457

IN REPLY REFER TO:

(406) 538-7731

December 20, 1979

Dr. August Hormay
101 Arcadia Street
San Francisco, California 94131

Dear Gus:

Attached is a request for quotation for designing two rest-rotation grazing systems on the Charles M. Russell National Wildlife Refuge. Please fill in your bids in the unit price and amount columns and return as soon as possible.

Sincerely,

Dan K. Hinckley
Team Leader

Encl
SF-18

REQUEST FOR QUOTATIONS
(THIS IS NOT AN ORDER)

Page **1** of **1**

1. REQUEST NO. PT-01	2. DATE ISSUED 12/20/79	3. REQUISITION/PURCHASE REQUEST NO.	4. CERTIFIED FOR NATIONAL DEFENSE UNDER BDSA REG. 2 AND/OR DMS REG. 1 RATING:
5. ISSUED BY U.S. Fish & Wildlife Service CMR Planning Team Charles M. Russell NWR P.O. Box 698 Lewistown MT 59457 <small>FOR INFORMATION CALL (Name and tel. no.) (No collect calls)</small>		6. DELIVER BY (Date) Jan 10, 1979 [1980]	
		7. DELIVERY <input type="checkbox"/> FOB DESTINATION <input checked="" type="checkbox"/> OTHER (See Schedule)	

8. TO NAME AND ADDRESS INCLUDING ZIP CODE Dr. August Hormay 101 Arcadia Street San Francisco, California 94131	9. DESTINATION (Consignee and address including ZIP code) U.S. Fish and Wildlife Service CMR Planning Team Charles M. Russell NWR P.O. Box 698 Lewistown MT 59457
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10. PLEASE FURNISH QUOTATIONS TO THE ISSUING OFFICE ON OR BEFORE CLOSE OF BUSINESS **December 28, 1979** SUPPLIES ARE OF DOMESTIC ORIGIN UNLESS OTHERWISE INDICATED BY QUOTER. THIS IS A REQUEST FOR INFORMATION, AND QUOTATIONS FURNISHED ARE NOT OFFERS. IF YOU ARE UNABLE TO QUOTE, PLEASE SO INDICATE ON THIS FORM AND RETURN IT. THIS REQUEST DOES NOT COMMIT THE GOVERNMENT TO PAY ANY COSTS INCURRED IN THE PREPARATION OR THE SUBMISSION OF THIS QUOTATION, OR TO PROCURE OR CONTRACT FOR SUPPLIES OR SERVICES.


SCHEDULE

11. ITEM NO.	12. SUPPLIES/SERVICES	13. QUANTITY	14. UNIT	15. UNIT PRICE	16. AMOUNT
1.	<p>A. Design of rest-rotation grazing systems for two allotments to best reach wildlife habitat objectives within 8-10 years. Finished product will include at least maps with legends and narratives, including stocking rates, schedule of use, necessary developments, and class of livestock by pasture. This will be done in the Fish and Wildlife Service (henceforth called Service) office on January 8, 9, and 10, 1980. The Service will provide maps, typing, duplication, office space, and information from soil survey, range survey, and wildlife habitat inventory.</p> <p>B. Transportation (San Francisco-Lewistown MT & return) Airplane fare \$288.00, car mileage \$3.60, parking airport \$17.50</p> <p>C. Subsistence, not to exceed \$35.00 for each full day.</p> <p>D. Total</p>	3	Day	\$200.00	\$600.00
					309.10
		5	Day	35.00	175.00
					\$1,084.10

17. PRICES QUOTED INCLUDE APPLICABLE FEDERAL, STATE, AND LOCAL TAXES.

DISCOUNT FOR PROMPT PAYMENT None % 10 CALENDAR DAYS; _____ % 20 CALENDAR DAYS; _____ % 30 CALENDAR DAYS; _____ % _____ CALENDAR DAYS.

NOTE: Reverse must also be completed by the quoter.

18. NAME AND ADDRESS OF QUOTER (Street, city, county, State, including ZIP Code) August L. Hormay 101 Acadia Street San Francisco, CA 94131	19. SIGNATURE OF PERSON AUTHORIZED TO SIGN QUOTATION 	20. DATE OF QUOTATION December 26, 1979
	21. SIGNER'S NAME AND TITLE (Type or print) August L. Hormay Range Management Consultant	22. TELEPHONE NO. (Include area code) 415-587-3155