

WILD HORSE

~~9-92~~



**U.S. DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

September 1992



Winnemucca District Office
705 East 4th Street
Winnemucca, Nevada 89445

9/89

SONOMA-GERLACH RESOURCE AREA

RANGELAND PROGRAM SUMMARY UPDATE

The Bureau of Land Management is responsible for the stewardship of our public lands. It is committed to manage, protect, and improve these lands in a manner to serve the needs of the American people for all times. Management is based on the principles of multiple use and sustained yield of our nation's resources within a framework of environmental responsibility and scientific technology. These resources include: recreation; rangelands; timber; minerals; watershed; fish and wildlife; wilderness; air; and scenic, scientific, and cultural values.

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United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Winnemucca District Office
705 East 4th Street
Winnemucca, Nevada 89445



IN REPLY REFER TO:

4100
(NV-023.3)

Dear Reader:

This Rangeland Program Summary (RPS) Update is part of our continuing effort to keep you informed of our progress toward the implementation of the Rangeland Program for the Sonoma-Gerlach Resource Area.

Planning and management of public lands is a dynamic process. It incorporates public participation and consultation, extensive resource monitoring, and management flexibility to best meet public and resource needs. This document presents the current Rangeland Program status in the Sonoma-Gerlach R.A., describes our management progress, outlines decision or agreement modifications, future project needs and management direction.

We feel that we are making progress toward improving our public rangeland. This progress is being realized as a result of the vital role of user groups and public participation and cooperation. Consequently, we would like to express our thanks to those groups, individuals, and local governments who have provided much needed support and assistance, plus we encourage you to continue your participation in our efforts to meet the public and resource needs.

Sincerely yours,

District Manager

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Introduction

The Final Sonoma-Gerlach Grazing Environmental Impact Statement (EIS) was completed in September of 1981. It analyzed a proposed rangeland management program, along with several alternatives, for livestock grazing, wildlife habitat resources, and wild horse and burro grazing for the Winnemucca District's Sonoma-Gerlach Resource Area. Upon completion of the Environmental Impact Statement, the District prepared a Land Use Plan. The Sonoma-Gerlach Management Framework Plan (MFP) was approved by the State Director in 1982. A summary of these decisions was reported in the August 1982 Record of Decision for the Final Sonoma-Gerlach Grazing Environmental Impact Statement.

The Bureau's decision is to adopt an integrated plan using components of both the Proposed Action and Livestock Reduction/Maximizing Wild Horses and Burros Alternatives. Adjustments in grazing use will be based upon rangeland monitoring and implemented through agreements and/or decisions. Priorities for implementation of intensive management by allotment will be accomplished through the selective management approach, as specified in the Final grazing Management Policy (Washington Office Instruction Memorandum No. 82-292).

The Rangeland Program Summary (RPS) dated October 14, 1983, and RPS update dated June, 1988, were designed to inform interested persons about the progress toward implementation of the rangeland program, as set forth in the planning decision of the 1982 Sonoma-Gerlach Management Framework Plan. To make the RPS an effective management tool it is necessary to update the RPS to include the progress made since June of 1988.

This document addresses the changes in the grazing management program, wild horse and burro program and wildlife programs, as well as progress made toward meeting land use plan objectives that have occurred since the RPS was last updated.

Objectives of the Program

The short and long-term range objectives of the grazing management program are to maintain or improve the condition of the public rangelands. Short-term objectives are the targeted utilization levels that are addressed in Table II. Long-term objectives are the desired habitat conditions that are addressed in Table II. The objectives as stated in the RPS are to manage, maintain, and improve the rangeland conditions on the public lands through the following:

- a. Improve and maintain a sufficient quantity, quality, and diversity of habitat and forage for livestock, wildlife, wild horses and burros on a sustained yield basis through natural regeneration and/or artificial methods;
- b. Improve the vegetation resource by considering the physiological needs of key management species in the development of activity plans,
- c. Reduce soil erosion and enhance watershed value by increasing ground cover and litter;

- d. Improve the health and productivity of wild horses and burros by maintaining a natural ecological balance of wild horses and burros on public lands, and;
- e. Improve and maintain the condition of the riparian and stream habitat.

Allotments that have been evaluated have had allotment specific objectives developed. These objectives are listed by allotment on pages 7 through 28.

Management Implementation

The rangeland management program will be implemented through decisions or agreements. These will be based on the results of the consultation, cooperation and coordination process and the evaluation of vegetative monitoring data.

The process may be accomplished in an informal manner, initiated by either the BLM or the affected interests. Regardless of the approach, all affected interests will be afforded the opportunity to actively participate in the process.

Priorities for Implementation

The selective management approach is being used to implement the rangeland management program. Selective management classifies grazing allotments into three categories: "M" (Maintain), "I" (Improve), or "C" (Custodial).

All allotments were grouped into these categories according to their management needs, potential for improvements, and Bureau funding/manpower constraints following consultation with interested groups and individuals.

"I" category allotments will receive the highest priority for development of intensive grazing management through the consultation and coordination process. "M" category allotments will receive second priority, while "C" category allotments will be third priority. Refer to Table I for a list of allotments by category and allotment priority.

Categories of allotments and properties may change because of public interest or resource conflicts.

Implementation of Grazing Use Adjustments

Grazing use adjustments where needed will be implemented either through agreements with permittees or through decisions based upon monitoring evaluations.

a. Agreements to Make Adjustments

All agreements must document initial stocking levels, periods-of-use, regular nonuse to be taken, length of time that the agreement is in effect, overall management objectives, the monitoring data to be collected, a schedule for evaluations, and the resulting management actions to be taken. These agreements will be based upon the best available data, but will not preclude the future establishment of intensive grazing systems, use adjustments or other management practices that may be necessary for proper management of the rangeland resources. Adjustments based upon additional monitoring data gathered will be implemented by a decision or through agreements that will initiate the five-year adjustment implementation period. Agreements will be coordinated with affected interests prior to signature. Agreements will be followed up with a Multiple Use Decision to give all affected interests the option to seek legal recourse.

b. Decisions to Make Adjustments

Where monitoring data exists to support grazing adjustments and an agreement cannot be reached, a decision will be issued. These adjustments in grazing use will include but are not limited to season-of-use, animal numbers, and kind/class of grazing animals.

Progress of Program Implementation

The following Table II summarizes progress made towards program implementation of the land use plan (Management Framework Plan). Specifically, the table illustrates the progress made in developing management plans. Completed monitoring actions and range improvements accomplished since the last RPS update are shown to depict progress of on-the-ground management implementation.

Resource Monitoring and Evaluation

The objective of the monitoring program is to gather data that will be used to evaluate progress toward meeting management objectives. The monitoring program will include wildlife, watershed, range, riparian, and wild horse studies, and the data collected will include actual use, utilization, climatic and condition and trend studies.

Protest and Appeal Procedures

Individuals or groups who feel that their interest might be adversely affected by a proposed decision, should submit a written request to receive a copy of the proposed decision. Address your request to District Manager, Bureau of Land Management, 705 East Fourth Street, Winnemucca, Nevada 89445.

Appropriations

The development of the grazing management program for the Sonoma-Gerlach Resource Area will depend on adequate appropriations and manpower for implementation.

For additional information about the Sonoma-Gerlach Rangeland Management Program, please contact Bud Cribley, Sonoma-Gerlach Resource Area Manager, Winnemucca District Office, Bureau of Land Management, 705 East Fourth Street, Winnemucca, Nevada 89445, or by calling (702) 623-1500.

Table I
 Sonoma-Gerlach Resource Area
 Selective Management Categorization 1/

<u>Priority</u>	<u>Allotment Name</u>	<u>Categorization</u>	<u>Benefit/Cost Analysis</u>
1	Soldier Meadows	I	.2/1
2	Buffalo Hills*	I	.8/1
3	Rodeo Creek	I	.6/1
4	Blue Wing	I	1/1
5	Seven Troughs	I	1/1
6	Clear Creek	I	.4/1
7	Dolly Hayden	I	.4/1
1	Sonoma	M	
2	Rock Creek	M	
3	Melody	M	
4	Harmony	M	
5	Goldbanks	M	.6/1
6	Coyote	M	
7	Rye Patch	M	
8	Leadville	M	
9	Coal Canyon-Poker	M	
1	Pleasant Valley	C	
2	Star Peak	C	
3	Majuba	C	
4	Pumpnickel	C	
5	Desert Queen	C	
6	White Horse	C	
7	Klondike	C	
8	Rochester	C	
9	Rawhide	C	
10	Diamond S	C	
11	Thomas Creek	C	
12	Prince Royal	C	
13	Pole Canyon	C	
14	Ragged Top	C	
15	Humboldt House	C	
16	Humboldt Sink	C	
	Buffalo Valley (Battle Mountain)	M	
	North Buffalo (Battle Mountain)	C	
	Licking (Battle Mountain)	C	
	Jersey Valley (Carson City)	C	
	Cottonwood (Carson City)	C	

1/ Implementation of the Rangeland Management Program for allotments located within the Winnemucca District but administered by other BLM districts will be based upon their (the administering district) established priority.

* Calico allotment combined with Buffalo Hills.

Listed below are the allotments where decisions or agreements have been completed. Listed with the allotment are the short term and long term objectives that are specific for that allotment.

I. Soldier Meadows

a. Short Term

- 1) Utilization of Willow (Salix spp.) and Aspen (Populus tremuloides) in streambank riparian areas shall not exceed 30% on the following streams. (WLA-1.3)

Mahogany Creek (outside enclosure)
Mahogany Creek (inside enclosure-10%)
Summer Camp Creek
Snow Creek
Donnelly Creek
Slumgullion Creek
Soldiers Creek

- 2) Utilization of Nevada bluegrass (Poa nevadensis) and Cinquefoil (Potentilla spp.) on 1,383 acres of wetland riparian habitat shall not exceed 50%. (WL-1.10)

- 3) Utilization shall not exceed 50% for mountain mahogany and 40% for aspen in upland sites. (WL-1.9)

b. Long Term

- 1) Improve or maintain riparian habitat along the following streams as follows: (WLA-1.3 & WL-1.9)

<u>Stream Name</u>	<u>Acres</u>	<u>From - To</u>
*Mahogany Creek	100	At - Excellent
*Summer Camp Creek	30	At - Excellent
*Snow Creek	30	At - Good
Donnelly Creek	109	Fair - Good
Soldiers Creek	100	Fair - Good
Slumgullion Creek	100	Poor - Good

* These streams have populations of the federally listed threatened Lahontan Cutthroat Trout.

- 2) Improve or maintain the following streams from the percent of optimum indicated to 60% or better.

<u>Stream Name</u>	<u>Present % of Optimum</u>	<u>Miles</u>
Mahogany Creek	67%	6
Summer Camp Creek	62%	2

Snow Creek	56%	3
Donnelly Creek	53%	8
Soldiers Creek	58%	8
Slumgullion Creek	46%	8

- 3) Maintain habitat for the federally listed threatened Desert Dace at excellent within the 307 acre ACEC. (WL-1.5a)
- 4) Improve to and maintain in good or higher condition, 1,383 acres of wetland riparian habitat. (WL-1.10)
- 5) Manage, maintain and improve public rangeland habitat condition to provide forage on a sustained yield basis, with an initial forage demand for big game for 786 AUMs for mule deer, 429 AUMs for pronghorn, and 264 AUMs for bighorn sheep by:
 - a) Improving the following mule deer habitat from good to excellent condition: Bear Buttes DS-1 (4,174 acres); Mahogany DS-2 (24,047 acres); Soldier DW-7 (18,666 acres) and Warm Springs DW-8 (43,633 acres).
 - b) Improving Big Mountain DS-2 (7,077 acres) and Soldier DW-6 (6,996 acres) mule deer habitat from fair to good condition.
 - c) Improving Black Mountain DS-3 (19,462 acres) and Paiute DS-2 (2,255 acres) mule deer habitat from poor to fair condition.
 - d) Improving Black Butte AS-2 (19,148 acres) and Warm Springs AW-2 (61,452 acres) pronghorn habitat from fair to good condition.
 - e) Improving High Rock Lake AW-1 (7,665 acres) pronghorn habitat from poor to fair condition.
 - f) Improving Calico Mts. BY-6 (28,516 acres) California bighorn sheep habitat from 70% to 90% of optimum.
 - g) Maintain 49,254 acres of Black Rock Range BY-4 potential California bighorn sheep habitat in good condition to support reestablishment.
- 6) Protect known sage grouse strutting and nesting habitat and improve brooding habitat by: (WL-1.11)
 - a) Following NDOW's guidelines for Vegetal Control Programs in Sage Grouse Habitat in Nevada.
 - b) Maintain sagebrush canopy at 30% in sage grouse nesting areas where sagebrush does not exceed three

(3) feet in height.

- 7) Maintain or improve 658 acres of aspen woodland and 1,825 acres of mountain mahogany thicket to late seral status or equivalent. (WL-1.9)
- 8) Manage, maintain and improve rangeland conditions to provide forage on a sustained yield basis with an initial stocking level of 16,070 AUMs.

Improve range/ecological 1/ condition from:

Poor to fair on 49,161 acres.
Fair to good on 131,096 acres.
Good to excellent on 98,321 acres.

- 9) Manage, maintain and improve public rangeland conditions to provide an initial level of 10,140 AUMs of forage on a sustained yield basis for 2/ 835 wild horses and 10 burros in the following Herd Areas:

	<u>AML</u>	<u>AUMs</u>
Warm Springs Canyon	294/10	3528/120
Black Rock Range-West	424/0	5088/0
Calico Mountains	117/0	1404/0

1/ The range/ecological conditions in this document are forage condition that will be replaced with ecological status condition as information becomes available. The objective will be redefined/quantified to obtain a particular ecological status when site potential and identified uses are combined to meet vegetative objectives.

2/ AML refer to adult horses and burros (i.e., two years or older).

- 10) Maintain and improve the free-roaming behavior of wild horses and burros by protecting and enhancing their home ranges.
- 11) Maintain/improve wild horse/burro habitat by assuring free access to water.
- 12) Improve or maintain Mahogany Creek to Class A water standards.

- 13) Improve or maintain the water quality of the following streams to the State criteria set for livestock drinking water, cold water aquatic life, water contact recreation (wading), and wildlife propagation:

Summer Camp Creek
Snow Creek
Donnelly Creek
Slumgullion Creek
Soldiers Creek

- 14) Maintain water quality standards for Desert Dace habitat in the spring where they occur to the following:

temperature	32-38°C/90-100°F
nitrites	=90 mg/L
turbidity	=50 NTU
pH	6.5-9.0
D.O.	5.0 mg/L

II. Buffalo Hills

1. Short Term

- a. Utilization of key streambank riparian plant species shall not exceed 30% in the following streams except where adjusted by an approved activity plan. (WLS-1.3)

Red Mountain Creek
Cottonwood Creek
Wagontire Creek
Granite Creek
Rock Creek
Donnelly Creek

- b. Total utilization of key plant species in 2,493 acres of wetland riparian habitat shall not exceed 50%. (WL-1.10)
- c. Utilization of key plant species in upland habitats shall not exceed 50% except where adjusted by an activity plan. (WL 1.7, WL 1.9, RM1)
- d. Combine the Buffalo Hills allotment with the Calico allotment to be grazed as the Buffalo Hills grazing management system, as specified in Buffalo Hills AMP.

2/ Key forage species whose use serves as an indicator to the degree of use of associated species; or those species which must, because of their importance, be considered in a management program.

2. Long Term

- a. Improve and maintain the overall stream habitat from the percent of optimum indicated to 60% or better. (WLA-1.3)

Red Mountain Creek	36%	9 miles
Cottonwood Creek	49%	3 miles
Wagontire Creek	23%	3 miles
Granite Creek	45%	2 miles
Rock Creek	65%	3 miles
Donnelly Creek	53%	2 miles

- b. Improve or maintain the condition of 2,493 acres of wetland riparian habitat to good or higher. (WL-1.9)

- c. Improve or maintain riparian habitat at good condition from the condition indicated. (WLA-1.3 & WL-1.9)

Red Mountain Creek	109 acres poor
Cottonwood Creek	36 acres good
Wagontire Creek	36 acres poor
Granite Creek	24 acres good
Rock Creek	36 acres good
Donnelly Creek	24 acres fair

- d. Protect sage grouse strutting grounds and brooding habitat and improve nesting and wintering habitat by: (WL-1.11)

- 1) Following NDOW's guidelines for Vegetal Control Programs in Sage Grouse Habitat in Nevada.
- 2) Maintain sagebrush canopy at 30% in sage grouse nesting areas where sagebrush does not exceed three (3) feet in height.

- e. Maintain or improve 565 acres of aspen woodland and 349 acres of mountain mahogany thicket to good or equivalent. This includes acres burned in the Fox Mountain and Middle Fork Fires during 1985. (WL-1.9)

- f. Manage, maintain or improve public rangeland habitat condition to provide forage on a sustained yield basis with an initial forage demand for big game of 6,340 AUMs for mule deer, 1,060 AUMs for pronghorn and 1,228 AUMs for bighorn sheep by:

- 1) Improving 7,680 acres of priority mule deer habitat to excellent.

- 2) Improving overall mule deer habitat as follows:
 - a) From good to excellent 61,945 acres: Granite Range DS-1; Poodle Mtn. DS-2; Granite Range DS-6; Crutcher Canyon DW-4; Donnelly Peak DS-5.
 - b) From fair to good 4,713 acres: Buffalo Reservoir DW-2.
- 3) Maintaining mule deer habitat as follows:
 - a) Good condition 93,402 acres: Buffalo Hills DS-2; Horse Canyon Ds-2; Sawmill Canyon DS-2; Granite Basin DS-5; Granite Range DW-6.
 - b) Excellent condition 5,249 acres: Granite Range DW-7; Rock Creek DW-8; Granite Creek DW-9.
- 4) Improving pronghorn habitat as follows:
 - a) From fair to good 140,068 acres: Buffalo Hills AS-3; Granite Range AS-8; Middle Fork AS-8; Granite Basin AS-9; Crutcher Canyon AW-1; South Buffalo Hills AW-2; Middle Fork AW-8; Rock Creek AW-9; Donnelly Peak AS-1; Division Peak AS-6.
 - b) From poor to fair 3,845 acres: Clear Creek AW-5; Granite Point AW-10.
- 5) Maintain pronghorn habitat as follows:
 - a) Good condition 57,298 acres: Buffalo Hills AW-3.
- 6) Improving 26,376 acres of priority bighorn sheep habitat (Granite Range BY-1) and Division Peak BY-5 from 70% to 90% of optimum and Division Peak BY-5.
- 7) Manage, maintain or improve ecological status to provide forage on a sustained yield basis with an initial stocking level of 4,114 AUMs. The goal is to provide forage on a sustained yield basis with a stocking level of 11,920 AUMs.
- 8) Improve range/ecological 1/ condition from:
 - Poor to Fair on 267,748 acres.
 - Fair to Good on 74,138 acres.
 - Good to Excellent on 37,764 acres.

1/ The range/ecological conditions in this document are forage condition that will be replaced with ecological status condition as information becomes

available. The objective will be redefined/quantified to obtain a particular ecological status when site potential and identified uses are combined to meet vegetative objectives.

- 9) Manage, maintain and improve public rangeland conditions to provide an initial level of 6,660 AUMs of forage on a sustained yield basis for 555 (AMLs) 1/ wild horses in the following Herd Use Areas:

	<u>AML</u>	<u>AUMs</u>
Buffalo Hills	272	3264
Granite Range	176	2112
Calico Mountains	107	1284

- 10) Manage, maintain and improve public rangeland conditions to provide an initial level of 504 AUMs of forage on a sustained yield basis for 42 (AMLs) 1/ wild horses in the Calico Mountains Herd Use Areas.
- 11) Maintain and improve the free-roaming behavior of wild horses and burros by protecting and enhancing their home ranges.
- 12) Maintain/Improve wild horse/burro habitat by assuring free access to water.
- 13) Improve or maintain the water quality of the following streams to State criteria set for livestock drinking water, cold water aquatic life, water contact recreation (wading), and wildlife propagation:

Red Mountain Creek
Cottonwood Creek
Wagontire Creek
Granite Creek
Rock Creek
Negro Creek
Donnelly Creek

- 14) Maintain the water quality of Negro Creek from its origin to the first irrigation diversion to the State Class A water quality standards.

III. Rodeo Creek

1. Short Term

- a. Utilization of key plant species in 596 acres of wetland riparian habitat shall not exceed 50% except where adjusted by an approved activity plan. (WL-1.10)

- b. Total utilization of antelope bitterbrush (PUTR2) shall not exceed 50% and 40% on quaking aspen (POTR5) except where adjusted by an approved activity plan. (WL-1.7 and WL-1.9)
- c. Maintain an acceptable allowable use level on key forage species 1/ that will provide a sustained yield.

1/ Key forage species whose use serves an indicator to the degree of use of associated species; or those species which must, because of their importance, be considered in a management program.

2. Long Term

- a. Improve to and maintain the condition of 596 acres of wetland riparian habitat type to good or better. (WL-1.10)
- b. Protect sage grouse strutting grounds and nesting wintering habitat and improve brooding habitat by: (WL-1.11)
 - 1) Following NDOW's guidelines for Vegetal Control Programs in sage Grouse Habitat in Nevada.
 - 2) Maintain sagebrush canopy at 30% in sage grouse nesting and wintering areas where sagebrush does not exceed (3) feet in height.
- c. Manage, maintain and improve public rangeland habitat condition to provide forage on a sustained yield basis, with an initial forage demand for big game of 177 AUMs for mule deer, 137 AUMs for pronghorn and 150 AUMs for bighorn sheep by:
 - 1) Improve or maintaining Fox Range DY-1 (16,224 acres) mule deer habitat to good condition.
 - 2) Improving or maintaining Fox Range AY-5 (38,100 acres) pronghorn habitat to good condition.
 - 3) Improving or maintaining Fox Range BY-3 (32,530 acres) potential California bighorn habitat at 75% of optimum.
 - 4) Improve bitterbrush from severely hedged form class to lightly hedged form class.
- d. Manage, maintain and improve rangeland conditions to provide forage on a sustained yield basis with an initial stocking level of 6,462 AUMs.

- e. Improve range/ecological condition 1/ from: poor to fair on 162,458 acres fair to good on 27,076 acres good to excellent on 1,934 acres.
- f. Manage, maintain and improve public rangeland conditions to provide an initial level of 4,020 AUMs of forage on a sustained yield basis for 335 (AMLs) 2/ wild horses in the Fox and Lake Range Herd Use Area.

1/ The range/ecological conditions in this document are forage condition that will be replaced with ecological status condition as information becomes available. The objective will be redefined/quantified to obtain a particular ecological status when site potential and identified uses are combined to meet vegetative objectives.

2/ AML refer to adult horses and burros (i.e. two years or older).

- g. Maintain and improve the free-roaming behavior of wild horses and burros by protecting and enhancing their home range.
- h. Maintain/improve wild horse/burro habitat by assuring free access to water.

IV. Blue Wing

1. Short Term

- a. Utilization of key streambank riparian plant species shall not exceed 30% in the following streams except where adjusted by an approved activity plan.
- b. Total utilization of plant species in approximately 143 acres of riparian habitat shall not exceed 50%.
- c. Total utilization shall not exceed the allowable use for the following wildlife key species. (WL-1.7 & WL-1.9)

Antelope bitterbrush (PUTR2)	50%
Quaking aspen (POTR5)	40%
Serviceberry (AMAL)	40%
Snowberry (SYMPH)	40%
Winterfat (EULA5)	50%
Cinquefoil (POTEN)	20%
Sandberg bluegrass (POSE)	30% (winter & spring)

- d. Utilization of key plant species on upland rangeland/habitat shall not exceed 50% during the growing season and not exceed 60% yearlong, except where adjusted by an approved activity plan.

2. Long Term

- a. Improve and maintain the overall stream habitat in 2 miles of Jenny Creek from poor to 60% of optimum or better. (WLA-1.3)
- b. Improve or maintain the condition of 358 acres of wetland riparian habitat to good or higher. (WL-1.10)
- c. Improve or maintain 24 acres streambank riparian habitat at good condition from poor condition. (WLA-1.3 & WL-1.11)
- d. Protect sage grouse strutting grounds and brooding habitat and improve nesting and wintering habitat by: (WL-1.11)
 - 1) Following NDOW's guidelines for Vegetal Control Programs in Sage Grouse Habitat in Nevada.
 - 2) Maintain sagebrush canopy at 30% in sage grouse nesting areas where sagebrush does not exceed three (3) feet in height.
- e. Maintain or improve 40 acres of aspen woodland to good status or equivalent. (WL-1.9)

- f. Manage, maintain or improve public rangeland habitat condition to provide forage on a sustained yield basis with an initial forage demand for big game of 1,196 AUMs for mule deer, 75 AUMs for pronghorn and 106 AUMs for bighorn sheep by:
- 1) Improving overall mule deer habitat as follows:
 - a) From fair to good 113,719 acres: Lava Beds DY-4; Selenite Range DY-1; Seven Trough DS-2; Seven Troughs DY-5.
 - b) From poor to fair 22,107 acres: Nightingale Mts. DY-2 and Shawave Mts. DY-3.
 - g. Improving potential pronghorn habitat 308,900 acres from fair to good condition.
 - h. Improving 9,485 acres of potential bighorn sheep habitat (Selenite Range BY-1) to 90% of optimum.
 - i. Manage, maintain and improve rangeland conditions on sustained yield basis with an initial stocking level of 33,852 AUMs.
 - j. Manage domestic livestock grazing to increase 136,318 acres from poor and fair to good, and 3,505 acres from good to excellent ecological condition; improve range condition and forage availability, to reach and sustain 33,852 AUMs of active preference for livestock grazing.

Table II

<u>Key Species</u>	<u>% Allowable Use Levels</u>
SIHY	40
STTH2	40
POA++	50
FEID	40
BASA3	30
CRAC2	50
ORHY	50
BASA	30
AGSP	50
PUTR2	50
SPHAER	15
EULA5	50

- k. Manage, maintain and improve rangeland conditions to provide an initial level of 12, 240 AUMs of forage on a sustained yield basis for 877/143 (AMLs) 1/ wild horses and burros in the following Herd Use Area:

<u>Current</u>		<u>AML</u>	<u>AUMs</u>	<u>Progress</u>
413/94	Lava Beds <u>2</u> /	375/40	4500/480	999/24 head of horses and burros removed from Lava Beds, Seven Troughs, Selenite Range and Kamma Mtns. in November/December of 1987.
50/22	Blue Wing Mts.	50/39	600/468	
124/0	Nightingale Mtns.	87/0	1044/0	
169/0	Shawave Mtns.	100/0	1200/0	
237/149	Seven Troughs	215/64	2580/768	
56/0	Kamma Mtns.	50/0	600/0	

- l. Maintain and improve the free-roaming behavior of wild horses and burros by protecting and enhancing their home ranges.
- m. Maintain/improve wild horse/burro habitat by assuring free access to water.
- n. Improve or maintain the water quality of Jenny Creek to the state criteria for livestock drinking and wildlife propagation.

1/ AML refer to adult horses and burros (i.e. two years or older).

2/ Northeast corner of the Herd Area is in the seven Troughs allotment.

State Water Quality Criteria

<u>constituent/use</u>	<u>Livestock Drinking</u>	
	<u>Water</u>	<u>Wildlife Propagation</u>
TDS (total dissolved solids)	3000 mg/l	-
NO ₃ (N)	100 mg/l	100 mg/l
Fecal coliform	1000/100 ml	1000/100 ml
pH	5.0 - 9.0	5.0 - 9.2
D.O. (dissolved oxygen)	aerobic	aerobic
Alkalinity	-	30-130 mg/l
Alkalinity		

V. Seven Troughs

1. Short Term

- a. Total utilization on plant species in approximately 215 acres of riparian habitat shall not exceed 50%.
- b. Total utilization shall not exceed the allowable use for the following wildlife key species.

Antelope bitterbrush (PUTR2)	50%
Quaking aspen (POTR5)	40%
Serviceberry (AMAL)	40%
Snowberry (SYMPH)	40%
Winterfat (EULA5)	50%
Cinquefoil (POTEN)	20%
Sandberg bluegrass (POSE)	30% (winter & spring)

- c. Utilization of key plant species on upland rangeland/habitat shall not exceed 50% during the growing season and not exceeding 60% yearlong, except where adjusted by an approved activity plan.

2. Long Term

- a. Improve and maintain the overall stream habitat in 2 miles of Jenny Creek from poor to 60% of optimum or better. (WLA-1.3)
- b. Improve or maintain the condition of 358 acres of wetland riparian habitat to good or higher. (WL-1.10)
- c. Improve or maintain 24 acres streambank riparian habitat at good condition from poor condition. (WLA-1.3 & WL-1.9)
- d. Protect sage grouse strutting grounds and brooding habitat and improve nesting and wintering habitat by: (WL-1.11)
 - 1) Following NDOW's guidelines for Vegetal Control Programs in Sage Grouse Habitat in Nevada.
 - 2) Maintain sagebrush canopy at 30% in sage grouse nesting areas where sagebrush does not exceed three (3) feet in height.
- e. Maintain or improve 40 acres of aspen woodland to good status or equivalent. (WL-1.9)

- f. Manage, maintain or improve public rangeland habitat condition to provide forage on a sustained yield basis with an initial forage demand for big game of 1,196 AUMs for mule deer, 75 AUMs for pronghorn and 106 AUMs for bighorn sheep by:
1. Improving overall mule deer habitat as follows:
 - a) From fair to good 113,719 acres: Lava Beds DY-4; Selenite Range DY-1; Seven Troughs DS-2; Seven Troughs DY-5.
 - b) From poor to fair 22,107 acres: Nightingale Mts. DY-2 and Shawave Mts. DY-3.
 - g. Improving potential pronghorn habitat 308,900 acres from fair to good condition.
 - h. Improving 9,485 acres of potential bighorn sheep habitat (Selenite Range BY-1) to 90% of optimum.
 - i. Manage, maintain and improve rangeland conditions on a sustained yield basis with an initial stocking level of 33,852 AUMs.
 - j. Manage domestic livestock grazing to increase 136,318 acres from poor and fair to good, and 3,505 acres from good to excellent ecological condition; improve range condition and forage availability, to reach and sustain 33,852 AUMs of active preference for livestock grazing.
 - k. Manage, maintain and improve rangeland conditions to provide an initial level of 12,240 AUMs of forage on a sustained yield basis for 877/143 $\frac{1}{2}$ wild horses and burros in the following Herd Use Areas:

<u>Current</u>		<u>AML</u>	<u>AUMs</u>	<u>PROGRESS</u>
413/94	Lava Beds $\frac{2}{1}$	375/40	4500/480	999/24 head of horses
50/22	Blue Wing Mtns.	50/39	600/468	and burros removed from
124/0	Nightingale Mtns.	87/0	1044/0	Lava Beds, Seven Troughs,
169/0	Shawave Mtns.	100/0	1200/0	Selenite Range and Kamma
237/149	Seven Troughs	215/64	2580/768	Mtns. in November/
56/0	Kamma Mtns.	50/0	600/0	December 1987.

- l. Maintain and improve the free-roaming behavior of wild horses and burros by protecting and enhancing their home ranges.
- m. Maintain/improve wild horse/burro habitat by assuring free access to water.

- n. Improve or maintain the water quality of Jenny Creek to the state criteria for livestock drinking and wildlife propagation.

1/AML refer to adult horses and burros (i.e. two years or older)

2/Northeast corner of the Herd Area is in the Seven Troughs Allotment.

constituent/use	State Water Quality Criteria	
	Livestock drinking water	Wildlife Propagation
TDS (total dissolved solids)	3000 mg/l	-
NO ₃ (N)	100 mg/l	100 mg/l
Fecal coliform	1000/100 ml	1000/100 ml.
pH	5.0-9.0	5.0-9.2
D.O. (dissolved oxygen)	aerobic	aerobic
Alkalinity	-	30-130 mg/l
Alkalinity		

VI. Sonoma

1. Short Term

- a. Utilization of key streambank riparian plant species shall not exceed 30% in Sonoma Creek except where adjusted by an approved activity plan. (WLA-1.3)
- b. Total utilization of key plant species in 223 acres of wetland riparian habitat shall not exceed 50%. (WL-1.9)
- c. Utilization of key plant species on upland rangeland/habitat shall not exceed 50% except where adjusted by an approved activity plan. (WL 1.7, WL-1.9 & RM1)

2. Long Term

- a. Improve and maintain the overall stream habitat condition on Sonoma Creek from 33% of optimum to 60% or better. (WL-1.3)
 - 1) Streambank cover to 60% or above.
 - 2) Streambank stability to 60% or above.
 - 3) Maximum summer water temperature below 70°F.
 - 4) Sedimentation below 10%.
- b. Improve and maintain the condition of 223 acres of wetland riparian habitat type to good or better. (WL-1.10)
- c. Improve and maintain 100 acres of upland riparian habitat from poor to good condition. (WL-1.3 & WL-1.9)

- d. Protect sage grouse strutting grounds and brooding habitat and improve nesting and wintering habitat by: (WL-1.11)
 - 1) Following NDOW's guidelines for Vegetal Control Programs in Sage Grouse Habitat in Nevada.
 - 2) Maintain sagebrush canopy at 30% in sage grouse nesting and wintering areas where sagebrush does not exceed three (3) feet in height.
- e. Manage, maintain or improve public rangeland habitat condition to provide forage on a sustained yield basis with an initial forage demand for big game of 141 AUMs for mule deer, 29 AUMs for bighorn sheep by:
 - 1) Improving overall mule deer habitat as follows:
 - a) From fair to good 14,029 acres: Sonoma Range DS-5 and DW-1
 - 2) Improving 6,400 acres of bighorn sheep habitat to 90% of optimum.
- f. Maintain and improve public rangeland conditions to provide forage on a sustained yield basis with an initial stocking level of 1,513 AUMs.
- g. Improve range/ecological condition from fair on 7,062 acres and from fair to good on 11,098 acres and good to excellent on 1,009.
- h. Remove all wild horses/burros from the Sonoma HUA. (This HUA includes the Sonoma Allotment).
- i. The Sonoma Range Herd Use Area boundary will be retained for administrative purposes.

- j. Improve or maintain the water quality of Sonoma Creek to the state criteria set for the following beneficial uses: livestock drinking water, cold water aquatic life, wildlife propagation, and wading.

Use Constituent	Livestock Water	Cold Water Aquatic Life (fishery)	Wildlife Propagation	Wading (water contact rec)
TDS (total dissolved solids)	3000 mg/l			
PO ₃ (P)		site specific		
NO ₃ (N)	100 mg/l		100 mg/l	
Turbidity		10 TUs		
Temperature		70°F		
Fecal Coliform	1000/100 ml		1000/100 ml	200/400/100 ml.
pH	5.0-9.0	6.5-9.0	7.0-9.2	6.5-8.3/9.0***
D.O. (dissolved oxygen)	aerobic	75.0 mg/l	aerobic	aerobic
Alkalinity		25% change from natural conditions	30-13 mg/l	

* The fecal coliform concentration, based on a minimum of 5 samples during any 30-day period, must not exceed a geometric mean of 200 per 100 milliliters nor may more than 10 percent of total samples during any 30-day period exceed 400 per 100 milliliters.

*** If there is no eye contact or if TDS are very low, then a pH up to 9.0 is suitable.

VII. Rock Creek

1. Short Term

- Total utilization of key plant species in 120 acres of wetland riparian habitat shall not exceed 50% except where adjusted by an approved activity plan. (WL-1.10)
- Utilization of key plant species in upland habitats shall not exceed 50% except where adjusted by an approved activity plan. (WL-1.7, WL-1.9, RM 1)
- Utilization of key streambank riparian plant species shall not exceed 30% in Rock Creek except where adjusted by an approved activity plan. (WL-1.3)

2. Long Term

- Improve or maintain the condition of 120 acres of wetland riparian habitat type to good or higher. (WL-1.10)

- b. Protect sage grouse strutting grounds and nesting and wintering habitat and improve brooding habitat by: (WL-1.11)
 - 1) Following NDOW's guidelines for Vegetal Control Programs in Sage Grouse Habitat in Nevada.
 - 2) Maintain sagebrush canopy of 30% in sage grouse nesting and wintering areas where sagebrush does not exceed three (3) feet in height.
- c. Maintain or improve 300 acres of aspen woodland habitat type in good condition. (WL-1.9)
- d. Manage, maintain and improve public rangeland habitat condition to provide forage on a sustained yield basis with an initial forage demand for big game of 134 AUMs for mule deer, and 43 AUMs for bighorn sheep by:
 - 1) Improving 25,106 acres overall mule deer habitat as follows:
 - a) From fair to good. Sonoma Range DS-5 and DW-1.
 - 2) Improving 10,000 acres of bighorn sheep habitat (Sonoma Range BS-3 and BW-2) to 75% of optimum.
- e. Manage, maintain and improve public rangeland conditions to provide forage on a sustained yield basis with an initial stocking level of 2,192 AUMs.
- f. Improve range/ecological condition 1/ from fair to good on 1,784 acres and good to excellent on 349 acres.

1/ The range/ecological conditions in this document are forage condition that will be replaced with ecological status condition as information becomes available. The objective will be redefined/quantified to obtain a particular ecological status when site potential and identified uses are combined to meet vegetative objectives.
- g. Remove all wild horses/burros from the Sonoma HUA (This HUA includes the Rock Creek allotment), unless a cooperative agreement with the affected private landowner is obtained. If a cooperative agreement is made, then wild horses will be protected and retained.
- h. The Sonoma Range Herd Use Area boundary will be retained for administrative purposes.

- i. Improve and maintain the overall stream habitat condition on Rock Creek from % of optimum to 60% or better. (WL-1.3)
 - 1) Streambank cover to 60% or above.
 - 2) Streambank stability to 60% or above.
 - 3) Maximum summer water temperature below 70°F.
 - 4) Sedimentation below 10%.

VIII. Melody

- 1. Short Term
 - a. Maintain an acceptable allowable use level on the following key forage species with the allotment:

<u>Plant</u>	<u>Scientific Name</u>	<u>Common Name</u>	<u>Allowable Use</u>
AGCR	Agropyron cristatum	Crested Wheatgrass	50%

- 2. Long Term
 - a. Protect sage grouse strutting grounds and nesting habitat and improve brooding habitat by: (WL-1.11)
 - 1) Following NDOW's guidelines for Vegetal Control Programs in Sage Grouse Habitat in Nevada.
 - 2) Maintain sagebrush canopy at 30% in sage grouse nesting areas where sagebrush does not exceed three (3) feet in height.
 - b. Manage, maintain and improve public rangeland conditions and habitat to provide forage on a sustained yield basis with an initial stocking level of 1,020 AUMs.

IX. Harmony

- 1. Short Term
 - a. Total utilization of key plant species in 9 acres of wetland riparian habitat shall not exceed 50% unless approved by an approved activity plan. (WL-1.10)
 - b. Utilization of key plant species on upland rangeland/habitat shall not exceed 50% except where adjusted by an approved activity plan. (WL-1.7, WL-1.9, RM 1)
- 2. Long Term
 - a. Improve or maintain the condition of 9 acres of wetland riparian habitat type to good or higher. (WL-1.10)

- b. Protect sage grouse strutting grounds, nesting and wintering habitat and improve brooding habitat by: (WL-1.11)
 - 1) Following NDOW's guidelines for Vegetal Control Programs in Sage Grouse Habitat in Nevada.
 - 2) Maintain sagebrush canopy at 30% in sage grouse nesting and wintering areas where sagebrush does not exceed three (3) feet in height.
- c. Maintain or improve 10 acres of aspen woodland habitat type to good status or equivalent. (WL-1.9)
- d. Manage, maintain or improve public rangeland habitat condition to provide forage on a sustained yield basis with an initial forage demand for big game of 95 AUMs for mule deer and 7 AUMs for bighorn sheep by:
 - 1) Improving 2,611 acres of mule deer habitat as follows:
 - a) From fair to good: Sonoma Range DS-5 and DW-1.
 - 2) Improving 1,000 acres of potential bighorn sheep habitat (Sonoma Range BS-3 and BW-2) 75% of optimum.
- e. Manage, maintain and improve public rangeland conditions to provide forage on a sustained yield basis with an initial stocking level of 348 AUMs.
- f. Improve range/ecological condition from poor to fair on 2,313 acres and from fair to good on 748 acres and good to excellent on 3,402 acres.
- g. Remove all wild horses/burros from the Sonoma HUA (this HUA includes the Harmony Creek allotment).
- h. The Sonoma Range Herd Use Area boundary will be retained for administrative purposes.

X. Goldbanks

1. Short Term

- a. Total utilization of key plant species in 40 acres of wetland riparian habitat shall not exceed 50% except where adjusted by an approved activity plan. (WL-1.10)
- b. Utilization of key plant species in upland habitats shall not exceed 50% except where adjusted by an approved activity plan. (RM-1, W1-1.7, WL-1.9)

2. Long Term

- a. Improve or maintain the condition of 40 acres of wetland riparian habitat type to good condition or higher. (WL-1.10)
- b. Protect sage grouse strutting grounds and nesting wintering habitat and improve brooding habitat by: (WL-1.11)
 - 1) Following NDOW's guidelines for Vegetal Control Programs in Sage grouse Habitat in Nevada.
 - 2) Maintain sagebrush canopy at 30% in sage grouse nesting areas where sagebrush does not exceed three (3) feet in height.
- c. Manage, maintain or improve 5 acres of aspen woodland habitat type to good condition. (WL-1.9)
- d. Manage, maintain or improve public rangeland habitat condition to provide forage on a sustained yield basis with an initial forage demand for big game of 92 AUMs for mule deer, and 18 AUMs for bighorn sheep by:
 - 1) Improving 36,692 acres of mule deer habitat as follows:
 - a) From fair to good: Humboldt Range DY-2 and DS-2; Humboldt River Valley DY-1; West Humboldt Range DY-1.
 - b) From poor to fair; Trinity Range DY-8
 - 2) Improving 10,539 acres of potential bighorn sheep habitat (Tobin Range) to 90% of optimum.
- e. Manage, maintain and improve public rangeland conditions to provide forage on a sustained yield basis with an initial stocking level of 2,051 AUMs.
- f. Improve range/ecological condition from fair to good on 4,100 acres and good to excellent on 112 acres.
- g. Remove all wild horses/burros from the East Range HUA. (This HUA includes the Goldbanks allotment), unless a cooperative agreement with the affected private landowner is obtained.
- h. The East Range Herd Use Area boundary will be retained for administrative purposes.

XI. Coyote

1. Short Term

- a. Total utilization of key plant species in 188 acres of wetland riparian habitat shall not exceed 50% unless adjusted by an approved activity plan. (WL-1.10)
- b. Utilization of key plant species in upland habitats shall not exceed 50% except where adjusted by an approved activity plan. (WL-1.7, WL-1.9 & RM 1)

2. Long Term

- a. Improve 188 acres of wetland habitat type from fair to good or higher condition unless adjusted by an approved activity plan. (WL-1.10)
- b. Protect sage grouse strutting and brooding habitat and improve nesting and wintering habitat by: (WL-1.11)
 - 1) Following NDOW's guidelines for Vegetal Control Programs in Sage Grouse Habitat in Nevada.
 - 2) Maintain sagebrush canopy at 30% in sage grouse nesting areas where sagebrush does not exceed three (3) feet in height.
- c. Manage, maintain and improve public rangeland habitat condition to provide forage on a sustained yield basis, with an initial forage demand for big game of 35 AUMs for mule deer, 411 AUMs for pronghorn and 7 AUMs for bighorn sheep by:
 - 1) Improving 1,682 acres of mule deer habitat in Buffalo Reservoir DW-2 from fair to good condition.
 - 2) Maintaining 7,071 acres of mule deer habitat in Buffalo Hills DS-2 in good condition.
 - 3) Improving 16,112 acres of pronghorn habitat in Buffalo Hills AS-3 from fair to good condition.
 - 4) Maintain 8,266 acres of pronghorn habitat in Buffalo Hills AW-3 at good condition.
 - 5) Maintaining 2,101 acres of California bighorn sheep habitat at 65% of optimum.
- d. Manage, maintain and improve public rangeland conditions to provide forage on a sustained yield basis with an initial stocking level of 3,051 AUMs.

- e. Improve range/ecological condition 1/ from poor to fair on 7,539 acres and from fair to good on 16,107 acres and good to excellent on 10,281 acres.

1/ The range/ecological conditions in this document are forage condition that will be replaced with ecological status condition as information becomes available. The objective will be redefined/quantifies to obtain a particular ecological status when site potential and identified uses are combined to meet vegetative objectives.

XII Rye Patch

1. Short Term

- a. Utilization of key plant species in wetland riparian habitat shall not exceed 50% except where adjusted by an approved activity plan. (RM 1.7, WL-1.10)
- b. Total utilization of key plant species in 32 acres of wetland riparian habitat shall not exceed 50%. (WL-1.10)
- c. Utilization of key plant species on upland habitats shall not exceed 50% except where adjusted by an approved activity plan. (RM 1)

2. Long Term

- a. Manage, maintain and improve public rangeland conditions to provide forage on a sustained yield basis with an initial stocking level of 1,981 AUMs. (RM 1)
- b. Improve range/ecological condition from poor to fair on 13,241 acres and from fair to good on 13,241 acres and good to excellent on 13,641 acres.

[1] The range/ecological conditions in this document are forage condition that will be replaced with ecological status condition as information becomes available. The objective will be redefined/quantified to obtain a particular ecological status when site potential and identified uses are combined to meet vegetative objectives.

- c. Improve or maintain the condition of 32 acres of wetland riparian habitat type to good or higher. (WL-1.10)
- d. Protect sage grouse strutting grounds and nesting habitat and improve brooding habitat by: (WL-1.11)
 - 1) Following NDOW;s guidelines for Vegetal Control Programs in Sage Grouse Habitat in Nevada.

- 2) Maintain sagebrush canopy at 30% in sage grouse nesting and wintering areas where sagebrush does not exceed three (3) feet in height.
- e. Maintain or improve 7 acres of aspen woodland habitat type to good status or equivalent. (WL-1.9)
- f. Manage, maintain or improve public rangeland habitat condition to provide forage on a sustained yield basis with an initial forage demand for big game of 66 AUMs for mule deer and 24 AUMs for bighorn sheep by:
 - 1) Improving 12,920 acres of mule deer habitat as follows:
 - a) From fair to good: Humboldt River Valley DY-1; Humboldt Range DY-2 and DS-2.
 - 2) Improving 10,000 acres of potential bighorn sheep habitat (Humboldt Range BS-1 and BW-1) to 90% of optimum.

XIII Leadville

1. Short Term

- a. Utilization of key plant species in 424 acres of wetland riparian habitat shall not exceed 50%. (WL-1.10)
- b. Utilization of key plant species 2/ in upland habitats shall not exceed 50% except where adjusted by an approved activity plan. (WL-1.7 & WL-1.9)

2/ Key forage species serve as an indicator of the degree of use of associated species; and because of their importance, be considered in a management program.

2. Long Term

- a. Improve to and maintain 424 acres of riparian and meadow habitat types in good condition. 1/ (WL-1.10)
- b. Protect sage grouse strutting grounds and nesting habitat and improve brooding habitat by:
 - 1) Following NDOW's guidelines for Vegetal Control Programs in Sage Grouse Habitat in Nevada.
 - 2) Maintain sagebrush canopy at 30% in sage grouse nesting, brooding and wintering areas where sagebrush does not exceed three (3) feet in height.

- c. Improve to or maintain 72 acres of mtn. mahogany thicket and 70 acres of aspen woodland habitat in good condition. (WL-1.9)
- d. Manage, maintain and improve public rangeland habitat condition to provide forage on a sustained yield basis, with an initial forage demand for big game of 179 AUMs for mule deer, 67 AUMs for pronghorn and 176 AUMs for bighorn sheep by:
 - 1) Maintaining 21,391 acres of mule deer habitat in Hog Ranch Mtn. DS-6 and E. Granites DW-6 in good condition.
 - 2) Improving 898 acres of pronghorn habitat in Swingle AW-6 from fair to good condition.
 - 3) Improving 18,930 acres of potential bighorn habitat in Division Peak BY-5 and Buffalo/Granites BY-2 from 70% and 65% respectively to 90% of optimum.
- e. Manage, maintain and improve rangeland conditions to provide forage on a sustained yield basis with an initial stocking level of 2,567 AUMs.
- f. Improve range/ecological condition 1/ from poor to fair on 9,823 acres and from fair to good on 22,920 acres and good to excellent on 21,829 acres.
- g. Manage, maintain and improve public rangeland conditions to provide an initial level of 2,976 AUMs of forage on a sustained yield basis for 248 (AMLs) 1/ wild horses in the Calico Mountains Herd Use Area.
- h. Maintain and improve the free-roaming behavior of wild horses and burros by protecting and enhancing their home ranges.
- i. Maintain/improve wild horse/burro habitat by assuring free access to water.

1/ The condition objective will be redefined/quantified to obtain a particular ecological status when site potential and identified uses are combined to meet vegetative objectives.

VX Coal-Canyon-Poker

1. Short Term

- a. Utilization of key streambank riparian plant species shall not exceed 30% in Rocky Canyon Creek except where adjusted by an approved activity plan. (WLS-1.3)
- b. Total utilization of key plant species in 69 acres of wetland riparian habitat shall not exceed 50% except where adjusted by an approved activity plan. (WL-1.10)
- c. Utilization of key plant species in upland/rangeland habitats shall not exceed 50% except where adjusted by an approved activity plan. (RM-1, WL-1.7, WL-1.9)

2. Long Term

- a. Manage, maintain and improve rangeland conditions on a sustained yield basis with an initial stocking level of 3,144 AUMs. (RM-.1)
- b. Improve range/ecological condition from poor to fair on 90,456 acres and from fair to good on 1,945 acres and good to excellent on 3,891 acres.
- c. Improve and maintain the overall stream from 53% of optimum on Rocky Canyon Creek to 60% or better. (4 miles) (WLA-1.3)
- d. Improve or maintain the condition of 69 acres of wetland riparian habitat type to good condition or higher. (WL-1.10)
- e. Improve and maintain 48 acres of riparian habitat at good condition from fair condition. (WLA-1.3 & WL-1.9)
- f. Protect sage grouse strutting grounds and nesting wintering habitat and improve brooding habitat by: (WL-1.11)
 - 1) Following NDOW's guidelines for Vegetal Control Programs in Sage Grouse Habitat in Nevada.
 - a) Improve or maintain streambank cover to 60% or above.
 - b) Improve or maintain streambank stability to 60% or above.
 - c) Maintain summer water temperature to below 70°F.

- 2) Maintain sagebrush canopy at 30% in sage grouse nesting areas where sagebrush does not exceed three (3) feet in height.
- g. Manage, maintain or improve 5 acres of aspen woodland type to good condition. (WL-1.9)
 - h. Manage, maintain or improve public rangeland habitat condition to provide forage on a sustained yield basis with an initial forage demand for big game of 97 AUMs for mule deer, and 31 AUMs for bighorn sheep by:
 - 1) Improving 23,832 acres of mule deer habitat as follows:
 - a) From fair to good: Humboldt Range DY-2 and DS-2; Humboldt River Valley DY-1; West Humboldt Range DY-1.
 - b) From poor to fair: Trinity Range DY-8.
 - 2) Improving 19,000 acres of potential bighorn sheep habitat (Humboldt Range BS-1 & BW-1 and West Humboldt Range BY-1) to 90% of optimum.
 - i. Improve or maintain the water quality of Rocky Canyon Creek to the state criteria for the following beneficial uses: livestock drinking water, cold water aquatic life, wildlife propagation and wading.

Table II
Progress of Program Implementation Sonoma-Gerlach Resource Area

Kind of Plan	LIVESTOCK				WILDLIFE			WILD HORSES AND BURROS				RANGE IMPROVEMENT PROJECTS					
	Allotment/ Operator	Sel. Mngt Cat.	Initial Stocking Level 1/ AUMs	Management Objectives 1/ AUMs	EXISTING USE AUMs			Management Objectives 1/ AUMs	Existing Use (AUMs) July 1, 1991	Management Objectives 1/ AUMs	Identified Monitoring Plan Components	Completed Monitoring Actions	Planned 2/		Completed		Program Implementation Progress
					Deer 9/	Antelope 24	Bighorn Sheep 0						Units	Type	Units	Type	
CRMP AMP HMAP	Blue Wing/ C-Punch Cord., Wesley Cook	I	24,329 21,460 2,869					13,776 H (1,148) 1,428 (119) B			1. Trend 2. Actual use 3. Climate 4. Range Utilization 5. Order 3 soil surveys 6. Ecological Status Inventory 7. Use Patterns	Key Key management areas completed. 1. Order 3 soil surveys. 2. Ecological Status. 3. Use Pattern for total allotment (two grazing cycle) 4. Two utilization transects. 5. Habitat evaluation completed in 3 wildlife use areas. 6. Key areas established. Baseline studies initiated. 7. Trend & utilization established. 8. Actual use (annual). 9. Horse census	31 mi. fence 12 mi. elec. fence 4 each cattle- guard soring 2 each pipeline 13 mi. well 3 each trough 18 ea. chem. control 10,240 acres 15 ea. chukar guzzlers 50 each guzzlers 5 ea. prong- (FY92) horn guzzlers	59 mi. fence 0 0 7 cattle- guard 0 0 0 0 50 chukar guzzlers (FY85)			Monitoring plan completed and decision to monitor issued as per allotment management plan and a CRMP recommendation. Completed AMP and initiate deferred rotation grazing system within the CRMP area. Gathered 1,432 wild horses/burros to approach AMLs in 1985. HMAP completed (FY87). 169 active AUMs increased for Wes Cook from Rodeo Creek allotment (1968) due to area use boundary change. CRMP completed (FY86). 999/24 head of horses and burros removed to approach AMLs from Lava Beds, Seven Troughs, Selenite Range and Kanma Mts. in November/December 1987. Agreement signed 11/30/88. Amend CRMP to change grazing system to a deferred rotation system. Voluntary agreement to reduce 300 cattle for the 1989 season. Proposed reevaluation period 11/30/91-11/30/93.

Table II
Progress of Program Implementation Sonoma-Gerlach Resource Area

Kind of Plan	Allotment/ Operator	Sel. Mngt Cat.	LIVESTOCK		WILDLIFE		WILD HORSES AND BURROS			RANGE IMPROVEMENT PROJECTS				Program Implementation Progress		
			Initial Stocking Level 1/ AUMs	Management Objectives 1/ 2/	Deer 9/ Antelope	Bighorn Sheep	Management Objectives 1/ 2/	Existing Use (AUMs) July 1, 1991	Management Objectives 1/ 2/	Identified Monitoring Plan Components	Completed Monitoring Actions	Planned 2/			Completed	
												Units	Type		Units	Type
CRMP ANP HMAP	Seven Troughs/ C-Punch Corp. Dufurrena Sheep Co. John Espil DeLong Ranches, Inc. Tim DeLong	I	9,523 4,404 746 3,627 746		611	1	0	3,096 H (258) 1,344 (112) B		1. Trend 2. Actual use 3. Climate 4. Utilization 5. Order 3 soil surveys 6. Ecological Status Inven- tory 7. Use patterns	1. Key man- agement area completed. 2. Trend & utilization established. 3. One utili- zation transects. 4. Order 3 soil surveys. 5. Ecological Status. 6. Use Pat- tern for total allot- ment (one grazing cy- cle) 7. Actual Use (annual). 8. Horse cen- sus.	35 mi. fence 12 mi elec. fence 2 each spring 3 each well 5 mi. pipeline 8 each cattle- guards 10 ea. troughs 9,600 chem. acres control 5 ea chukar guzzlers each	28 mi. fence 0 0 0 0 0 0 0 5 chukar guzzlers	Completed AMP and initiated deferred rotation grazing system within the CRMP area. Gathered 891 wild horses and burros to approach AMLs in 1985. CRMP completed (FY86). 999/24 head of horses and burros removed to approach AMLs from Lava Beds, Seven Troughs, Selenite Range and Kanna Mts. in November/December 1987. Agreement signed 11/30/88. Change to a deferred rotation system. One new water developed fence riparian area at Jenny Creek (private ground). Proposed reevaluation period 11/30/91 to 11/30/93.		

Table II
Progress of Program Implementation Sonoma-Gerlach Resource Area

Kind of Plan	Allotment/ Operator	Sel. Mngt Cat.	LIVESTOCK		WILDLIFE			WILD HORSES AND BURROS		RANGE IMPROVEMENT PROJECTS				Program Implementation Progress		
			Initial Stocking Level 1/ AUMs	Management Objectives 1/ 2/	Deer g/	Antelope Bighorn Sheep	Management Objectives 1/ 2/	Existing Use (AUMs) July 1, 1991	Management Objectives 1/ 2/	Identified Monitoring Plan Components	Completed Monitoring Actions	Planned 2/			Completed	
												Units	Type		Units	Type
ANP	Sonoma/ Piquet Ranches, Inc.	M	1,485		52	0	0	0		1. Trend 2. Actual Use 3. Climate 4. Utilization 5. Order 3 soil surveys 6. Ecological Status Inventory 7. Use Patterns	1. Key management areas completed. 2. Trend & Utilization established. 3. One utilization transects. 4. Order 3 soil surveys. 5. Ecological Status. 6. Use Pattern for total allotment (one grazing cycle). 7. Actual use (annual). 8. Horse census. Monitoring current & ongoing.	35 mi 12 mi. 2 each 2 each 3 each 5 mi 8 each 10 ea 9,600 5 each	fence elec. spring well pipeline cattle- guards troughs chen. chukar	28 mi 0 0 0 0 0 0 0 5	fence fence 0 0 0 0 cattle- guards 0 0 chukar guzzlers	Gathered 50 wild horses to attain AWLin 1986. Sonoma Creek HWP completed during FY85. Signed agreement 12/15/88. Agree to fence riparian area on Sonoma Creek. Reduce 28 AUM's due to land outside of the allotment boundary. Protection of Sonoma Creek by fencing 1990. Proposed reevaluation 12/15/90.

Table II
Progress of Program Implementation Sonoma-Gerlach Resource Area

Kind of Plan	Allotment/ Operator	Sel. Mngt Cat.	LIVESTOCK		WILDLIFE		WILD HORSES AND BURROS			RANGE IMPROVEMENT PROJECTS				Program Implenetation Progress			
			Initial Stocking Level 1/ AUMs	Management Objectives 1/	EXISTING USE AUMs Deer Antelope Bighorn 9/ Sheep		Management Objectives 1/	Existing Use (AUMs)	Management Objectives 1/	Identified Monitoring Plan Components	Completed Monitoring Actions	Units	Type		Units	Type	
ANP	Rock Creek/ Piquet Ranches, Inc.	M	2,192			51	0	0	0	Remove all wild horses from checkerboard land in accor- dance with MFP III decision. No horses or burros.	1. Trend 2. Actual Use 3. Climate 4. Utilization 5. Use Pattern 6. Order 3 soil survey 7. Ecological Status Inven- tory	1. Trend 2. Order 3 soil surveys 3. Horse census 4. Stream Survey Monitoring current & ongoing.	1,284 acres	plow & seed	0	0	Gathered 101 wild horses to attain AML in 1986. Agreement signed 12/15/88. Agreed to fence and protect riparian areas as they are identified through monitoring. Proposed reevaluation 12/15/95

Table II
Progress of Program Implementation Sonoma-Gerlach Resource Area

Kind of Plan	LIVESTOCK			WILDLIFE			WILD HORSES AND BURROS			RANGE IMPROVEMENT PROJECTS				Program Implementation Progress				
	Allotment/ Operator	Se1. Mngt Cat.	Initial Stocking Level 1/ AUMs	Management Objectives 1/ 2/	EXISTING USE AUMs			Existing Use (AUMs)	Management Objectives 1/ 2/	Identified Monitoring Plan Components	Completed Monitoring Actions	Planned 2/			Completed			
					Deer 9/	Antelope 10/	Bighorn Sheep					Units	Type		Units	Type		
CRMP ANP	Goldbanks/ Agri Beef, M.J. & J.F. Burke	M	2,051 169 1,891		152	0	0	0	No horses or burros.	1. Trend 2. Actual Use 3. Climate 4. Utilization 5. Use Pattern 6. Order 3 soil survey 7. Ecological Status Inven- tory	Key manage- ment area selection. Allotment Monitoring Plan com- pleted. 1. Trend (4) 2. Utiliza- tion (11)R 3. Trend (8)R 4. Order 3 soil surveys 5. Use Pat- tern 6. Ecological Status Inventory. Monitoring current 1989.	6,539 acres	plow & seed	0	0	0	0	AMP updated to current Bureau standards Monitoring Plan completed. CRMP Plan completed. All horses removed in 1985 to attain AML. Agreement signed. Proposed reevaluation 5/10/88.

Table II
Progress of Program Implementation Sonoma-Gerlach Resource Area

Kind of Plan	Allotment/ Operator	Sel. Mngt Cat.	LIVESTOCK		WILDLIFE			WILD HORSES AND BURROS			RANGE IMPROVEMENT PROJECTS				Program Implementation Progress					
			Initial Stocking Level 1/ AUMs	Management Objectives 1/	EXISTING USE AUMs			Existing Use (AUMs)	Management Objectives 1/	Identified Monitoring Plan Components	Completed Monitoring Actions	Planned 2/		Completed						
					Deer 9/	Antelope	Bighorn Sheep					Units	Type	Units		Type				
General Land Use Plan	Soldier Meadows/ R.C. Roberts	I	16,070		1076	220	26	16,644 (1,387) H		1. Trend 2. Actual Use 3. Climate 4. Utilization 5. Use Pattern 6. Order 3 soil survey 7. Ecological Status Inventory	1. Key management area selection and range study imple- mentation completed on some site. 2. One meadow study and one mahogany study imple- mented. 3. One wild life use area evaluated. 4. Utiliza- tion has been recorded on portions of the allotment. 5. Use Pattern Mapping has been recorded on the allotment. 6. Stream Survey 7. Horses census.	46 mi.	fence	0	0	4 each	cattle- guard	4 each	cattle- guard	Gathered 678 wild horses to approach AML in 1986. 307 acres surrounding the hot springs near Soldier Meadows Ranch was designated as an ACEC during FY84. HMP on desert dace completed during FY84. Completed stream HMPs for Sumner Camp Creek and Mahogany Creek. January 1988 there were 267 head of horses removed to approach AMLs from Warm Springs Canyon and 237 head of horses removed from the Black Rock Range-West. Agreement signed 3/13/89. Voluntary 25% reduction to 12,053 AUMs. Change grazing system to increase winter use. Gathered 62 horses from Calico Mt. HMA 1988. Proposed reevaluation period 3/13/92-3/1/94.
			Volun- tary nonuse 25% 12,053							Monitoring current & ongoing.										

Table II
Progress of Program Implementation Sonoma-Geriach Resource Area

Kind of Plan	LIVESTOCK				WILDLIFE			WILD HORSES AND BURROS				RANGE IMPROVEMENT PROJECTS				Program Implementation Progress	
	Allotment/ Operator	Sel. Mngt Cat.	Initial Stocking Level 1/ AUMs	Management Objectives 1/ 2/	EXISTING USE AUMs			Management Objectives 1/ 2/	Existing Use (AUMs)	Management Objectives 1/ 2/	Identified Monitoring Plan Components	Completed Monitoring Actions	Planned 2/		Completed		
					Deer 9/	Antelope 10/	Bighorn Sheep						Units	Type	Units		Type
General Land Use Plan	Dolly Hayden/ No Permittee	I	0		112	0	0	8	Remove all wild horses from checkerboard land in accor- dance with WFP III decision. No horses or burros.	1. Trend 2. Actual Use 3. Climate 4. Utilization 5. Use Pattern 6. Order 3 soil survey 7. Ecological Status Inven- tory	1. Order 3 soil surveys 2. Ecological Inventory 3. Horse census Monitoring current.	2,102 acres 960 acres 6 mi.	reseed plow & seed fence	0 0 0 0	0 0 0 0	Gathered 90 wild horses to attain AML in 1986. 10% permanent cancellation from regulation violations. 10% temporary cancellation from regulation violations. Agreement to rest for 3 years starting in 1987 with a 50% reduction on initial stock rate (1987). Proposed reevaluation 1993. Canceled 4,457 AUMs 1990.	

Table II
Progress of Program Implementation Sonoma-Gerlach Resource Area

Kind of Plan	Allotment/ Operator	Sel. Mngt Cat.	LIVESTOCK		WILDLIFE			WILD HORSES AND BURROS			RANGE IMPROVEMENT PROJECTS				Program Implenation Progress	
			Initial Stocking Level 1/ AUMs	Management Objectives 1/	EXISTING USE AUMs Deer Antelope Bighorn 9/ Sheep			Management Objectives 1/	Existing Use (AUMs)	Management Objectives 1/	Identified Monitoring Plan Components	Completed Monitoring Actions	Units	Type		Units
ANP	Melody/ John Aitken	M	1,020		0	0	0		0	No horses or burros.	1. Trend 2. Actual Use 3. Climate 4. Utilization 5. Order 3 soil survey 6. Ecological Status Inven- tory 7. Use Patterns					Agreement signed 11/17/88. 39% reduction in livestock numbers for 3 years. Proposed reevaluation 11/7/93.

Table II
Progress of Program Implementation Sonoma-Geitch Resource Area

Kind of Plan	LIVESTOCK				WILDLIFE			WILD HORSES AND BURROS				RANGE IMPROVEMENT PROJECTS				Program Implementation Progress
	Allotment/ Operator	Sel. Mngt Cat.	Initial Stocking Level 1/ AUMs	Management Objectives 1/	EXISTING USE AUMs			Existing Use (AUMs)	Management Objectives 1/	Identified Monitoring Plan Components	Completed Monitoring Actions	Planned 2/		Completed		
					Deer 9/	Antelope	Bighorn Sheep					Units	Type	Units	Type	
Grazing System	Harmony/ Pedroli Estate John Aitken	M	348 195 189		36	0	0	0	Remove all wild horses from checkerboard land in accor- dance with WFP III decision.	1. Actual Use 2. Climate 3. Utilization 4. Order 3 soil survey 5. Ecological Status Inven- tory 6. Use Patterns	1. Order 3 soil surveys 2. Horse census	3,114 acres	plow & seed	0	0	Gathered 70 wild horses to attain ANL in 1986. Agreement signed 11/17/88. Continue to graze according to grazing system. Proposed reevaluation 11/7/93.

Table II
Progress of Program Implementation Sonoma-Gerlach Resource Area

Kind of Plan	LIVESTOCK				WILDLIFE			WILD HORSES AND BURROS			RANGE IMPROVEMENT PROJECTS				Program Implementation Progress	
	Allotment/ Operator	Sel. Mngt Cat.	Initial Stocking Level 1/ AUMs	Management Objectives 1/ 9/	EXISTING USE AUMs			Existing Use (AUMs)	Management Objectives 1/ 9/	Identified Monitoring Plan Components	Completed Monitoring Actions	Planned 2/		Completed		
					Deer	Antelope	Bighorn Sheep					Units	Type	Units		Type
AMP	Coyote/ Wes Cook William Weaver, Jr.	M	3,051 2,734 317		50	262	0	0	No horses or burros.	1. Trend 2. Actual use 3. Climate 4. Utilization 5. Order 3 soil surveys 6. Ecological Status Inven- tory 7. Use Patterns	1. Prelimi- nary selec- tion of key management areas com- pleted. 2. Prelimi- nary range study imple- mentation completed. 3. Horse census 4. Order 3 soil surveys. Monitoring current 1989.	4,204 acres	sage- brush control & seeded	0	0	CRMP dropped in draft. Agreement signed 11/8/89. Modify grazing system. Reduction in livestock use over a 4 year period. From 49% reduction to full preference over a 5 year period. Proposed reevaluation 12/8/93.

Table II
Progress of Program Implementation Sonoma-Gerlach Resource Area

Kind of Plan	LIVESTOCK				WILDLIFE			WILD HORSES AND BURROS			RANGE IMPROVEMENT PROJECTS				Program Implementation Progress	
	Allotment/ Operator	Sel. Mngt Cat.	Initial Stocking Level 1/ AUMs	Management Objectives 1/ 2/	EXISTING USE AUMs			Existing Use (AUMs) July 1, 1991	Management Objectives 1/ 2/	Identified Monitoring Plan Components	Completed Monitoring Actions	Planned 2/		Completed		
					Deer 3/	Antelope 4/	Bighorn 5/					Units	Type	Units		Type
AMP	Rye Patch/ RJB Development Co. Salvador Olagary	M	1,981 1,816 165		50	262	0	456 (38)	Remove all wild horses from checkerboard land in accor- dance with MFP III decision.	1. Trend 2. Actual use 3. Utilization 4. Order 3 soils surveys 5. Ecological Status Inven- tory 6. Use patterns	1. Order 3 soil surveys 2. Ecological Status (Partial) 3. Horse census Selection of key manage- ment areas completed on some sites. Monitoring current & ongoing.					Gathered 90 wild horses in 1985 to approach AML. 30 head of horses removed December 1987 to attain AML. Agreement signed 2/15/89. Continue grazing system. Eliminate private lands in subdivision. Proposed reevaluation period 2/15/92 - 2/15/94.

Table II
Progress of Program Implementation Sonoma-Gerlach Resource Area

Kind of Plan	LIVESTOCK				WILDLIFE			WILD HORSES AND BURROS			RANGE IMPROVEMENT PROJECTS				Program Implementation Progress	
	Allotment/ Operator	Sel. Mngt Cat.	Initial Stocking Level 1/ AUMs	Management Objectives 1/ 2/	EXISTING USE AUMs			Existing Use (AUMs) July 1, 1991	Management Objectives 1/ 2/	Identified Monitoring Plan Components	Completed Monitoring Actions	Planned 2/		Completed		
					Deer 9/	Antelope 10/	Bighorn Sheep					Units	Type	Units		Type
AMP	Leadville/ William Weaver, Jr.	M	2,567		222	43	0	4,572 (381)		1. Trend 2. Actual use 3. Climate 4. Utilization 5. Order 3 soil surveys 6. Ecological Status Inven- tory 7. Use patterns	1. Selection of key man- agement areas completed. 2. Use Pat- tern com- pleted twice for allot- ment. 3. Utiliza- tion of key areas done twice. 4. Order 3 soil surveys. 5. Horse census Monitoring current 1989.	6,054 acres	sage- brush control & seed	0	0	Gathered 120 wild horses in 1985 to approach AML. Agreement signed 11/28/88. Reduce livestock 100% in first year. Increase to full preference over 5 years, with monitoring data. Gathered 200 horses from Calico Mt. HMA 1988. Proposed reevaluation 12/6/93.

Table II
Progress of Program Implementation Sonoma-Geriach Resource Area

Kind of Plan	LIVESTOCK			WILDLIFE			WILD HORSES AND BURROS			RANGE IMPROVEMENT PROJECTS				Program Implementation Progress		
	Allotment/ Operator	Sel. Mngt Cat.	Initial Stocking Level 1/ AUMs	EXISTING USE AUMs			Management Objectives 1/ AUMs	Existing Use (AUMs) July 1, 1991	Management Objectives 1/ AUMs	Identified Monitoring Plan Components	Planned 2/		Completed			
				Management Objectives 1/ AUMs	Deer 9/	Antelope 9/					Bighorn Sheep	Units	Type		Units	Type
AMP	Coal Canyon- M Poker/ Abigah Duncan, Bingo Wesner		3,144 492 2,588 64		72	0	0	108 (9)		Remove all wild horses from checkerboard land in accor- dance with MFP III decision.	1. Actual use 2. Climate 3. Utilization 4. Order 3 soil surveys 5. Ecological Status Inven- tory 6. Use Patterns Monitoring current 1989.	1. Order 3 soil surveys 2. Ecological Status (Partial)	3. Horse census	1 each well 2 each trough 4,865 acres plow & seed	0 0 0 0	Gathered 410 wild horses in 1985 to approach AML. Agreement signed 10/11/88. Continue present grazing system. Continue monitoring. Proposed reevaluation period 10/11/91 - 10/11/93.

Table II
Progress of Program Implementation Sonoma-Gerlach Resource Area

Kind of Plan	Allotment/ Operator	Sel. Mngt Cat.	LIVESTOCK		WILDLIFE		WILD HORSES AND BURROS			RANGE IMPROVEMENT PROJECTS				Program Implementation Progress		
			Initial Stocking Level 1/ AUMs	Management Objectives 1/ 2/	EXISTING USE AUMs		Management Objectives 1/ 2/	Existing Use (AUMs) July 1, 1991	Management Objectives 1/ 2/	Identified Monitoring Plan Components	Completed Monitoring Actions	Planned 2/			Completed	
					Deer	Bighorn Sheep						Units	Type		Units	Type
AMP	South Buffalo Valley/ 3/ Administered by Battle Mountain District with their Buffalo Valley allotment	M	9,035	Manage, maintain and improve public rangeland conditions to provide forage on a sustained yield basis with an initial stocking level of 9,035. Maintain an acceptable allowable use level on key forage species 5/ that will provide a sustained yield. Improve range/ecological condition 4/ from poor to fair on 1,354 acres and from fair to good on 24,617 acres and from good to excellent on 497 acres. Administer as part of the Buffalo Valley allotment of the Battle Mountain District. Revise and update AMP as needed through Battle Mountain District.	626	0	46	Manage, maintain and improve public rangeland habitat condition to provide forage on a sustained yield basis, with an initial forage demand for big game of 381 AUMs for mule deer and 135 AUMs for bighorn sheep, by: a. Improving or maintaining mule deer habitats in Stillwater Range DY-3 and Tobin Range DY-4 and DS-4 to at least good condition. b. Improving bighorn sheep habitat in Tobin Range BY-2 to 90% of optimum. Protect sage grouse strutting and nesting habitats and improve brooding habitat. Wildlife habitat management objectives for vegetation utilization shall be as follows except where adjusted by an approved HMP, AMP, and HMAP. a. <u>Terrestrial</u> : Will not exceed levels established in the Sonoma-Gerlach EIS Table I-3 for key species. b. <u>Wetland Riparian</u> : shall not exceed 50% for key species. The HMP for the Stillwater Range WNA-T-16 was developed during FY86. Develop an HMP for WNA-T-8 for Tobin Range in cooperation with NVO60.	144 (12 horses)	Manage, maintain and improve public rangeland habitat condition to provide forage on a sustained yield basis with an initial level of 420 AUMs of forage on a sustained yield basis for 35 (AMLs) 6/ wild horses in the following Herd Use Areas: <u>HMA</u> Tobin Range North Stillwater <u>Current</u> : 6 6 <u>AML</u> : 19 16 <u># AUMs</u> : 228 192 Manage wild horse/burro habitat to improve range/ecological condition 4/ as listed under livestock objectives. Maintain and improve the free-roaming behavior of wild horses and burros by protecting and enhancing their home ranges. Maintain/improve wild horse/burro habitat by assuring free access to water.	1. Actual use 2. Climate 3. Utilization 4. Order 3 soil 5. Ecological 6. Use Patterns	1. Order 3 2. Ecological 3. Horse 4. Status 5. Inventory 6. No monitoring 7. Use Patterns	0	0	3 mi fence	HMP completed FY86. 90 livestock AUMs suspended due to fire (1985). 90 AUMs reinstated 1989.
											0	0	1-1/2 pipeline miles			
													1,300 seeded* ac.			
													3 mi. fence*			

Table II
Progress of Program Implementation Sonoma-Gerlach Resource Area

Kind of Plan	Allotment/ Operator	Sel. Mngt Cat.	LIVESTOCK		WILDLIFE			WILD HORSES AND BURROS		RANGE IMPROVEMENT PROJECTS				Program Implementation Progress	
			Initial Stocking Level 1/ AUMs	Management Objectives 1/ 9/	EXISTING USE AUMs		Existing Use (AUMs) July 1, 1991	Management Objectives 1/	Identified Monitoring Plan Components	Completed Monitoring Actions	Planned 2/		Completed		
					Deer	Antelope					Bighorn Sheep	Units	Type		Units
General Land Use Plan	Pleasant Valley/ Pleasant Valley Ranch Don Gee Gary Tackacs Robert Vesco	C	10,553 5,027 1,355 2,844 1,327	Manage, maintain and improve public rangeland conditions to provide forage on a sustained yield basis with an initial stocking level of 10,553 AUMs. Maintain an acceptable allowable use level on key forage species 5/ that will provide a sustained yield. Improve range/ecological condition 4/ from fair to good on 19,998 acres and from good to excellent on 1,047 acres.	582	0	134	204 (17 horses)	Remove all wild horses from checkerboard land in accordance with MFP III decision.	1. Order 3 soil surveys 2. Ecological Status Inventory 3. Use Patterns 4. Climate 5. Utilization 6. Actual use	1. Order 3 soil surveys 2. Ecological Status Inventory 3. Horse Census	0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0	Gathered 280 wild horses in 1986 to approach AML. Bighorn sheep reestablished (1984). 1 each corral No monitoring current

Table II
Progress of Program Implementation Sonoma-Gerlach Resource Area

Kind of Plan	Allotment/ Operator	Sel. Mngt Cat.	LIVESTOCK		WILDLIFE		WILD HORSES AND BURROS			RANGE IMPROVEMENT PROJECTS				Program Implementation Progress	
			Initial Stocking Level 1/ AUMs	Management Objectives 1/ 2/	EXISTING USE AUMs		Existing Use (AUMs) July 1, 1991	Management Objectives 1/ 2/	Identified Monitoring Plan Components	Completed Monitoring Actions	Planned 2/		Completed		
					Deer 9/	Antelope Bighorn Sheep					Units	Type	Units		Type
General Land Use Plan	Star Peak/ Thacker Properties Paul Knoop Salavador Olagaray	C	3,722 261 2,426 385	Manage, maintain and improve public rangeland conditions to provide forage on a sustained yield basis with an initial stocking level of 10,553 AUMs. Maintain an acceptable allowable use level on key forage species 5/ that will provide a sustained yield. Improve range/ecological condition 4/ from fair to good on 19,998 acres and from good to excellent on 1,047 acres. Consider increasing existing forage by artificial methods whenever appropriate and feasible.	713 0 0	Manage, maintain and improve public rangeland habitat condition to provide forage on a sustained yield basis, with an initial forage demand for big game of 434 AUMs for mule deer and 82 AUMs for bighorn sheep, by: a. Improving or maintaining mule deer habitats in Humboldt Range DY-2 and DS-2 and East Range DY-3 and DS-3 in at least good condition. Improve Star Creek and Coyote Creek from poor to fair condition. Wildlife habitat management objectives for vegetation utilization shall be as follows except where adjusted by an approved HMP, AMP and HMAP. a. <u>Terrestrial</u> : will not exceed levels established in the Sonoma-Gerlach EIS Table I-3 for key species. b. <u>Streambank Riparian</u> : shall not exceed 30% for key species. c. <u>Wetland Riparian</u> : shall not exceed 50% for key species. Develop HMP for Humboldt Range WHA-T-11 during FY93.	120 (10)	Remove all wild horses from checkerboard land in accordance with HFP III decision. No horses or burros	1. Actual use. 2. Climate 3. Utilization surveys 4. Order 3 soil 2. Horse surveys 5. Ecological Status Survey 6. Use Patterns	1. Order 3 soil 2. Horse Census 3. Stream Survey No monitoring current	26 mi. fence 2 mi. pipeline 3 each trough 2 each spr. dev. 6,773 acres plow & seed	0 0 0 0 0 0 0 0	Gathered 71 wild horses to attain AML in 1986. 263 livestock AUMs suspended due to fire (1985). 263 AUMs reinstated in 1989.		

Table II
Progress of Program Implementation Sonoma-Gerlach Resource Area

Kind of Plan	Allotment Operator	Seal. Mngt. Cat.	Initial Stocking Level ^{1/} AUMs	Management Objectives ^{1/}	LIVESTOCK			WILDLIFE			WILD HORSES AND BURROS			RANGE IMPROVEMENT PROJECTS				Program Implementation Progress
					EXISTING USE AUMs			Management Objectives ^{1/}			Existing Use (AUMs) July 1, 1991	Management Objectives ^{1/}	Identified Monitoring Plan Components	Planned ^{2/}		Completed		
					Deer	Antelope	Big Horn	Deer	Antelope	Big Horn				Units	Type	Units	Type	
General Land Use Plan	Majuba/Tim DeLong	C	252 252	Manage, maintain and improve public rangeland conditions to provide forage on a sustained yield basis with an initial stocking level of 1,100 AUMs. Maintain an acceptable allowable use level on key forage species ^{5/} that will provide a sustained yield. Improve range/ecological condition ^{6/} from poor to fair 2,817 acres and from poor to good on 2,214 acres and from good to excellent on 603 acres. Consider increasing existing forage by artificial methods whenever appropriate and feasible.	171	25	0	Manage, maintain and improve public rangeland habitat condition to provide forage on a sustained yield basis, with an initial forage demand (141) for big game of 57 AUMs for mule deer and 92 AUMs for pronghorn, by: a. Improving and maintaining mule deer in Majuba DY-7 habitat condition to at least good condition. b. Improving and maintaining pronghorn in Rye Patch AY-1 habitat to at least good condition. Wildlife habitat management objectives for vegetation utilization shall be as follows except where adjusted by an approved HMP, AMP, and HMAP. a. <u>Terrestrial</u> : will not exceed levels established in the Sonoma-Gerlach EIS Table 1-4 for key species.	1692	Remove all horses from checkerboard land in accordance with MFP III decision. No horses or burros.	1. Actual use 2. Climate 3. Utilization 4. Order 3 soil surveys 5. Ecological Status 6. Use patterns	1. Order 3 soil survey 2. Ecological Status (Partial) No monitoring Current	17 mi. fence 2 each cattle-guard 1 each well 2 each trough	0 0 0 0	0 0 0 0	Gathered 300 wild horses to approach AML in 1985. 263 wild horses and 2 burros removed November 1987 to attain AML. 1987 decision -25% permanent reduction of livestock privileges (248 AUMs).		

Table II
Progress of Program Implementation Sonoma-Gerlach Resource Area

Kind of Plan	Allotment/ Operator	Sel. Mngt Cat.	LIVESTOCK		WILDLIFE			WILD HORSES AND BURROS			RANGE IMPROVEMENT PROJECTS				Program Implementation Progress	
			Initial Stocking Level 1/ AUMs	Management Objectives 1/ AUMs	EXISTING USE AUMs			Existing Use (AUMs) July 1, 1991	Management Objectives 1/ AUMs	Identified Monitoring Plan Components	Completed Monitoring Actions	Planned 2/		Completed		
					Deer 9/	Antelope Sheep	Bighorn Sheep					Units	Type	Units		Type
General Land Use Plan	Pumpnickel C / Rodger Johnson Ida Geinsberg Piquet Ranches, Inc. Agri Beef		9,437 840 582 1,209	Manage, maintain and improve public rangeland conditions to provide forage on a sustained yield basis with an initial stocking level of 9,437 AUMs. Maintain an acceptable allowable use level on key forage species 5/ that will provide a sustained yield. Improve range/ecological condition 4/ from fair to good on 15,491 acres and from good to excellent on 950 acres.	141 0 0	0 0 0	Manage, maintain and improve public rangeland habitat condition to provide forage on a sustained yield basis, with an initial forage demand for big game of 222 AUMs for mule deer and 28 AUMs for bighorn sheep, by: a. Improving or maintaining mule deer habitats in Edna Mountain DT-5, Buffalo Mountain DY-6, Tobin Range DY-4 and DS-4 and Sonoma Range DS-5 and DW-1. Protect sage grouse strutting and nesting habitats and improve brooding habitat. Wildlife habitat management objectives for vegetation utilization shall be as follows except where adjusted by an approved HWP, ANP and HMAP. a. <u>Terrestrial</u> : will not exceed levels established in the Sonoma-Gerlach EIS Table 1-3 for key species. b. <u>Wetland Riparian</u> : shall not exceed 50% for key species. Develop the HWP for the Tobin Range WHA-T-8 in cooperation with NY060.	324 (27)		Remove all horses from checkerboard land in accordance with MFP III decision. No horses or burros.	1. Actual Use 2. Climate 3. Utilization 4. Order 3 soil surveys 5. Ecological Status 6. Use patterns	1. Order 3 soil surveys 2. Ecological Status (Partial) No monitoring current.	18 mi. fence 0 3 miles fence 500 ac.	0 0 seeded*	92 livestock AUMs suspended due to fire (1985). 92 AUMs reinstated 1989.	

Table II
Progress of Program Implementation Sonoma-Gerlach Resource Area

Kind of Plan	Allotment/ Operator	Sel. Mngt Cat.	LIVESTOCK			WILDLIFE			WILD HORSES AND BURROS			RANGE IMPROVEMENT PROJECTS				Program Implementation Progress	
			Initial Stocking Level 1/ AUMs	Management Objectives 1/	EXISTING USE AUMs			Management Objectives 1/	Existing Use (AUMs) July 1, 1991	Management Objectives 1/	Identified Monitoring Plan Components	Completed Monitoring Actions	Planned 2/		Completed		
					Deer	Antelope	Bighorn Sheep						Units	Type	Units		Type
General Land Use Plan	Desert Queen/ Safford and Safford R.C. Roberts	C	3,355 3,277 70	Manage, maintain and improve public rangeland conditions to provide forage on a sustained yield basis with an initial stocking level of 3,355 AUMs. Maintain an acceptable allowable use level on key forage species 5/ that will provide a sustained yield. Improve range/ecological condition 4/ from poor to fair to good on 14,349 acres and from good to excellent on 950 acres.	0	0	0	Protect habitat for <u>Oryctes nevadensis</u> , a plant recommended for Federal listing as threatened.	384 (32) B	Remove all wild horses from checkerboard land in accordance with MFP III decision.	1. Actual Use 2. Climate 3. Utilization 4. Order 3 soil surveys 5. Ecological Status Inventory 6. Use Patterns	1. One trend plot 2. Order 3 soil surveys 3. Horse Census No monitoring current.	11 mi. fence 6 each well 12 ea. trough	11 mi. fence 0 0	69 head of horses and 1 mule removed December 198 to attain AML. Change of season of use to winter use.		

Table II
Progress of Program Implementation Sonoma-Gerlach Resource Area

Kind of Plan	Allotment/ Operator	Sel. Mngt Cat.	LIVESTOCK		WILDLIFE			WILD HORSES AND BURROS			RANGE IMPROVEMENT PROJECTS				Program Implemetation Progress	
			Initial Stocking Level 1/ AUMs	Management Objectives 1/	EXISTING USE AUMs Deer Antelope Bighorn g/ Sheep		Management Objectives 1/	Existing Use (AUMs)	Management Objectives 1/	Identified Monitoring Plan Components	Completed Monitoring Actions	Units	Type	Units		Type
General Land Use Plan	Klondike/ Coyote Creek Ranch	C	2,205	Manage, maintain and improve public rangeland conditions to provide forage on a sustained yield basis with an initial stocking level of 2,205 AUMs. Maintain an acceptable allowable use level on key forage species 2/ that will provide a sustained yield. Improve range/ecological condition 4/ from poor to fair on 3,724 acres and from fair to good on 4,122 acres.	36	0	0	Manage, maintain and improve public rangeland condition to provide forage on a sustained yield basis, with an initial forage demand for big game of 57 AUMs for mule deer and 10 AUMs for bighorn sheep, by: a. Improving or maintaining the following mule deer habitat to at least good condition in East Range DY-3 and DS-3. Wildlife habitat management objectives for vegetation utilization shall be as follows except where adjusted by an approved HMP, AMP and HNAP. a. <u>Terrestrial</u> : will not exceed levels established in the Sonoma-Gerlach EIS Table 1-3 for key species. b. <u>Wetland Riparian</u> : shall not exceed 50% for key species. Develop an HMP for the East Range WHA-T-9.	0	Remove all wild horses from checkerboard land in accordance with WFP III decision. No horses or burros.	1. Actual Use 2. Climate 3. Utilization 4. Order 3 soil surveys 5. Ecological Status Inventory 6. Use Pattern	1. Order 3 soil surveys 2. Ecological (Partial) 3. Horse Census	9 mi. 1 each 1-1/2 miles 1 each	fence cattle- guard pipeline trough	0 0 0 0 0 0	Gathered 129 wild horses in 1986 to attain ANL.

Table II
Progress of Program Implementation Sonoma-Gerlach Resource Area

Kind of Plan	Allotment/ Operator	Sel. Mngt Cat.	LIVESTOCK		EXISTING USE AUMs			Management Objectives 1/ Deer 9/ Antelope Sheep	WILDLIFE		WILD HORSES AND BURROS		RANGE IMPROVEMENT PROJECTS				Program Implementation Progress
			Initial Stocking Level 1/ AUMs	Management Objectives 1/ Management Objectives 1/	Deer	Antelope	Bighorn		Sheep	Existing Use (AUMs)	Management Objectives 1/	Identified Monitoring Plan Components	Completed Monitoring Actions	Units	Type	Units	
General Land Use Plan	White Horse/C Humboldt Ranches, Inc.		1,970	Manage, maintain and improve public rangeland conditions to provide forage on a sustained yield basis with an initial stocking level of 1,970 AUMs. Maintain an acceptable allowable use level on key forage species 5/ that will provide a sustained yield. Improve range/ecological condition 4/ from poor to fair 1,898 acres and from fair to good on 1,307 acres and from good to excellent on 29 acres. Consider increasing existing forage by artificial methods whenever appropriate and feasible.	36	0	0	Manage, maintain and improve public rangeland habitat condition to provide forage on a sustained yield basis, with an initial forage demand for big game of 25 AUMs for mule deer and 7 AUMs for bighorn sheep, by: a. Improving or maintaining the following mule deer habitat to at least good condition in East Range DY-3 and DS-3. Protect sage grouse strutting and nesting habitat and improve brooding habitat. Wildlife habitat management objectives for vegetation utilization shall be as follows except where adjusted by an approved HMP, AMP and HMAP. a. <u>Terrestrial</u> : will not exceed levels established in the Sonoma-Gerlach EIS Table 1-4 for key species. b. <u>Wetland Riparian</u> : shall not exceed 50% for key species. Develop an HMP for the East Range WHA-T-9.	0	Remove all wild horses from checkerboard land in accordance with MFP III decision. No horses or burros.	1. Trend 2. Actual Use 3. Climate 4. Utilization 5. Order 3 soil surveys 6. Ecological Status Inventory 7. Use Patterns	1. Order 3 soil surveys 2. CSA (1) 3. Horse census	1,207 acres 3 m. 1 each	plow & seed fence well trough	0 0 0	0 0 750 acres 5 miles fenced*	Gathered 11 wild horses in 1986 to attain AML. 31 livestock AUMs suspended due to fire (1985). 31 AUMs reinstated 1989. Rested Whitehorse seeding for 1991 grazing year.

Table II
Progress of Program Implementation Sonoma-Gerlach Resource Area

Kind of Plan	Allotment/ Operator	Sel. Mngt Cat.	LIVESTOCK		WILDLIFE			WILD HORSES AND BURROS			RANGE IMPROVEMENT PROJECTS				Program Implementation Progress	
			Initial Stocking Level 1/ AUMs	Management Objectives 1/ 2/	EXISTING USE AUMs			Existing Use (AUMs) July 1, 1991	Management Objectives 1/ 2/	Identified Monitoring Plan Components	Completed Monitoring Actions	Planned 2/		Completed		
					Deer 9/	Antelope 3/	Bighorn Sheep					Units	Type	Units		Type
General Land Use Plan	South Rochester/ Olagary Pleasant Valley Ranch Spring Valley Cattle Co. Don Sims	C	3,964	Manage, maintain and improve public rangeland conditions to provide forage on a sustained yield basis with an initial stocking level of 3,964 AUMs.	74	0	0	876 (73 horses)	Manage, maintain and improve public rangeland habitat condition to provide forage on a sustained yield basis, with an initial forage demand for big game of 45 AUMs for mule deer and 15 AUMs for bighorn sheep, by: a. Improving or maintaining the following mule deer habitat to at least good condition in Ragged Top DY-1, West Humboldt DY-1, Stillwater Range DY-3 and Humboldt Range DY-2. Wildlife habitat management objectives for vegetation utilization shall be as follows except where adjusted by an approved HMP, AMP, and HMAP. a. <u>Terrestrial</u> : will not exceed levels established in the Sonoma-Gerlach EIS Table 1-3 for key species. b. <u>Wetland Riparian</u> : shall not exceed 50% for key species. Develop an HMP for the Stillwater Range WHA-T-16 was developed during FY86.	1. Actual use and improve public rangeland conditions to provide an initial level of 432 AUMs of forage on a sustained yield basis for 36 (AMLs) 5/wild horses in the North Stillwater Herd Use Areas: Manage wild horse/burro habitat to improve range-ecological condition 4/ as listed under livestock objectives. Maintain an acceptable allowable use level on key forage species 5/that are consistent with those established for livestock and wildlife. Maintain and improve the free-roaming behavior of wild horses and burros by protecting and enhancing their home ranges. Maintain/improve wild horse/burro habitat by assuring free access to water	1. Order 3 soil surveys 2. Ecological Status (Partial) census 3. Horse	1. Order 3 soil surveys 2. Ecological Status (Partial) census 3. Horse	18 mi. fence 2 each cattle-guard 5 each well 2 mi. pipeline 12 ea. trough 1 each spring dev.	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	Gathered 129 wild horses from checkerboard lands in 1985 to attain AML in the Humboldt Range HA.

Table II
Progress of Program Implementation Sonoma-Gerlach Resource Area

Kind of Plan	Allotment/ Operator	Sel. Mngt Cat.	LIVESTOCK		WILDLIFE		WILD HORSES AND BURROS			RANGE IMPROVEMENT PROJECTS				Program Implementation Progress				
			Initial Stocking Level 1/ AUMs	Management Objectives 1/ 5/	EXISTING USE AUMs		Existing Use (AUMs)	Management Objectives 1/ 5/	Identified Monitoring Plan Components	Completed Monitoring Actions	Planned 2/		Completed					
					Deer	Antelope					Bighorn	Sheep	Units		Type	Units	Type	
General Land Use Plan	Rawhide/ Spring Valley Cattle Co. Don Gee Pleasant Valley Ranch	C	2,721	Manage, maintain and improve public rangeland conditions to provide forage on a sustained yield basis with an initial stocking level of 2,721 AUMs. Maintain an acceptable allowable use level on key forage species 5/ that will provide a sustained yield. Improve range/ecological condition 4/ from poor to fair on 13,943 acres and from fair to good on 4,739 acres and good to excellent on 392 acres.	138	0	120	0	Remove all wild horses from checkerboard land in accordance with WFP III decision. No horses or burros.	1. Actual Use 2. Climate 3. Utilization 4. Order 3 soil surveys 5. Ecological Status 6. Use Patterns	1. Order 3 soil surveys 2. Ecological Status (Partial) 3. Horse Inventory census No monitoring current.	11 mi fence	2 each cattle-guard	0	0	0	0	Gathered 52 wild horses in 1986 to attain AML. Bighorn sheep reintroduced (1984).

Table II
Progress of Program Implementation Sonoma-Gerlach Resource Area

Kind of Plan	Allotment/ Operator	Sel. Mngt Cat.	LIVESTOCK		WILDLIFE			WILD HORSES AND BURROS			RANGE IMPROVEMENT PROJECTS				Program Implementation Progress		
			Initial Stocking Level 1/ AUMs	Management Objectives 1/ 2/	EXISTING USE AUMs Deer 9/ Antelope Bighorn Sheep		Management Objectives 1/ 2/	Existing Use (AUMs)	Management Objectives 1/ 2/	Identified Monitoring Plan Components	Completed Monitoring Actions	Units	Type	Units		Type	
General Land Use Plan	Diamond S/ Jack Fulenwider	C	1,158	Manage, maintain and improve public rangeland conditions to provide forage on a sustained yield basis with an initial stocking level of 1,158 AUMs. Maintain an acceptable allowable use level on key forage species 5/ that will provide a sustained yield. Improve range/ecological condition 4/ from fair to good on 2,177 acres and from good to excellent on 37 acres. Consider increasing existing forage by artificial methods wherever appropriate and feasible.	48	0	0	Manage, maintain and improve public rangeland condition to provide forage on a sustained yield basis, with an initial forage demand for big game of 129 AUMs for mule deer and 28 AUMs for bighorn sheep, by: a. Improving or maintaining the following mule deer habitat to at least good condition in Sonoma Range DS-5 and DW-1. Wildlife habitat management objectives for vegetation utilization shall be as follows except where adjusted by an approved HMP, ANP and HMAP. a. <u>Terrestrial</u> : will not exceed levels established in the Sonoma-Gerlach EIS Table I-3 for key species. b. <u>Wetland Riparian</u> : shall not exceed 50% for key species. Develop an HMP for WHA-T-5, Sonoma Range during FY90.	0	Remove all wild horses from checkerboard land in accordance with MFP III decision.	1. Actual Use 2. Climate 3. Utilization 4. Order 3 soil 5. Ecological 6. Use Patterns	1. Order 3 soil surveys 2. Ecological Status 3. Horse Census No monitoring current	1,920 acres	plow & seed	0	0	Gathered 168 wild horses in 1986 to attain AWL.

Table II
Progress of Program Implementation Sonoma-Gerlach Resource Area

Kind of Plan	Allotment/ Operator	Sel. Mngt Cat.	LIVESTOCK		WILDLIFE			WILD HORSES AND BURROS			RANGE IMPROVEMENT PROJECTS				Program Implemenation Progress			
			Initial Stocking Level 1/ AUMs	Management Objectives 1/	EXISTING USE AUMs Deer 9/ Antelope Bighorn Sheep	Management Objectives 1/	Existing Use (AUMs)	Management Objectives 1/	Identified Monitoring Plan Components	Completed Monitoring Actions	Units	Type	Units	Type				
General Land Use Plan	Thomas Creek/ Ether Westmoreland Garley Amos John Aitken	C	629	Manage, maintain and improve public rangeland conditions to provide forage on a sustained yield basis with an initial stocking level of 629 AUMs.	48	0	0	Manage, maintain and improve public rangeland habitat condition to provide forage on a sustained yield basis, with an initial forage demand for big game of 90 AUMs for mule deer and 35 AUMs for bighorn sheep, by: a. Improving or maintaining the following mule deer habitat in Sonoma Range OS-5 and SW-1. Wildlife habitat management objectives for vegetation utilization shall be as follows except where adjusted by an approved HMP, ANP and HMAP. a. <u>Terrestrial</u> : will not exceed levels established in the Sonoma-Gerlach EIS Table I-3 for key species. b. <u>Streambank Riparian</u> shall not exceed 30% for key species. c. <u>Wetland Riparian</u> : shall not exceed 50% for key species. Develop an HMP for WHA-T-5, improve Water Canyon and Thomas Canyon Creeks condition from fair to good, Sonoma Range during FY91.	0	Remove all wild horses from checkerboard land in accordance with MFP III decision.	1. Trend 2. Actual Use 3. Climate 4. Utilization 5. Order 3 soil surveys 6. Ecological Status Inventory 7. Use Patterns	1. Order 3 soil surveys 2. CSA (1) Horse Census 4. Stream survey No monitoring current	1,280	plow & seed	0	0	Gathered 33 wild horses in 1986 to attain AML. 184 livestock AUMs suspended due to fire (1985). AUMs reinstated 1989.	
			97	to provide forage on a sustained yield basis with an initial stocking level of 629 AUMs.														
			264	Maintain an acceptable allowable use level on key forage species 5/ that will provide a sustained yield. Improve range/ecological condition 4/ from fair to good on 2,542 acres and from good to excellent on 21 acres.														
			268	Consider increasing existing forage by artificial methods wherever appropriate and feasible.												5	miles fenced*	

Table II
Progress of Program Implementation Sonoma-Gerlach Resource Area

Kind of Plan	LIVESTOCK			Management Objectives 1/ 9/	WILDLIFE			WILD HORSES AND BURROS			RANGE IMPROVEMENT PROJECTS				Program Implementation Progress		
	Allotment/ Operator	Sel. Mngt Cat.	Initial Stocking Level 1/ AUMs		EXISTING USE AUMs Deer 9/	Antelope Bighorn Sheep	Management Objectives 1/	Existing Use (AUMs)	Management Objectives 1/	Identified Monitoring Plan Components	Completed Monitoring Actions	Units Planned 2/	Type	Units Completed		Type	
General Land Use Plan	Prince Royal/ Olagaray John Thacker	C	153 97 56	Manage, maintain and improve public rangeland conditions to provide forage on a sustained yield basis with an initial stocking level of 153 AUMs. Maintain an acceptable allowable use level on key forage species 5/ that will provide a sustained yield. Improve range/ecological condition 4/ from fair to good on 2,177 acres and from good to excellent on 37 acres. Consider increasing existing forage by artificial methods wherever appropriate and feasible.	77	0	0	Manage, maintain and improve public rangeland habitat condition to provide forage on a sustained yield basis, with an initial forage demand for big game of 47 AUMs for mule deer and 13 AUMs for bighorn sheep, by: a. Improving or maintaining the following mule deer habitat in Humboldt Range DY-2 and DS-2 to at least good condition. Wildlife habitat management objectives for vegetation utilization shall be as follows except where adjusted by an approved HMP, AMP and HWAP. a. <u>Terrestrial</u> : will not exceed levels established in the Sonoma-Gerlach EIS Table I-3 for key species. b. <u>Wetland Riparian</u> : shall not exceed 50% for key species. Develop an HMP for WHA-T-11, Humboldt Range, during FY93.	0	Remove all wild horses from checkerboard land in accordance with MFP III decision.	1. Actual Use 2. Climate 3. Utilization 4. Order 3 soil 5. Ecological 6. Use Patterns	1. Order 3 soil 2. Ecological 3. Horse No monitoring current	2,491 acres	plow & seed	0	0	Gathered 66 wild horses in 1985 to attain AML.

Table II
Progress of Program Implementation Sonoma-Gerlach Resource Area

Kind of Plan	Allotment/ Operator	Sel. Mngt Cat.	LIVESTOCK		WILDLIFE			WILD HORSES AND BURROS			RANGE IMPROVEMENT PROJECTS				Program Implementation Progress		
			Initial Stocking Level 1/ AUMs	Management Objectives 1/ 2/	Deer 3/	Antelope 4/	Bighorn 5/	Sheep	Management Objectives 1/ 2/	Existing Use (AUMs) July 1, 1991	Management Objectives 1/ 2/	Identified Monitoring Plan Components	Planned 2/			Completed	
													Units	Type		Units	Type
General Land Use Plan	Pole Canyon/ Fairfax Estate	C	540	Manage, maintain and improve public rangeland conditions to provide forage on a sustained yield basis with an initial stocking level of 153 AUMs. Maintain an acceptable allowable use level on key forage species 5/ that will provide a sustained yield. Improve range/ecological condition 4/ from fair to good on 2,177 acres and from good to excellent on 37 acres. Consider increasing existing forage by artificial methods wherever appropriate and feasible.	77	0	0	Manage, maintain and improve public rangeland condition to provide forage on a sustained yield basis, with an initial forage demand for big game of 15 AUMs for mule deer, 7 AUMs for pronghorn and 37 AUMs for bighorn sheep, by: a. Improving or maintaining the following mule deer habitat in Fox Range DY-1 to at least good condition. b. Improving and maintaining the Fox Range AY-5 pronghorn habitat condition to at least good condition. Wildlife habitat management objectives for vegetation utilization shall be as follows except where adjusted by an approved HMP, AMP and HWAP. a. <u>Terrestrial</u> : will not exceed levels established in the Sonoma-Gerlach EIS Table I-3 for key species. b. <u>Wetland Riparian</u> : shall not exceed 50% for key species. Develop an HMP for WHA-T-13, during FY91.	2220 (185 horses)	Manage, maintain and improve public range/ecological condition 4/ as listed under livestock objectives. Maintain an acceptable allowable use level on key forage species 5/ that are consistent with those established for livestock and wildlife. Maintain and improve the free-roaming behavior of wild horses and burros by protecting and enhancing their home ranges. Maintain/improve wild horse/burro habitat by assuring free	1. Actual Use 2. Climate 3. Order 3 soil surveys 4. Ecological Status Inventory	1. Selection of key management areas have been completed. 2. Preliminary range study implementation completed on some sites. 3. Horse Census No monitoring current	6 mi. fence 1 each well 2 mi. pipeline 4 each trough 1 each spring	0 0 0 0 0	0 0 0 0 0	Gathered 133 wild horses in 1986 attain AML.	

Table II
Progress of Program Implementation Sonoma-Gerlach Resource Area

Kind of Plan	Allotment/ Operator	Sel. Mngt. Cat.	LIVESTOCK		WILDLIFE		WILD HORSES AND BURROS			RANGE IMPROVEMENT PROJECTS				Program Implementation Progress			
			Initial Stocking Level 1/ AUMs	Management Objectives 1/	EXISTING USE AUMs Deer 3/ Antelope Bighorn Sheep		Management Objectives 1/	Existing Use (AUMs)	Management Objectives 1/	Identified Monitoring Plan Components	Completed Monitoring Actions	Units	Type		Units	Type	
General Land Use Plan	Ragged Top/ Olagerary John Espil	C	Exchange of Use	Manage, maintain and improve public rangeland conditions to provide forage on a sustained yield basis. Maintain an acceptable allowable use level on key forage species 5/ that will provide a sustained yield. Improve range/ecological condition 4/ from poor to fair on 6,516 acres and from good to excellent on 517 acres.	216	0	0	Manage, maintain and improve public rangeland habitat condition to provide forage on a sustained yield basis, with an initial forage demand for big game of 72 AUMs for mule deer, by: a. Improving or maintaining the following mule deer habitat in Trinity Range DY-8 to at least fair. b. Improve habitat forb content by 15% for chukar. Wildlife habitat management objectives for vegetation utilization shall be as follows except where adjusted by an approved HMP, AMP, and HMAP. a. <u>Terrestrial</u> : will not exceed levels established in the Sonoma- Gerlach EIS Table I-3 for key species. b. <u>Wetland Riparian</u> : shall not exceed 50% for key species. Update the HMP for Seven Troughs WHA- T-15 during FY92.	0	Remove all wild horses from checkerboard land in accordance with MFP III decision.	1. Actual Use 2. Climate 3. Utilization 4. Order 3 soil surveys 5. Ecological Status Inventory 6. Use Patterns	1. Order 3 soil surveys 2. Horse Census No monitoring current	12 mi. 1 each 2 each 4 each	fence cattle- well trough	0 0 0 0	0 0 0 0	Gathered 110 wild horses in 1985 to attain AML. 33 head of burros removed December 1987 to attain AML.

Table II
Progress of Program Implementation Sonoma-Gerlach Resource Area

Kind of Plan	Allotment/ Operator	Sel. Mngt Cat.	LIVESTOCK		WILDLIFE			WILD HORSES AND BURROS			RANGE IMPROVEMENT PROJECTS				Program Implenetation Progress		
			Initial Stocking Level 1/ AUMs	Management Objectives 1/ 2/	EXISTING USE AUMs		Management Objectives 1/ 2/	Existing Use (AUMs)	Management Objectives 1/ 2/	Identified Monitoring Plan Components	Completed Monitoring Actions	Planned 2/		Completed			
					Deer	Antelope Bighorn 9/ Sheep						Units	Type	Units		Type	
General Land Use Plan	Humboldt House/ Olagaray	C	107 107	Manage, maintain and improve public rangeland conditions to provide forage on a sustained yield basis with an initial stocking level of 727 AUMs. Maintain an acceptable allowable use level on key forage species 5/ that will provide a sustained yield. Improve range/ecological condition 4/ from poor to fair on 3,099 acres and from fair to good on 993 acres and good to excellent on 38 acres.	110	0	0	Manage, maintain and improve public rangeland habitat condition to provide forage on a sustained yield basis, with an initial forage demand for big game of 67 AUMs for mule deer and 23 AUMs for bighorn sheep, by: a. Improving or maintaining the following mule deer habitat to at least good condition in Humboldt Range DY-2 and DS-1. Wildlife habitat management objectives for vegetation utilization shall be as follows except where adjusted by an approved HMP, AMP, and HMAP. a. <u>Terrestrial</u> : will not exceed levels established in the Sonoma-Gerlach EIS Table I-3 for key species. B. <u>Wetland Riparian</u> : shall not exceed 50% for key species. Develop the HMP for Humboldt Range WHA-T-11 during FY88.	0	Remove all wild horses from checkerboard land in accordance with MFP III decision.	1. Actual Use 2. Climate 3. Utilization 4. Order 3 soil surveys 5. Ecological Status Inventory 6. Use Patterns (Utilization Plots)	1. Preliminary range study implementation completed on some sites. 2. Order 3 soil surveys 3. Ecological Status (Partial) 4. Horse census No monitoring current No monitoring current	0	0	0	0	Decision to monitor and, if necessary, make adjustments accordingly. Gathered 32 wild horses in 1985 to attain AML. Canceled 620 AUMs.

Table II
Progress of Program Implementation Sonoma-Gerlach Resource Area

Kind of Plan	Allotment/ Operator	Sel. Mngt Cat.	LIVESTOCK		WILDLIFE			WILD HORSES AND BURROS			RANGE IMPROVEMENT PROJECTS				Program Implemetation Progress
			Initial Stocking Level 1/ AUMs	Management Objectives 1/	EXISTING USE AUMs Deer Antelope Bighorn 9/ Sheep		Management Objectives 1/	Existing Use (AUMs)	Management Objectives 1/	Identified Monitoring Plan Components	Completed Monitoring Actions	Units	Type	Units	
General Land Use Plan	Humboldt Sink/ Safford and Martin Morris	C	1,582 1,520 62	Manage, maintain and improve public rangeland conditions to provide forage on a sustained yield basis with an initial stocking level of 1,582 AUMs. Maintain an acceptable allowable use level on key forage species 5/ that will provide a sustained yield. Improve range/ecological condition 4/ from fair to good on 12,177 acres and from good to excellent on 310 acres.	0 0 0	0 0 0	Manage, maintain and improve public rangeland habitat condition to provide forage on a sustained yield basis, with an initial forage demand for big game of 2 AUMs for mule deer and 3 AUMs for bighorn sheep, by: a. Improving or maintaining the following mule deer habitat in Humboldt Range DV-1 to at least fair condition. b. Improving and maintaining waterfowl habitat in Jessup Flat to at least good condition. Wildlife habitat management objectives for vegetation utilization shall be as follows except where adjusted by an approved HMP, AMP and HWAP. a. <u>Terrestrial</u> : will not exceed levels established in the Sonoma-Gerlach EIS Table I-3 for key species. b. <u>Wetland Riparian</u> : shall not exceed 50% for key species. Develop an HMP for Humboldt Range WHA-T-11 during FY88.	0	No horses or burros	1. Actual Use 2. Utilization 3. Order 3 soil surveys 4. Ecological Status 5. Use Patterns current	1. Order 3 soil surveys (complete) No monitoring	7 mi. fence 1 each well 2 each trough	0 0 0	0 0 0	Gathered 14 wild horses in 1985 to attain AML.

Table II
Progress of Program Implementation Sonoma-Gerlach Resource Area

Kind of Plan	Allotment/ Operator	Sel. Mngt Cat.	LIVESTOCK		WILDLIFE			WILD HORSES AND BURROS			RANGE IMPROVEMENT PROJECTS				Program Implemetation Progress		
			Initial Stocking Level 1/ AUMs	Management Objectives 1/ AUMs	EXISTING USE AUMs		Management Objectives 1/ AUMs	Existing Use (AUMs)	Management Objectives 1/ AUMs	Identified Monitoring Plan Components	Completed Monitoring Actions	Planned 2/ AUMs		Completed			
					Deer	Antelope Bighorn Sheep						Units	Type	Units		Type	
Land Use Plan	North Buffalo/3/ (Administere d by the Battle Mountain District as the North Buffalo allotment)	C	3,294 1,194 2,100	Manage, maintain and improve public rangeland conditions to provide forage on a sustained yield basis with an initial stocking level of 3,294 AUMs. Maintain an acceptable allowable use level on key forage species 5/ that will provide a sustained yield. Improve range/ecological condition 4/ from fair to good on 12,177 acres and from good to excellent on 310 acres. Consider increasing existing forage by artificial methods wherever appropriate and feasible.	5	0	0	Manage, maintain and improve public rangeland habitat condition to provide forage on a sustained yield basis, with an initial forage demand for big game of 15 AUMs for mule deer, by: a. Improving and maintaining the following mule deer habitat in Battle Mtn. DW-2 to at least good condition. Wildlife habitat management objectives for vegetation utilization shall be as follows except where adjusted by an approved HMP, AMP, and HMAP. a. <u>Terrestrial</u> : will not exceed levels established in the Sonoma-Gerlach EIS Table I-3 for key species. b. <u>Wetland Riparian</u> : shall not exceed 50% for key species. Develop an HMP for Battle Mtn. WHA-T-19 in cooperation with NVOGD.	0	No horses or burros	1. Trend 2. Actual Use 3. Climate 4. Utilization 5. Order 3 soil 6. Ecological Inventory	1. Order 3 soil surveys (complete) 2. Ecological Status Inventory No monitoring current	5,176 acres	plow & seed	0	0	575 livestock AUMs suspended due to fire (1985). AUMs reinstated.

Table II
Progress of Program Implementation Sonoma-Gerlach Resource Area

Kind of Plan	Allotment/ Operator	Sel. Mngt Cat.	LIVESTOCK			WILDLIFE			WILD HORSES AND BURROS			RANGE IMPROVEMENT PROJECTS				Program Implementation Progress							
			Initial Stocking Level 1/ AUMs	Management Objectives 1/	EXISTING USE AUMs			Existing Use (AUMs) July 1, 1991	Management Objectives 1/	Identified Monitoring Plan Components	Completed Monitoring Actions	Planned 2/		Completed									
					Deer	Antelope	Bighorn Sheep					Units	Type	Units	Type								
General Land Use Plan	Jersey Valley Jerry Kelly	C	1,581	Manage, maintain and improve public rangeland conditions to provide forage on a sustained yield basis with an initial stocking level of 1,581 AUMs. Maintain an acceptable allowable use level on key forage species 5/ that will provide a sustained yield. Improve range/ecological condition 4/ from poor to fair on 5,787 acres and from fair to good on 86 acres and good to excellent on 50 acres.	78	0	0	1,200 (100 horses)	Manage, maintain and improve public rangeland habitat condition to provide forage on a sustained yield basis, with an initial forage demand for big game of 48 AUMs for mule deer and 1 AUM for bighorn sheep, by: a. Improving or maintaining the following mule deer habitat in Stillwater Range DY-3 and Augusta Mts. DY-4 to at least good condition. b. Improving and maintaining bighorn condition in Stillwater Range BY-1 to 80% of optimum. Wildlife habitat management objectives for vegetation utilization shall be as follows except where adjusted by an approved HMP, AMP and HMAP. a. <u>Terrestrial</u> : will not exceed levels established in the Sonoma-Gerlach EIS Table I-3 for key species. b. <u>Wetland Riparian</u> : shall not exceed 50% for key species. The HMP for Stillwater Range WHA-T-16 was prepared during FY86.	1. Trend and improve public rangeland conditions to provide an initial level of 3,132 AUMs of forage on a sustained yield basis for 261 (AMLs) 6/ wild horses in the Augusta Mts. Herd Use Area; Manage wild horse/burro habitat to improve range/ecological condition 4/ as listed under livestock objectives. Maintain an acceptable allowable use level on key forage species 5/ that are consistent with those established for livestock and wildlife. Maintain and improve the free-roaming behavior of wild horses and burros by protecting and enhancing their home ranges. Maintain/improve wild horse/burro habitat by assuring free access to water.	1. Trend 2. Actual Use 3. Climate 4. Utilization 5. Order 3 soil 6. Ecological Status Monitoring Inventory (1989)	1. Order 3 soil surveys 2. Ecological Status Inventory Monitoring current (1989)	1-1/2 miles	pipeline	0	0	2 each trough	0	0	1 each spring	0	0	Conversion of sheep AUMs to cattle use. HMP completed FY86. Administration taken over by Winnemucca District in 1992.

Table II
Progress of Program Implementation Sonoma-Gerlach Resource Area

Kind of Plan	Allotment/ Operator	Sel. Mngt Cat.	LIVESTOCK		WILDLIFE		WILD HORSES AND BURROS			RANGE IMPROVEMENT PROJECTS				Program Implementation Progress		
			Initial Stocking Level 1/ AUMs	Management Objectives 1/	EXISTING USE AUMs Deer Antelope Bighorn 9/ Sheen		Management Objectives 1/	Existing Use (AUMs)	Management Objectives 1/	Identified Monitoring Plan Components	Completed Monitoring Actions	Units	Type		Units	Type
General Land Use Plan	Licking/3/ (Admin- istered by the Battle Mountain District as the North Buffalo allotment)	C	153	Manage, maintain and improve public rangeland conditions to provide forage on a sustained yield basis with an initial stocking level of 153 AUMs. Maintain an acceptable allowable use level on key forage species 5/ that will provide a sustained yield. Improve range/ecological condition 4/ from fair to good on 727 acres and good to excellent on 9 acres. Combine with North Buffalo allotment and consider as one allotment.	13	0	0	0	No horses or burros	1. Actual Use 2. Climate 3. Utilization 4. Order 3 soil surveys 5. Ecological Status Inventory	No monitoring	0	0	0	0	24 livestock AUMs suspended due to fire (1985). AUMs reinstated 1989.

Table II
Progress of Program Implementation Sonoma-Gerlach Resource Area

Kind of Plan	Allotment/ Operator	Sel. Mngt Cat.	LIVESTOCK		WILDLIFE			WILD HORSES AND BURROS			RANGE IMPROVEMENT PROJECTS				Program Implementation Progress	
			Initial Stocking Level 1/ AUMs	Management Objectives 1/ 2/	EXISTING USE AUMs		Management Objectives 1/ 2/	Existing Use (AUMs) July 1, 1991	Management Objectives 1/ 2/	Identified Monitoring Plan Components	Completed Monitoring Actions	Planned 2/		Completed		
					Deer	Antelope Bighorn Sheep						Units	Type	Units		Type
General Land Use Plan	Cottonwood Canyon/3/ (Admin- istered by Carson City District as the Boyer Ranch allotment)	C	60	Manage, maintain and improve public rangeland conditions to provide forage on a sustained yield basis with an initial stocking level of 60 AUMs. Maintain an acceptable allowable use level on key forage species 5/ that will provide a sustained yield. Improve range/ecological condition 4/ from poor to fair on 100 acres and fair to good on 349 acres. Run in conjunction with the Boyer Ranch allotment of the Carson City District.	13	0	0	Manage, maintain and improve public rangeland habitat condition to provide forage on a sustained yield basis, with an initial forage demand for big game of 18 AUMs for mule deer, by: a. Improving or maintaining the following mule deer habitat in Stillwater Range DY-3 to at least good condition. Wildlife habitat management objectives for vegetation utilization shall be as follows except where adjusted by an approved HMP. a. <u>Terrestrial</u> : will not exceed levels established in the Sonoma-Gerlach EIS Table I-3 for key species. b. <u>Wetland Riparian</u> : shall not exceed 50% for key species. The HMP for Stillwater Range WHA-T-18 was prepared during FY86.	72	No horses or burros	Monitoring will be done in conjunction with Boyer Ranch Allotment of Carson City District	No monitoring actions have been completed at the present time.	0	0	0	0

- 1/ The initial stocking levels for livestock and the management objectives for livestock, wildlife, wild horses and burros are those identified through the land use planning effort (MFP) unless a specific management plan (CRMP, AMP, etc.) has been completed. Refer to pages 6-32.
- 2/ The planned range improvements are those that were identified through the land use plan (MFP) except for those identified through a specific management plan. The development of these range improvements will depend on an identified need when a specific plan is actually developed. In addition, the development of those planned range improvements for "M" and "C" category allotments will be less intensive and will depend largely on private contributions for implementation.
- 3/ These allotments are in the Winnemucca District but are administered by other BLM Districts. Development of specific management plans, range improvements, monitoring and grazing use adjustments will be conducted by the administering district. These activities will be conducted within the constraints and/or objectives established through the Winnemucca land use plan.
- 4/ The range/ecological conditions in this document are forage condition that will be replaced with ecological status condition as information becomes available. The objective will be redefined/quantified to obtain a particular ecological status when site potential and identified uses are combined to meet vegetative objectives.
- 5/ Key forage species are those species whose use serves as an indicator to the degree of use of associated species; or those species which must, because of their importance, be considered in a management program.
- 6/ AML refer to Appropriate Management Level (adult horses and burros two years or older).
- 7/ Northeast corner of the Herd Area is in the Seven Troughs allotment.
- 8/ Southwest corner of the Herd Area is in the Blue Wing allotment.
- 9/ Best information available.
- * Actions initiated by Rangeland wildfires.