

1988 - JUNE

Alvin Lappen 6/1/88

SONOMA - GERLACH RESOURCE AREA

RANGELAND PROGRAM SUMMARY

UPDATE

JUNE 1988

U.S. Department of the Interior
Bureau of Land Management
Winnemucca District Office
Winnemucca, Nevada





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)

JUN 28 1988

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.

There is a note of clarification that needs to be added to this RPS. The planned range improvement projects by allotment are subject to change as AMPs and HMPs are developed. Projects proposed by livestock operators, Coordinated Resource Management Plan (CRMP) committees and or other interested parties will be tracked in future RPS updates.

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,

Robert J. Neary
Acting District Manager

TABLE A-2 (Continued)

REASONABLE AND EXISTING () NUMBERS FOR WILDLIFE

<u>RCA</u>	<u>Big Game Use Area</u>	<u>% within RCA</u>	<u>Season</u>	<u># of Months</u>	<u>Deer</u>	<u>Antelope</u>	<u>Bighorn***</u>	<u>Elk</u>	<u>AUM Demand</u>
Mary's River	DY-4	87	1/01-12/31	12	250 (175)				750
	DS-1	56	4/01-10/31	7	2800 (1400)				4900
	DS-4	30	4/01-10/31	7	850 (425)				1500
	AY-1	55	1/01-12/31	12		40 (40)			100
	AS-3	13	4/01-10/31	7		60 (60)			80
	PIEW-1	5	11/01- 3/31	5				10 (0)	40
	BSW-1	15	11/01- 3/31	5			10 (0)		10
	TOTAL								7380
O'Neil/Salmon Falls	AS-1	100	4/01-10/31	7		125 (25)			175
	AS-2	100	4/01-10/31	7		150 (30)			200
	AS-3	47	4/01-10/31	7		200 (50)			300
	AW-1	57	11/01- 3/31	5		150 (30)			150
	AW-3	100	11/01- 3/31	5		150 (30)			150
	DY-1	100	1/01-12/31	12	100 (70)				300
	DS-1	44	4/01-10/31	7	2100 (1100)				3700
	DS-2	100	4/01-10/31	7	100 (50)				175
	DS-3	100	4/01-10/31	7	220 (110)				400
	DS-4	41	4/01-10/31	7	1200 (600)				2000
	DS-5	86	4/01-10/31	7	1800 (900)				3100
	DS-9	100	4/01-10/31	7	100 (50)				175
	DS-10	100	4/01-10/31	7	75 (40)				150
	* DSP-1	100	3/01- 3/31	1	4000 (2600)				1000
	DSP-2	100	3/01- 3/31	1	600 (400)				150
	DW-3	100	11/01- 3/31	5	2300 (1500)				2800
	DW-4	100	11/01- 3/31	5	3200 (2000)				4000
	** DW-5	11	11/01- 3/31	5	250 (100)				300
	PIEW-1	95	11/01- 3/31	5				90 (0)	350
	PIES-2	100	4/01-10/31	7				10 (0)	50
BSY-1	100	1/01-12/31	12			90 (0)		200	
BSW-1	85	11/01- 3/31	5			40 (0)		40	
TOTAL								19,765	

TABLE A-2

REASONABLE AND EXISTING () NUMBERS FOR WILDLIFE
(Revised Fiscal Year 85)

<u>RCA</u>	<u>Big Game Use Area</u>	<u>% within RCA</u>	<u>Season</u>	<u># of Months</u>	<u>Deer</u>	<u>Antelope</u>	<u>Bighorn***</u>	<u>Elk</u>	<u>AUM Demand****</u>
Cherry Creek	DW-1	100	11/15- 3/15	4	3800 (2600)				3800
	DW-6	100	12/01- 3/31	4	1200 (850)				1200
	DS-1	100	3/16-11/14	8	1050 (800)				2100
	DS-6	100	4/01-11/30	8	200 (100)				400
	DS-5	22	4/01-11/30	8	50 (20)				100
	AY-2	32	1/01-12/31	12		90 (120)			200
TOTAL									7800
Spruce/Goshutes	DY-1	100	1/01-12/31	12	200 (200)				600
	DS-4	100	3/01-11/30	9	450 (300)				1000
	DY-3	85	1/01-12/31	12	200 (100)				500
	DWI-1	100	10/15-10/31	0.5	3300 (2100)				400
	DW-2	100	11/15- 3/15	4	3800 (2600)				3800
	DW-5	100	12/01- 3/31	4	1200 (850)				1200
	DW-9	51	11/01- 3/30	5	1000 (700)				1300
	DW-10	100	11/01- 3/30	5	3300 (2100)				4150
	DW-11	94	11/01- 3/30	5	1000 (650)				1150
	DW-	100	11/01- 3/30	5	300 (150)				400
	(GOSHUTES)								
	DW-	100	11/01- 3/30	5	850 (450)				1050
	(KINGSLEYS)								300
	DS-5	78	4/01-11/30	8	150 (100)				
	AY-1	29	1/01-12/31	12		20 (20)			50
	AY-2	68	1/01-12/31	12		190 (40)			700
	AY-3	100	1/01-12/31	12		100 (50)			250
	AY-4	100	1/01-12/31	12		100 (25)			250
	AY-5	33	1/01-12/31	12		10 (5)			30
	EY-1	85	1/01-12/31	12				30 (40)	375
		11/01- 3/31	5				60 (55)	250	
BSY-4	100	1/01-12/31	12			200 (0)		500	
BSY-5	86	1/01-12/31	12			120 (0)		300	
TOTAL									18,555

TABLE A-2 (Continued)

REASONABLE AND EXISTING () NUMBERS FOR WILDLIFE

<u>RCA</u>	<u>Big Game Use Area</u>	<u>% within RCA</u>	<u>Season</u>	<u># of Months</u>	<u>Deer</u>	<u>Antelope</u>	<u>Bighorn***</u>	<u>Elk</u>	<u>AUM Demand</u>
Goose Creek	** DW-5	31	11/01- 3/31	5	675 (300)				850
	DW-6	100	11/01- 3/31	5	600 (230)				750
	DS-6	100	4/01-10/31	7	820 (300)				1450
	DS-8	88	4/01-10/31	7	450 (175)				800
	DS-5	7	4/01-10/31	7	150 (75)				<u>250</u>
TOTAL									4100
Pilot/Crittenden	DY-2	100	1/01-12/31	12	100 (45)				100
	DY-3	15	1/01-12/31	12	30 (15)				100
	** DW-5	58	11/01- 3/31	5	1300 (550)				1600
	DW-11	6	11/01- 3/31	5	60 (40)				75
	DS-7	100	4/01-10/31	7	200 (75)				350
	DS-8	12	4/01-10/31	7	60 (25)				100
	EY-1	15	1/01-12/31	12				30 (20)	50
				11/01- 3/31	5			170 (50)	700
	BSY-5	14	1/01-12/31	12			20 (0)		<u>50</u>
TOTAL									3125
Metropolis	DY-4	13	1/01-12/31	12	40 (25)				120
	DS-4	29	4/01-10/31	7	820 (410)				1450
	DS-5	7	4/01-10/31	7	150 (75)				250
	DW-9	4	11/01- 3/31	5	80 (60)				100
	AY-1	45	1/01-12/31	12				35 (10)	80
	AS-3	40	4/01-10/31	7				180 (70)	250
	AS-4	100	4/01-10/31	7				50 (20)	70
	AW-1	43	11/01- 3/31	7				100 (40)	150
	AW-2	100	11/01- 3/31	7				50 (20)	<u>70</u>
TOTAL									2540

TABLE A-2 (Continued)

REASONABLE AND EXISTING () NUMBERS FOR WILDLIFE

<u>RCA</u>	<u>Big Game Use Area</u>	<u>% within RCA</u>	<u>Season</u>	<u># of Months</u>	<u>Deer</u>	<u>Antelope</u>	<u>Bighorn***</u>	<u>Elk</u>	<u>AUM Demand</u>
Ruby/Wood Hills	DW-4	100	12/01- 4/30	5	725 (475)				900
	DSP-1	100	4/15- 5/15	1	3000 (2100)				750
	DW-9	45	11/01- 3/30	5	1000 (650)				1200
	DSP-2	100	4/15- 5/15	1	600 (475)				150
	AY-1	71	1/01-12/31	12		40 (80)			100
	AY-5	67	1/01-12/31	12		25 (5)			<u>50</u>
TOTAL									<u>3150</u>
Wells RA Total									<u><u>66,415</u></u>

* - Deer Spring (DSP) is figured at the same percentage as the existing carrying capacity of the primary winter range (% existing of reasonable)

** - Reasonable & existing numbers do not allow for approximately 4000 deer that migrate into this area from Idaho & Utah.

*** - Reasonable Numbers updated by publication Potential Bighorn Sheep Habitat in Northern Nevada, Golden & Tskamoto 1979.

**** - AUM demand, as depicted here, only represents what the demand of reasonable numbers would be. Allocation is not implied nor anticipated, this information is presented for analysis purposes only.

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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 began the last phase of the planning process for these resource management programs for the purpose of determining final land use decisions. This included the Sonoma-Gerlach Management Framework Plan (MFP) which 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 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, was designed to inform interested persons about the implementation of the rangeland management program, as set forth in the planning decisions 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 October of 1983.

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 initial RPS was issued.

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 values 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.

Management Implementation

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

Grazing adjustments, if required, will be based upon vegetation monitoring studies, CRMP committee recommendations, baseline inventory data, or a combination of these. These studies will be obtained from an intensive, coordinated monitoring effort in which all affected interest groups are encouraged to participate.

The formal process of consultation and coordination may involve the Lovelock CRMP committee or other such committees. The CRMP committee brings together all interests concerned with the management of resource uses, wildlife groups, wild horse and burro groups, conservation organizations, etc.

The consultation/coordination process would not necessarily require participation by the formal CRMP committee. The process may be accomplished in a more informal manner, initiated by either the BLM or the range user. 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" (Intensive), or "C" (Custodial).

All allotments were grouped into these categories according to their management needs, potential for improvement, 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.

The categorization of the allotments has remained consistent with what was published in the RPS. The major emphasis has been on lower I priority allotments. This is in direct response to public interest manifested through the CRMP process, as a result of this public involvement the management on the ground has been concentrated on the Buffalo Hills and Blue Wing-Seven Troughs Allotments. However, current and future implementation efforts will concentrate on the priority I allotments.

Categories of allotments can be changed should it become necessary. If an "I" allotment for example should have all of the range improvements completed, stocking rates and seasons of use are correct, condition and trend are clearly up and management objectives are being met, the allotment could be reclassified as an "M" allotment. Conversely should an "M" allotment appear to be deteriorating and management objectives are not being met it could be reclassified as an "I". The goal is to get as many allotments as possible into the "M" Category.

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. On allotments with inconclusive monitoring data and/or without an agreement for grazing use stocking levels, the following base herbivore grazing levels will be used as a starting point for monitoring purposes:

- Livestock - Active preference or negotiated adjustments,
- Wildlife - Reasonable numbers as established by BLM and the Nevada Department of Wildlife, and
- Wild Horses and Burros - Existing/current WH&B numbers (as of July 1, 1982) except where one of the following conditions exist.
 - a. Numbers are established by adequate and supportable resource data;
 - b. Numbers are established through the CRMP process as documented in CRMP recommendations and agreed to by the District Manager;
 - c. Numbers are established by formal signed agreement between affected interests;
 - d. Numbers are established through previously developed interim capture/management plans; plans are still supportable by parties consulted in the original plan; EAs (EARs) were prepared and are still valid, or:
 - e. Numbers are established by court order.

Grazing use adjustments when necessary on I and M allotments in the Sonoma-Gerlach Resource Area will be implemented through one of the following three methods by September 30, 1988. For those allotments where adequate monitoring indicated no change is in order, a no change decision may be issued and/or the files documented.

a. Agreements to Make Adjustments

Where grazing use agreements have been negotiated, no decision will be issued. 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, 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.

b. Agreement or Decision to Continue Monitor

A decision may also be issued to continue to monitor if, by the 5th year, of the initial monitoring studies are inconclusive (i.e. the analysis of best available data indicates that no change is in order at this time and we will continue to monitor). The stocking levels will remain at the base herbivore grazing levels established by the land use plan, until data indicates that a change is in order.

Adjustments to grazing use based upon the additional data gathered shall be implemented through an agreement or by a decision that will "start the clock" on the five-year adjustment implementation period.

c. Decisions to Make Adjustments

Where monitoring data exists to support grazing use adjustments and an agreement cannot be reached, a decision will be issued to "start the clock" on the five-year adjustment implementation period. These adjustments in grazing use will include but are not limited to season-of-use, period-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 through a coordinated management approach in resolving management resource conflicts and accomplishing planned objectives. Existing use by allotment for livestock, wildlife, wild horses and burros is compared to planned management objectives and the necessary range improvements and monitoring scheme to determine effectiveness in accomplishing these objectives. Completed monitoring actions and range improvements accomplished since the last RPS are shown to depict progress of on-the-ground management implementation.

Actions Taken Since Last RPS

1. As a result of the Lovelock CRMP group's recommendations:
 - a. Appropriate Management Levels AML have been set for wild horses/burros at 1,020 animals in the Blue Wing/Seven Troughs Allotments.
 - b. A grazing system and areas of use have been agreed upon in the Blue Wing/Seven Troughs Allotments.
 - c. Monitoring plan initiated in Blue Wing/Seven Troughs Allotments.

- d. Monitoring plan initiated in Goldbanks Allotment.
2. Monitoring has been initiated on all I and M allotments.
3. An Order 3 Soil Survey has been completed on twenty-seven (27) allotments.
4. Ecological Status Inventory has been completed on fifteen (15) allotments.
5. Utilization patterns completed on eight (8) allotments.
6. Fourteen (14) trend studies, twelve (12) utilization studies and nine (9) stream surveys have been initiated.
7. 2,650 acres have been seeded and 16.5 miles of fence built for fire rehabilitation. All seeded areas were closed to livestock grazing for two years.
8. 75 miles of fence, 7 cattleguards and 65 game guzzlers have been constructed for resource improvements.
9. Plans that have been completed: three CRMPs, one AMP, six HMPs, one Monitoring Plan and one ACEC.
10. Livestock decrease in AUMs:
 - 4,228 AUMs temporarily suspended
 - 3,150 AUMs permanently cancelled
11. Wild horses and Burros
 - a. Removed 8,038 horses and 60 burros to approach and/or attain appropriate management levels (AMLs).
 - b. Attained AMLs in 22 allotments.
12. Wildlife increase in existing use:
 - Deer - 2,368 AUMs
 - Antelope - 59 AUMs
 - Bighorn Sheep - 266 AUMs

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.

Additional monitoring has become necessary to analyze the effects of rangeland fires on several areas within the resource area. Because of the unusually extreme fire season in 1985 this has increased the number of areas that require monitoring. Monitoring has been initiated on all fire areas that were closed to grazing for rehabilitation purposes.

The evaluation program is the evaluating of monitoring data to determine the effectiveness of on-the-ground management actions and assessing progress toward meeting management objectives.

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 Gerald P. Brandvold, Sonoma-Gerlach Resource Area Manager, Winnemucca District Office, Bureau of Land Management, 705 East Fourth Street, Winnemucca, Nevada 89445, or by calling (702) 623-3676.

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	Calico	I	.8/1
4	Rodeo Creek	I	.6/1
5	Blue Wing	I	1/1
6	Seven Troughs	I	1/1
7	Clear Creek	I	.4/1
8	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	Pumpernickel	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.

Table II
Progress of Program Implementation Sonoma-Gardner Resource Area

Kind of Plan	Allotment/Operator	STRATEGIC Management Category	INITIAL Stocking Level 1/ (AUMS)	LIVESTOCK		SUBCLIP			LIVESTOCK Use (AUMS)	WILD HORSES AND BURROS		DEFERRED Monitoring Plan Components	RANGE IMPROVEMENT PROJECTS		Program Implementation Progress	
				Management Objectives and 1/ Program Implementation Method	Deer	Antelope	Bighorn Sheep	Management Objectives and 1/ Program Implementation Method		Management Objectives and 1/ Program Implementation Method	Completed Monitoring Actions		PLANNED 2/ Units	COMPLETED Units		Type
I. Current Planning Efforts																
This section of the table addresses those allotments where specific management plans have been developed or are now in the process of development. The "I" allotments listed are those where the BLM will concentrate public funds, supplemented with private contributions in an effort to complete the necessary range improvements required to implement the management plans.																
AMP	Buffalo Hills/ A. Jackson, G. Selmi	I	11,920 739 69 Unallo- cated: 11,112	Manage, maintain and improve public rangeland conditions to provide forage on a sustained yield basis with an initial stocking level of 11,920 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 14,853 acres and from fair to good on 16,722 acres and good to excellent on 434 acres. Development and approval of the Coordinated Resource Management Plan (CRMP) including monitoring plan through the Buffalo Hills CRMP committee. Consider increasing existing forage by artificial methods wherever appropriate and feasible. Develop AMP and combine with Calico Allotment grazing system.	1987 7,300	640	120	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 6,294 AUMS for mule deer, 1,016 AUMS for pronghorn and 1,142 AUMS for bighorn sheep by: a. Improving 7,680 acres of priority mule deer habitat to excellent condition: 1. From good to excellent: Granite Range DS-1; Poodle Mtn. DS-2; Granite Range DS-6; Crutcher Canyon DW-4. 2. From fair to good: Buffalo Reservoir DW-2. c. Maintaining mule deer habitat as follows: 1. Good condition: Buffalo Hills DS-2; Horse Canyon DS-2; Sawmill Canyon DS-2; Granite Basin DS-5; Granite Range DW-9. 2. Excellent condition: Granite Range DW-7; Rock Creek DW-8; Granite Creek DS-9. d. Improving pronghorn habitat as follows: 1. From fair to good: Buffalo Hills AS-1; Granite Range AS-8; Middle Fork AI-8; Granite Basin AS-9; Crutcher Canyon AW-1. South Buffalo Hills AW-2; Middle Fork AW-3; Rock Creek AW-4. 2. From poor to fair: Clear Creek AV-5; Granite Point AW-10. e. Maintain pronghorn habitat as follows: 1. Good condition: Buffalo Hills AW-1. f. Improving 17,820 acres of priority bighorn sheep habitat (Granite Range BT-1) from 70% to 90% of optimum. 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 MMP, AMP and RMP. 1. Terrestrial: will not exceed TRVETS established in the Sonoma-Gardner CIS Table I-1 for key species. 2. Streambank Riparian: shall not exceed SDX for key species. 3. Wetland Riparian: shall not exceed SDX for key species. Improve overall fisheries habitat rating to 60% in Cottonwood, Granite, Red Mountain, Rock and Sagon Fire Creeks. Manage Clear Creek to improve or maintain the habitat in good or better condition. Complete the Fox Mtn. WNA-A/I-1 MMP during FY85.	1988 75,728 (1,294 horses) Current 456 177	Manage, maintain and improve public rangeland conditions to provide a sustained yield basis for 555 (AMLs) 6/ wild horses in the following herd use areas: HMA AML # AUMS Buffalo Hills 772 3254 Granite Range 176 2112 Calico Mtns. 107 1204 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 Monitoring 2. Actual use 3. Climate 4. Range utilization 5. Order 3 Soil Surveys 6. Ecological Status Inventory 7. Use Patterns 8. Big Game Studies 9. Stream Survey (1)	1. Habitat evaluation completed in 3 wildlife use areas one wildlife utilization study completed. 2. Key management areas selected with ecological condition. 3. Utilization total allotment. 4. Use Patterns total allotment. 5. Order 3 Soil Surveys partially complete. 6. Horse Census. 7. Stream Survey (1).	26,423 acres 2,608 acres 3,269 acres 25 miles 1 each cattle guard	plow & seed reseed seed fence cattle guard	0 0 0 0 0 0	Gathered 400 wild horses to approach AMLs in 1985. CRMP dropped in draft. AMP completed 10/87.

Table II
Progress of Program Implementation Sonoma-Gerlach Resource Area

Kind of Plan	Allotment/Operator	SELECTIVE Management Category	INITIAL Stocking Level 1/ (AUMs)	LIVESTOCK			Management Objectives and 1/ Program Implementation Method	EXISTING Use (AUMs)	WILD HORSES AND BURROS			IDENTIFIED Monitoring Plan Components	Completed Monitoring Actions	RANGE IMPROVEMENT PROJECTS COMPLETED		Program Implementation Progress	
				DEER	ANTelope	BIGHORN Sheep			PLANNED 2/	UNPLANNED 2/							
AMP	Calico/A. F. Jackson A. Jackson, G. Selmi	I	2,584	1987 7,000	640	120	Manage, maintain and improve public rangeland conditions to provide forage on a sustained yield basis with an initial stocking level of 2,584 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 and fair to good on 4,097 acres and from good to excellent on 124 acres. Completion and approval of CRMP plan including monitoring plan by Buffalo Hills CRMP committee. Develop AMP and combine with Buffalo Hills allotment grazing system.	1988 7,554 (132 horses) Current 132	Manage, maintain and improve public rangeland conditions to provide forage on a sustained yield basis with an initial forage demand for big game of 48 AUMs for mule deer, 44 AUMs for pronghorn, and 88 AUMs for bighorn sheep by: a. Improving the Donnelly Peak OS-5 mule deer habitat from good to excellent. b. Improve the Donnelly Peak AS-1 and Division Peak AS-6 pronghorn habitats from fair to good. 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. 1. Terrestrial: will not exceed TERTS established in the Sonoma-Gerlach EIS Table I-3 for key species. 2. Streambank Riparian: shall not exceed SWR for key species. 3. Wetland Riparian: shall not exceed SWR for key species. Improve Donnelly Creek from fair to good condition. Complete the Fox Mts. WMA-A/T-1 HMP during FY88. Reintroduce California bighorn sheep into the Calico Mts. DT-6 use area during 1989.	1988 7,554 (132 horses) Current 132	1. Trend 2. Actual use 3. Climate 4. Utilization 5. Order 3 Soil Surveys 6. Ecological Status 7. Use Patterns 8. Stream Survey 9. Big Game Studies	1. Key management areas selected with ecological condition. 2. One wildlife meadow study implemented. 3. Utilization gathered for total allotment. 4. Use Pattern for total allotment. 5. Trend. 6. Horse Census. 7. Stream Survey	0	0	0	0	Gathered 109 wild horses to approach AML in 1988. CRMP dropped in draft. AMP completed 10/87.
CRMP AMP HMAP	Blue Wing/ C-Punch Corporation, Wesley Cook	I	24,329 21,460 2,869	1987 1,249	24	0	Manage, maintain and improve public rangeland conditions to provide forage on a sustained yield basis with an initial stocking level of 24,329 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 and fair to good on 107,945 acres and from good to excellent on 2,678 acres. Consider increasing existing forage by artificial means wherever appropriate and feasible. Develop CRMP. Develop AMP. Combine this allotment with Seven Troughs Allotment.	1988 70,704 1756 116 burros Current 10-413 B- 94 H- 50 B- 22 H-124 B- 0 H-169 B- 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 701 AUMs for mule deer, 49 AUMs for pronghorn, and 108 AUMs for bighorn sheep, by: a. Improving mule deer habitat condition as follows: 1. From good to excellent: Selente Range DT-1. 2. From fair to good: Nightingale Mts. DT-2 and Shawave Mts. DT-3. b. Maintaining the Lava Beds DT-4 habitat condition at good. Provide water developments for chukar habitat improvement. 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. 1. Terrestrial: will not exceed TERTS established in the Sonoma-Gerlach EIS Table I-3 for key species. 2. Wetland Riparian: shall not exceed SWR for key species. Selente Range and Seven Troughs WMA-T-10 and WMA-T-15 HMP prepared during FY88.	1988 70,704 1756 116 burros Current 10-413 B- 94 H- 50 B- 22 H-124 B- 0 H-169 B- 0	1. Trend 2. Actual use 3. Climate 4. Range Utilization Surveys 5. Ecological Status Inventory 7. Use Patterns	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 (FY87). 9. Horse Census.	31 mi. fence 12 elec. fence 4 each cattle-guard 2 each spring 13 miles pipe-line 3 each well 18 each trough 10,240 acres chukar control 15 each chukar guzzlers (FY87)	59 mi. fence 0 7 0 0 0 0 0 0	Monitoring plan completed and decision to monitor issued as per allotment management plan and CRMP recommendation. Complete AMP and initiate deferred rotation grazing system within the CRMP area. Gathered 1,412 wild horses/burro to approach AMLs in 1985. HMAP completed (FY87). 169 active AUMs increased for Wes Cook from Rodeo Creek Allotment (1983) due to area of use boundary change. CRMP completed (FY86). 999/24 head of horses and burros removed to approach AMLs from Lava Beds, Seven Troughs, Selente Range and Kama Mountains in November/December 1987.		

Table 11
Progress of Program Implementation Sonoma-Gerlach Resource Area

Kind of Plan	Allotment/Operator	DIRECTIVE Management Category	INITIAL Stocking Level 1/ (AUMs)	LIVESTOCK Management Objectives and 1/ Program Implementation Method		WILDLIFE			WILD HORSES AND BURROS		Monitoring Plan Components	Completed Monitoring Actions	NATURAL RESOURCE PROJECTS				Program Implementation Progress
				DEER	ANTelope	BIGHORN Sheep	Management Objectives and 1/ Program Implementation Method	ELITE/Tag Use (AUMs)	Management Objectives and 1/ Program Implementation Method	PLANNED 2/			COMPLETED	Units	Type	Units	
CRMP AMP HMAP	Seven Troughs/ C-Funch Corporation, Dufurra Sheep Co., John Essil DeLong Ranches, Inc. Tim DeLong	I	9,523 4,404 746 3,627 746	Manage, maintain and improve public rangeland conditions to provide forage on a sustained yield basis with an initial stocking level of 9,523 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 and fair to good on 20,353 acres and from good to excellent on 827 acres. Consider increasing existing forage by artificial methods wherever appropriate and feasible. Develop CRMP. Develop AMP. Consider increasing existing forage by artificial methods wherever appropriate and feasible. Combine this allotment with Blue Wing Allotment.	1987 671	1	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 495 AUMs for mule deer, 26 AUMs for pronghorn, by: a. Improving Seven Troughs DS-2 mule deer from good to excellent. b. Maintaining Seven Troughs DS-5 mule deer habitat at good condition. 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. 1. Terrestrial: will not exceed LEVELS Established in the Sonoma-Gerlach EIS Table 1-3 for key species. 2. Wetland Riparian: shall NOT EXCEED 50% for key species. Selenite Range and Seven Troughs WHA-T-10 and WHA-T-15 HMP prepared during F188.	1988 5,304 (793 3,948 147 burros) Current M-237 B-149 W-56 B-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 495 AUMs for mule deer, 26 AUMs for pronghorn, by: a. Improving Seven Troughs DS-2 mule deer from good to excellent. b. Maintaining Seven Troughs DS-5 mule deer habitat at good condition. 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. 1. Terrestrial: will not exceed LEVELS Established in the Sonoma-Gerlach EIS Table 1-3 for key species. 2. Wetland Riparian: shall NOT EXCEED 50% for key species. Selenite Range and Seven Troughs WHA-T-10 and WHA-T-15 HMP prepared during F188.	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. Utilization Transect. 4. Order 3 Soil Surveys. 5. Ecological Status. 6. Use Patterns (total allotment) (one grazing cycle) 7. Actual use (annual) 8. Horse Census.	35 ml. 12 0 2 3 5 8 10 9,400 5	fence elec. w/los spring well pipeline each acres chucker guzzlers	28 ml. 0 0 0 0 0 0 0 0 0 0	fence w/los spring well pipeline cattle- guards troughs chuck control chucker guzzlers	Completed AMP and initiated the deferred rotation grazing system within the CRMP area. Gathered 891 wild horses/burros to approach AMLs in 1988. CRMP complete (F186). 999/24 head of horses and burros removed to approach AMLs from Lava Beds, Seven Troughs, Selenite Range and Kama Mountains in November/December 1987.
AMP	Sonoma/ Piquet Ranches, Inc.	M	1,510	Manage, maintain and improve public rangeland conditions to provide forage on a sustained yield basis with an initial stocking level of 1,510 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 3,310 acres and from good to excellent on 30 acres. Combine with Rock Creek Allotment and consider as one allotment. Review and update AMP. Consider increasing existing forage by artificial methods wherever appropriate and feasible.	1987 52	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 141 AUMs for mule deer, 29 AUMs for bighorn sheep, by: a. Improving or maintaining Sonoma Range DS-5 and DS-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. 1. Terrestrial: will not exceed LEVELS Established in the Sonoma-Gerlach EIS Table 1-3 for key species. 2. Streambank Riparian: shall NOT EXCEED 50% for key species. 3. Wetland Riparian: shall NOT EXCEED 50% for key species. Improve overall aquatic habitat in Sonoma Creek from poor to good. Sonoma Creek HMP prepared during 1985. Incorporate the Sonoma Creek HMP into the Sonoma Range WHA-A/T-5 HMP during F190.	1988 0	Remove all wild horses from checkboard land in accordance with MFP III decision. No horses or burros.	1. Trend 2. Actual use 3. Climate 4. Utilization 5. Use Pattern 6. Order 3 Soil Surveys 7. Ecological Status Inventory	1. Aquatic Studies (4) 2. Trend (1) 3. Utilization (1) 4. Order 3 Soil Surveys 5. Horse Census	6,228 0 0 0 0 0 0 0	plow & acres seed	0 0 0 0 0 0 0 0	Gathered 50 wild horses to attain AML in 1986. Sonoma Creek HMP completed during F185.	
AMP	Rock Creek/ Piquet Ranches, Inc.	M	2,192	Manage, maintain and improve public rangeland conditions to provide forage on a sustained yield basis with an initial stocking level of 2,192 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 1,784 acres and from good to excellent on 319 acres. Combine with Sonoma Allotment and consider as one allotment. Consider increasing existing forage by artificial methods wherever appropriate and feasible. Review and update AMP.	1987 51	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 134 AUMs for mule deer, 43 AUMs for bighorn sheep, by: a. Improving or maintaining Sonoma Range DS-5 and DS-1 habitat to at least good condition. 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.	1988 0	Remove all wild horses from checkboard land in accordance with MFP III decision. No horses or burros.	1. Trend 2. Actual use 3. Climate 4. Utilization 5. Use Pattern 6. Order 3 Soil Surveys 7. Ecological Status Inventory	1. Trend 2. Order 3 Soil Surveys 3. Horse Census 4. Stream Survey	1,284 1,474 0 0	plow & acres seed seeding acres	0 0 0 0	Gathered 101 wild horses to attain AML in 1986.	

Table II
Progress of Program Implementation Sonoma-Gorlach Resource Area

Kind of Plan	Allotment/Operator	LIVESTOCK			WILDLIFE			WILD HORSES AND BURROS		Identified Monitoring Plan Components	Completed Monitoring Actions	RANGIMPROVEMENT PROJECTS COMPLETED		Program Implementation Progress			
		SETTLIVE Management Category	INITIAL Stocking Level 1/ [AUMS]	Management Objectives and 1/ Program Implementation Method	DEER	ANTelope	BIGHORN Sheep	Management Objectives and 1/ Program Implementation Method	EXISTING Use (AUMS)			Management Objectives and 1/ Program Implementation Method	UNITS PLANNED 2/		Type	UNITS COMPLETED	Type
	Rock Creek (Cont.)						1. Terrestrial: will not exceed TWREIS established in the Sonoma-Gorlach EIS Table I-3 for key species. 2. Streambank Riparian: shall NOT EXCEED 50% FOR key species. 3. Wetland Riparian: shall NOT EXCEED 50% FOR key species. Improve Rock Creek overall habitat condition from fair to good. Develop the WMA-A/T-5 RMP during FY90.										
CRMP AMP	Goldbanks/ Roaring Springs, M. J. and J. F. Burke	M	2,051 160 1,891	Manage, maintain and improve public rangeland conditions to provide forage on a sustained yield basis with an initial stocking level of 2,051 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 4,100 acres and from good to excellent on 112 acres. Develop CRMP Plan. Review and update AMP through the Love/lock CRMP. Consider increasing existing forage by artificial methods wherever appropriate and feasible.	1987 172	0	0		1985 0	No horses or burros.	1. Trend 2. Actual use 3. Climate 4. Utilization 5. Use Pattern 6. Order 3 Soil Surveys 7. Ecological Status Inventory	Key management area selection. Allotment Monitoring Plan completed. 1. Trend (4) 2. Utilization (1) A 3. Trend (8) R 4. Order 3 Soil Surveys 5. Use Pattern 6. Ecological Status	6,539 acres 1 1/2 miles 4 each 1 each	plow A seed pipe-line trough spring	0 0 0 0 0	AMP updated to current Bureau standards. Monitoring Plan completed. CRMP Plan completed. All horses removed in 1955 to attain AML.	
							1. Terrestrial: will not exceed TWREIS established in the Sonoma-Gorlach EIS Table I-3 for key species. 2. Wetland Riparian: shall NOT EXCEED 50% FOR key species. Improve or maintain upland aspen habitat to at least good condition. Develop an RMP for WMA-T-9.										
General Land Use Plan	Soldier Meadows/Ken Earp		16,070	Manage, maintain and improve public rangeland conditions to provide forage on a sustained yield basis with an initial stocking level of 16,070 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 9,463 acres and from good to excellent on 2,950 acres. Consider increasing existing forage by artificial methods wherever appropriate and feasible.	1987 1,376	220	0	Manage, maintain and improve public rangeland habitat conditions to provide forage on a sustained yield basis, with an initial forage demand for big game of 756 AUMs for mule deer, 429 AUMs for pronghorn, and 264 AUMs for bighorn sheep, by: a. Improving or maintaining the following mule deer habitat to good condition Black Rock Range DS-2, DS-3 and DS-7; Summit Lake DS-8 and DS-7; Calico Mountains DS-5. b. Improving or maintaining the following pronghorn to at least good condition, Black Rock Range AS-1 and AS-3; Summit Lake AS-2; Calico Mts. AY-1 and Warm Springs Canyon AT-2. Maintain Lahontan Cutthroat Trout habitat in Mahogany Creek at good or better condition. Maintain Lahontan Cutthroat Trout habitat in Sumer Camp Creek in good or better condition. Maintain Desert Dace habitat in at least good condition. Improve overall habitat condition on Slunguillon, Donnelly and Snow Creeks from poor to good condition. 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 RMP, AMP and RMAP.	1988 1,348 (938 horses, 16 burros) Current H-14 B-16 H-133 B- H-291 B- HMA WSP/Spr. Cyn. Black Rock Range- West Calico Mountains	274 10 120 424 0 0 117 1404 0	AMU AMU # AUMS	1. Trend 2. Actual use 3. Climate 4. Utilization 5. Order 3 Soil Surveys 6. Ecological Status Inventory 7. Use Pattern	1. Key management area selection and miles range study implementation completed 4 each on some sites. 2. One meadow study and one mahogany study implemented. 10,003 acres 3. One wildlife use area evaluated. 4. Utilization has been recorded on portions of the allotment. 5. Use Pattern Mapping has been recorded on portions of the allotment. 6. Stream Survey 7. Horse Census	46 4 each 10,003 seed	fence cattle-guard plow A seed	0 4 each 0 0	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. RMP on desert sage completed during FY84. Completed stream RMPs for Sumer Camp Creek and Mahogany Creek. January 1988 there were 267 head of horses removed to approach AML from Warm Springs Canyon and 237 head of horses removed from the Black Rock Range-West.

11. Priority Planning Efforts

This section of the table addresses those allotments that have a high priority for development of intensive grazing management and monitoring plans. Future emphasis in specific allotment management plans will be placed on these allotments within the resource area.

General Land Use Plan
Soldier Meadows/Ken Earp

16,070
Manage, maintain and improve public rangeland conditions to provide forage on a sustained yield basis with an initial stocking level of 16,070 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 9,463 acres and from good to excellent on 2,950 acres.
Consider increasing existing forage by artificial methods wherever appropriate and feasible.

1987
1,376

220

0

Manage, maintain and improve public rangeland habitat conditions to provide forage on a sustained yield basis, with an initial forage demand for big game of 756 AUMs for mule deer, 429 AUMs for pronghorn, and 264 AUMs for bighorn sheep, by:
a. Improving or maintaining the following mule deer habitat to good condition Black Rock Range DS-2, DS-3 and DS-7; Summit Lake DS-8 and DS-7; Calico Mountains DS-5.
b. Improving or maintaining the following pronghorn to at least good condition, Black Rock Range AS-1 and AS-3; Summit Lake AS-2; Calico Mts. AY-1 and Warm Springs Canyon AT-2.
Maintain Lahontan Cutthroat Trout habitat in Mahogany Creek at good or better condition.
Maintain Lahontan Cutthroat Trout habitat in Sumer Camp Creek in good or better condition.
Maintain Desert Dace habitat in at least good condition.
Improve overall habitat condition on Slunguillon, Donnelly and Snow Creeks from poor to good condition.
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 RMP, AMP and RMAP.

1988
1,348
(938 horses,
16 burros)
Current
H-14
B-16
H-133
B-
H-291
B-
HMA
WSP/Spr. Cyn.
Black Rock Range-
West
Calico Mountains

274
10
120
424
0
0
117
1404
0
AMU
AMU
AUMS

1. Trend
2. Actual use
3. Climate
4. Utilization
5. Order 3 Soil Surveys
6. Ecological Status Inventory
7. Use Pattern
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. Key management area selection and miles range study implementation completed 4 each on some sites.
2. One meadow study and one mahogany study implemented. 10,003 acres
3. One wildlife use area evaluated.
4. Utilization has been recorded on portions of the allotment.
5. Use Pattern Mapping has been recorded on portions of the allotment.
6. Stream Survey
7. Horse Census

46
4 each
10,003
seed

fence
cattle-guard
plow A
seed

0
4 each
0
0

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.
RMP on desert sage completed during FY84.
Completed stream RMPs for Sumer Camp Creek and Mahogany Creek.
January 1988 there were 267 head of horses removed to approach AML from Warm Springs Canyon and 237 head of horses removed from the Black Rock Range-West.

Progress of Program Implementation Sonoma-Gerlach Resource Area

Kind of Plan	Allotment/Operator	SELECTIVE Management Category	INITIAL Stocking Level 1/ (AUMS)	LIVESTOCK Management Objectives and 1/ Program Implementation Method	WILDLIFE			Management Objectives and 1/ Program Implementation Method	LIVESTOCK Use (AUMS)	WILD HORSES AND BURROS Management Objectives and 1/ Program Implementation Method	SELECTIVE Monitoring Plan Components	Completed Monitoring Actions	RANGE IMPROVEMENT PROJECTS				Program Implementation Progress
					DEER	ANTelope	BIGHORN Sheep						PLANNED 2/	COMPLETED	Units	Type	
Soldier Meadows (Cont.)																	
General Land Use Plan	Dolly Hayden/ Connecticut General	I	1,669 (3,338) 1,669	Manage, maintain and improve public rangeland conditions to provide forage on a sustained yield basis with an initial stocking level of 3,338 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 7,281 acres and from good to excellent on 457 acres. Consider increasing existing forage by artificial methods wherever appropriate and feasible. Develop AMP.	1987 712	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 48 AUMS for mule deer, and 18 AUMS for bighorn sheep, by: <ol style="list-style-type: none"> Improving or maintaining the following mule deer habitat in at least good condition, East Range D1-3 and D5-3. 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. <ol style="list-style-type: none"> Terrestrial: will not exceed LEVELS established in the Sonoma-Gerlach EIS Table 1-3 for key species. Wetland Riparian: shall not exceed SDX for key species. Develop an HMP for WMA-T-6.	1988 0	Remove all wild horses from checkerboard land in accordance with HMP 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 Pattern	1. Order 3 Soil Surveys 2. Ecological Status 3. Horse Census 5. Order 3 Soil Surveys 6. Ecological Status Inventory 7. Use Pattern	2,102 acres 960 acres 6 miles	reseed plow & seed fence	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).
General Land Use Plan	Rodeo Creek/ W. J. Ceresola Estate	I	8,462	Manage, maintain and improve public rangeland conditions to provide forage on a sustained yield basis with an initial stocking level of 8,462 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 and fair to good on 13,634 acres and good to excellent on 166 acres. Consider increasing existing forage by artificial methods wherever appropriate and feasible. Develop AMP.	1987 750	76	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 177 AUMS for mule deer, 137 AUMS for pronghorn and 150 AUMS for bighorn sheep, by: <ol style="list-style-type: none"> Improving or maintaining the following mule deer habitat in at least good condition. Improving and maintaining Fox Range A1-5 pronghorn 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. <ol style="list-style-type: none"> Terrestrial: will not exceed LEVELS established in the Sonoma-Gerlach EIS Table 1-3 for key species. Wetland Riparian: shall not exceed SDX for key species. Develop an HMP for WMA-T-13.	1988 6,770 (545 horses) Current 535	Manage, maintain and improve public rangeland conditions to provide an initial level of 4,070 AUMS of forage on a sustained yield basis for 335 (AMLS) 5/ wild horses in the Fox and Lake Range 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-ranging 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. Use Pattern 6. Order 3 Soil Surveys 7. Ecological Status Inventory	1. Key management areas have been partially completed. 2. Partial Trend 3. Utilization 30 miles 4. Horse Census 4 each well 8 each trough	brush control & seed fence 0 0 0	0 0 0 0	Gathered 345 wild horses to approach AML in 1986. Decreased 169 AUMS as a result of correcting Wes Cook's area of use.		
General Land Use Plan	Clear Creek/ Connecticut General Land Roaring Springs Associates	I	(1,603) 2,037 1,233 370	Manage, maintain and improve public rangeland conditions to provide forage on a sustained yield basis with an initial stocking level of 2,037 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 6,417 acres and from good to excellent on 186 acres. Consider increasing existing forage by artificial methods wherever appropriate and feasible. Develop AMP.	1987 55	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 176 AUMS for mule deer and 150 AUMS for bighorn sheep, by: <ol style="list-style-type: none"> Improving or maintaining the following mule deer habitat to at least good condition in Sonoma Range D5-5 and D6-1. Improve the overall habitat condition of Clear Creek from fair to good. Protect Pedicactus simpsonii V.P. FODDIER in accordance with HPS S27. Wildlife habitat management objectives for vegetation utilization shall be as follows except where adjusted by an approved HMP. 	1988 0	Remove all wild horses from checkerboard land in accordance with HMP 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 Pattern 8. Aquatic habitat	1. Order 3 Soil Surveys. 2. Ecological Status Inventory partially completed. 3. Utilization (2) 1 each 4. Trend (1) 5. Stream Survey 6. Horse census	10,664 acres 7 miles 1 each 1300 acres seeded	plow & seed fence cattle-guard	0 0 0	0 0 0	Gathered 16 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). 355 livestock AUMS suspended due to fire (1985).

Table II
Progress of Program Implementation Sonoma-Gerlach Resource Area

Kind of Plan	Allotment/Operator	SELECTIVE Management Category	INITIAL Stocking Level 1/ (AUMS)	LIVESTOCK			WILDLIFE			EXISTING Use (AUMS)	WILD HORSES AND BURROS Management Objectives and 1/ Program Implementation Method	LITERATURE monitoring Plan Components	Completed Monitoring Actions	RANGE IMPROVEMENT PROJECTS PLANNED 2/		COMPLETED		Program Implementation Progress
				Management Objectives and 1/ Method	User	ARCTIC/Sheep	Bighorn	Sheep	Management Objectives and 1/ Program Implementation Method					Units	Type	Units	Type	
Clear Creek (Cont.)																		
III. Future Planning Efforts																		
This section of the table addresses those allotments that have a lower priority within the resource area for development of grazing management plans. This includes those allotments where current management practices may be satisfactory or where only minor changes are necessary. Monitoring plans and new management plans or changes in current management will be less intensive. Completion of range improvements to implement these plans will depend primarily upon private contributions.																		
AMP	Melody/ John Aitken	N	1,020	Manage, maintain and improve public rangeland conditions to provide forage on a sustained yield basis with an initial stocking level of 1,020 AUMs. Maintain an acceptable allowable use level on key forage species 5/ that will provide a sustained yield. Review and update AMP.	0	0	0		1958 D	No horses or burros.	1. Trend 2. Actual use 3. Climate 4. Utilization 5. Order 3 Soil Surveys 6. Ecological Status 7. Use patterns	1. Order 3 Soil Surveys 2. Use Patterns		0	0			
Grazing System	Harmony/ Padroll Estate Sys- John Aitken	N	348 195 189	Manage, maintain and improve public rangeland conditions to provide forage on a sustained yield basis with an initial stocking level of 348 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 123 acres and from fair to good on 220 acres and good to excellent on 102 acres. Consider increasing existing forage by artificial methods wherever appropriate and feasible. Develop AMP.	1987 36	0	0		1958 D	Remove all wild horses from checkerboard land in accordance with NRP III decision.	1. Actual use 2. Climate 3. Utilization 4. Order 3 Soil Surveys 5. Ecological Status 6. Use Pattern	1. Order 3 Soil Surveys 2. Horse Census	3,174 acres	plow & seed	0	0		Gathered 70 wild horses to attain AML in 1958.
AMP	Coyote/ Doane Western Co. Wes Cook	N	3,051 2,734 317	Manage, maintain and improve public rangeland conditions to provide forage on a sustained yield basis with an initial stocking level of 3,051 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 and fair to good on 4,725 acres and from good to excellent on 300 acres. Consider increasing existing forage by artificial methods wherever appropriate and feasible. Review and update AMP.	1957 30	262	0		1958 216 (18 horses)	No horses or burros.	1. Trend 2. Actual use 3. Climate 4. Utilization 5. Order 3 Soil Surveys 6. Use Pattern 7. Ecological Status Inventory	1. Preliminary selection of key management areas completed. 2. Preliminary range study implementation completed. 3. Horse Census 4. Order 3 Soil Surveys	4,204 acres	sign- brush control & seed	0	0		CRMP dropped in Draft.

Table 11

Progress of Program Implementation Sonoma-Gerlach Resource Area

Kind of Plan	Allotment/Operator	LIVESTOCK				WILDLIFE			WILD HORSES AND BURROS		Identified Monitoring Plan Components	Completed Monitoring Actions	RANGE IMPROVEMENT PROJECTS				Program Implementation Progress
		SWRPTIVE Management Category	INTENSIVE Stocking Level 1/ (AUMs)	Management Objectives and 1/ Program Implementation Method	EXISTING USE (AUMs)	EXISTING USE (AUMs)	EXISTING USE (AUMs)	Management Objectives and 1/ Program Implementation Method	EXISTING Use (AUMs)	Management Objectives and 1/ Program Implementation Method			PLANNED 2/	COMPLETED	Units	Type	
	Coyote (Cont.)																
AMP	Rye Patch/ RJB Development Co. Star Sheep Co.	M	1,981 1,916 165	Manage, maintain and improve public rangeland conditions to provide forage on a sustained yield basis with an initial stocking level of 1,981 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 4,096 acres and from good to excellent 2/3 acres. Review and update AMP.	1987 30	262	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 66 AUMs for mule deer and 24 AUMs for bighorn sheep, by: a. Improving or maintaining mule deer habitat condition in the Humboldt Range D1-2 use areas to at least good condition. Improve the overall habitat condition of Ruby Canyon Creek from fair to good. Wildlife habitat management objectives for vegetation utilization shall be as follows except where adjusted by an approved HMP, AMP and RMAP. 1. Terrestrial: will not exceed TERVIL established in the Sonoma-Gerlach EIS Table 1-3 for key species. 2. Wetland Riparian: shall not exceed 50% for key species. Develop the Fox Mtn. WMA-A/T-1 HMP during FR88.	1988 0	Remove all wild horses from checkerboard land in accordance with HMP III decision.	1. Trend 2. Actual use 3. Utilization 4. Order 3 Soil Surveys 5. Ecological Status Inventory 6. Use Patterns	1. Order 3 Soil Surveys 2. Ecological Status (Partial) 3. Horse Census 4. Selection of key management areas completed on some sites.					Gathered 90 wild horses in 1985 to approach AML. 30 head of horses removed December 1987 to attain AML.
	Rye Patch (Cont.)																
AMP	Leadville/ Doane Western Co.	M	2,567	Manage, maintain and improve public rangeland conditions to provide forage on a sustained yield basis with an initial stocking level of 2,567 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 and fair to good on 5,711 acres and from good to excellent on 437 acres. Consider increasing existing forage by artificial methods wherever appropriate and feasible. Review and update AMP.	1987 222	43	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 35 AUMs for mule deer, 411 AUMs for pronghorn, and 7 AUMs for bighorn sheep, by: a. Maintaining mule deer habitat in Hog Ranch Mtn. DS-6 and E. Granites DW-6 in good condition. b. Improving pronghorn habitat in Swingle AM-6 to good condition. 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 RMAP. 1. Terrestrial: will not exceed TERVIL established in the Sonoma-Gerlach EIS Table 1-3 for key species. 2. Wetland Riparian: shall not exceed 50% for key species. Develop the Fox Mtn. WMA-A/T-1 HMP during FR88.	1988 4,350 (405 horses) Current 105	Manage, maintain and improve public rangeland conditions to provide an initial level of 2,976 AUMs of forage on a sustained yield basis for 240 (AMLs) of wild horses in the Calico Mountains Herd Use Area. Manage wild horse/burro habitat to improve range/ecological condition 4/ as listed under livestock objectives. Maintain an acceptable allowable 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 Surveys 6. Ecological Status Inventory 7. Use Patterns	1. Selection of key 6,054 management areas completed. 2. Use Pattern completed twice for allotment. 3. Utilization of key areas done twice. 4. Order 3 Soil Surveys 5. Horse Census	0	0	Gathered 120 wild horses in 1985 to approach AML.		

Table 11
Progress of Program Implementation Sonoma-Gerlach Resource Area

Kind of Plan	Allotment/Operator	DEFLECTIVE Management Category	LIVESTOCK		WILDLIFE			Management Objectives and 1/ Program Implementation Method	WILD HORSES AND BURROS		Monitoring Plan Components	Completed Monitoring Actions	RANGE IMPROVEMENT PROJECTS PLANNED 2/		COMPLETED		Program Implementation Progress
			INITIAL Stocking Level 1/ (AUMs)	Management Objectives and 1/ Program Implementation Method	EXISTING USE (AUMs)	DEER	ANTelope		BIGHORN Sheep	EXISTING Use (AUMs)			Management Objectives and 1/ Program Implementation Method	Units	Type	Units	
ANP	Coal Canyon-Poker/ Star Sheep Co., Abigail Duncan, Bingo Wesner	M	3,144 492 2,580 64	Manage, maintain and improve public rangeland conditions to provide forage on a sustained yield basis with an initial stocking level of 2,587 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 13,082 acres and from fair to good on 4,213 acres and from good to excellent on 117 acres. Review and update allotment management plan. Consider increasing existing forage by artificial methods wherever appropriate and feasible.	1987 72	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 97 AUMs for mule deer, 1 AUM for pronghorn, and 31 AUMs for bighorn sheep, by: a. Improving or maintaining the condition of mule deer habitats in Humboldt Range DT-2 and DS-2; West Humboldt DT-3 and Trinity Range DT-8 in at least good condition. Protect sage grouse strutting and nesting habitats, and improve brooding habitats. Wildlife habitat management objectives for vegetation utilization shall be as follows except where adjusted by an approved NMP, ANP and HMAP. 1. Terrestrial: will not exceed TERVETS established in the Sonoma-Gerlach EIS Table 1-3 for key species. 2. Wetland Riparian: shall not exceed 50% for key species. Develop the Humboldt Range WMA-A/T-1 NMP during FY92.	1988 0	Remove all wild horses from checkerboard land in accordance with NMP III decision.	1. Actual Use Surveys 2. Climate 3. Utilization 4. Order 3 Soil Surveys 5. Ecological Status Inventory 6. Use Patterns	1. Order 3 Soil Surveys 2. Ecological Status (Partial) 3. Horse Census	1 each well 2 each trough 1,915 acres pine & seed	0 0 0	0 0 0	Gathered 410 wild horses in 1985 to approach AML. 41 head of horses retained December 1987 to attain AML.	
ANP	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 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 1,054 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 ANP as needed through Battle Mountain District.	1987 825	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 381 AUMs for mule deer and 135 AUMs for bighorn sheep, by: a. Improving or maintaining the condition of mule deer habitats in Stillwater Range DT-3 and Tobin Range DT-4 and DS-4 to at least good condition. b. Improving bighorn sheep habitat in Tobin Range BT-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 NMP, ANP and HMAP. 1. Terrestrial: will not exceed TERVETS established in the Sonoma-Gerlach EIS Table 1-3 for key species. 2. Wetland Riparian: shall not exceed 50% for key species. The NMP for the Stillwater Range WMA-T-16 was developed during FY86. Develop an NMP for WMA-T-8 Tobin Range in cooperation with WYDOD.	1988 174 (12 horses) Current 5 6	Manage, maintain and improve public rangeland conditions to provide 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: WMA APL 3 AUMS 17 228 16 192 Manage wild horse/burro habitats 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.	1. Actual Use Surveys 2. Climate 3. Utilization 4. Order 3 Soil Surveys 5. Ecological Status Inventory 6. Use Patterns	1. Order 3 Soil Surveys 2. Ecological Status 3. Horse Census	0 0 0 0 0	31 mi. fence 1 1/2 miles pipe-line 1,300 ac seeded 3.0 mi. fence*	0 0 0 0	HMP completed FY86. 90 livestock AUMs suspended due to fire (1985).	
General Plan	Pleasant Valley/ Paris Bros., John Darrach, Slard Bros., 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 19,978 acres and from good to excellent on 1,047 acres.	1987 302	0	134	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 354 AUMs for mule deer and 97 AUMs for bighorn sheep, by: a. Improving or maintaining the following mule deer habitats in at least good condition. East Range DT-3, Stillwater Range DT-3, Tobin Range DT-4, East Range DS-3, and Tobin Range DS-4. b. Improving and maintaining bighorn sheep habitats in East Range DT-1 and Tobin Range BT-2 at 80% of optimum. Improve the overall habitat condition of Butte and Golconda Canyon Creeks from poor to good, and Hoffman Canyon Creek from fair to good. Wildlife habitat management objectives for vegetation utilization shall be as follows except where adjusted by an approved NMP, ANP and HMAP.	1988 77 (6 horses)	Remove all wild horses from checkerboard land in accordance with NMP III decision. No horses or burros.	1. Order 3 Soil Surveys 2. Ecological Status Inventory 3. Use Patterns 4. Climate (RAMS) 5. Utilization 6. Actual Use	1. Order 3 Soil Surveys 2. Ecological Status 3. Horse Census	22 mi. fence 1 each well 2 each trough 1 each corral	0 0 0 0	Gathered 280 wild horses in 1986 to approach AML. Bighorn sheep reestablished (1984).		
South Buffalo Valley (Cont.)																	

Table II
Progress of Program Implementation Sonoma-Gerlach Resource Area

Kind of Plan	Allotment/Operator	Objective Management Category	Initial Stocking Level 1/ (AUMs)	LIVESTOCK Management Objectives and 1/ Program Implementation Method	WILDLIFE			Management Objectives and 1/ Program Implementation Method	WILD HORSES AND BURROS Management Objectives and 1/ Program Implementation Method	Identified Monitoring Plan Components	Completed Monitoring Actions	RANGE IMPROVEMENT PROJECTS		Program Implementation Progress		
					EXISTING USE (AUMs)	Antelope	Sightings					Sheep	PLANNED 2/		COMPLETED	
					Units							Units	Type	Units	Type	
Pleasant Valley (Cont.)																
General Land Use Plan	Star Peak/ Gene Thacker, Star Sheep Co., Paul Knapp, Unallocated	C	3,722 261 2,426 585 650	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 14,955 acres and from good to excellent on 1,047 acres. Consider increasing existing forage by artificial methods whenever appropriate and feasible.	1987 773	0	0	1. Terrestrial: will not exceed levels established in the Sonoma-Gerlach EIS Table I-3 for key species. 2. Streambank Riparian: shall not exceed 50% for key species. 3. Wetland Riparian: shall not exceed 50% for key species. The HMP for the Stillwater Range WMA-T-16 was developed during FY86. Develop an HMP for WMA-T-8 Tobin Range in cooperation with NVDWG.	1988 D	Remove all wild horses from checkerboard land in accordance with MFP III decision. No horses or burros.	1. Actual Use Surveys 2. Climate 3. Utilization 4. Order 3 Soil Surveys 5. Ecological Status Inventory 6. Use Patterns	1. Order 3 Soil Surveys 2. Horse Census 3. Stream Survey	26 w/ fence 2 w/ pipe-line	0 0	0 0	Gathered 71 wild horses to attain AML in 1985. 263 livestock AUMs suspended due to fire (1985).
General Land Use Plan	Majuba/ Lane Duncan Tim DeLong	C	852 852 Exchange of Use	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 4/ from poor to fair 2,817 acres and from fair to good on 16,053 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.	1987 771	25	0	1. Terrestrial: will not exceed levels established in the Sonoma-Gerlach EIS Table I-3 for key species. 2. Streambank Riparian: shall not exceed 50% for key species. 3. Wetland Riparian: shall not exceed 50% for key species. Develop HMP for Humboldt Range WMA-T-11 during FY86.	1988 D	Remove all wild horses from checkerboard land in accordance with MFP III decision. No horses or burros.	1. Actual Use Surveys 2. Climate 3. Utilization 4. Order 3 Soil Surveys 5. Ecological Status Inventory 6. Use Patterns	1. Order 3 Soil Surveys 2. Ecological Status (Partial) 3. Horse Census	17 w/ 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).
General Land Use Plan	Puepernickel/ Hugh A. Tipton G&S Cattle Co. Piquet Ranches, Inc. Roaring Springs Associates	C	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 15,497 acres and from good to excellent on 950 acres.	1987 741	0	0	1. Terrestrial: will not exceed levels established in the Sonoma-Gerlach EIS Table I-3 for key species. 2. Wetland Riparian: shall not exceed 50% for key species. Develop the HMP for WMA-T-14.	1988 D	Remove all wild horses from checkerboard land in accordance with MFP III decision. No horses or burros.	1. Actual Use Surveys 2. Climate 3. Utilization 4. Order 3 Soil Surveys 5. Ecological Status Inventory 6. Use Patterns	1. Order 3 Soil Surveys 2. Ecological Status	10 w/ fence 3 miles fence*	0 0	0 0	92 livestock AUMs suspended due to fire (1985). 600 ac. seeded*

Table II
Progress of Program Implementation Sonoma-Gerlach Resource Area

Kind of Plan	Allotment/Operator	LIVESTOCK Management Category	LIVESTOCK Stocking Level 1/ (AUMS)	Management Objectives and 1/ Program Implementation Method	WILDLIFE			Management Objectives and 1/ Program Implementation Method	MILD HORSES AND BURROS		Permitted Monitoring Plan Components	Completed Monitoring Actions	RANGE IMPROVEMENT PROJECTS PLANNED 2/		COMPLETED		Program Implementation Progress	
					DEER	ANTelope	SHEEP		Units	Type			Units	Type				
Pumpnickel (Cont.)																		
General Land Use Plan	Desert Queen/ W. J. Ceresola Estate, Safford and Safford	C	3,355 3,277 78	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 and fair to good on 14,319 acres and from good to excellent on 950 acres.	1987 D	0	0	1. Terrestrial: will not exceed levels established in the Sonoma-Gerlach EIS Table 1-3 for key species. 2. Wetland Riparian: shall not exceed 50% for key species. Develop an HMP for the Tobin Range WMA-T-8 in cooperation with NYOAG. Protect habitat for Bryces newadensis, a plant recognized as threatened.	1985 D	Remove all wild horses from checkerboard land in accordance with NFP III decision. No horses or burros.	1. Actual Use 2. Climate 3. Utilization 4. Order 3 Soil Surveys 5. Ecological Status Inventory 6. Use Patterns	1. One Trend plot 2. Horse Census 3. Order 3 Soil Surveys	11 mt. 6 each 12 each	fence well trough	11 mt. 0 0	fence 0 0	69 head of horses and 1 mul-rained December 1987 to attain AML.	
General Land Use Plan	White Horse/ Humboldt Ranches Inc.	C	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 on 1,898 acres and from fair to good on 1,307 acres and good to excellent on 29 acres. Consider increasing existing forage by artificial methods wherever appropriate and feasible.	1987 35	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 28 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 DT-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 RNAP.	1985 D	Remove all wild horses from checkerboard land in accordance with NFP III decision. No horses or burros.	1. Trend 2. Actual use 3. Climate 4. Utilization 5. Order 3 Soil Surveys 6. Use Pattern 7. Ecological Status Inventory	1. Order 3 Soil Surveys 2. CSA (I) 3. Horse Census	1,207 acres 3 miles 1 each 2 each	plow & seed fence well trough	0 0 0 0	0 0 0 750 acres seeded* 5 miles fence*	Gathered 11 wild horses in 1986 to attain AML. 31 livestock AUMS suspended due to fire (1985).	
White Horse (Cont.)																		
General Land Use Plan	Kloniker/ 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 5/ 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.	1987 36	0	0	1. Terrestrial: will not exceed levels established in the Sonoma-Gerlach EIS Table 1-3 for key species. 2. Wetland Riparian: shall not exceed 50% for key species. Develop an HMP for WMA-A/T-5 during FY90. 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 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 DT-3 and DS-3. Wildlife habitat management objectives for vegetation utilization shall be as follows except where adjusted by an approved HMP, AMP and RNAP. 1. Terrestrial: will not exceed levels established in the Sonoma-Gerlach EIS Table 1-3 for key species. 2. Wetland Riparian: shall not exceed 50% for key species. Develop an HMP for the East Range WMA-T-9.	1988 D	Remove all wild horses from checkerboard land in accordance with NFP III decision. No horses or burros.	1. Actual use 2. Climate 3. Utilization 4. Order 3 Soil Surveys 5. Use Pattern 6. Ecological Status Inventory	1. Order 3 Soil Surveys 2. Ecological Status (Partial) 3. Horse Census	9 miles 7 each 1 1/2 miles 1 each	fence cattle-guard pipeline trough	0 0 0 0	0 0 0 0	Gathered 129 wild horses in 1986 to attain AML.	

Table II
Progress of Program Implementation Sonoma-Gerlach Resource Area

Kind of Plan	Allotment/Operator	STRUCTURE Management Category	LIVESTOCK		WILDLIFE			WILD HORSES AND BURROS		IDENTIFIED Monitoring Plan Components	Completed Monitoring Actions	RANGE IMPROVEMENT PROJECTS		Program Implementation Progress		
			INITIAL Stocking Level 1/ (AUMs)	Management Objectives and 1/ Program Implementation Method	DEER	ANTelope	BIGHORN Sheep	Management Objectives and 1/ Program Implementation Method	EXISTING Use (AUMs)			Management Objectives and 1/ Program Implementation Method	PLANNED 2/		COMPLETED	
General Land Use Plan	South Rochester/Star Sheep Co., Paris Bros., Spring Valley Cattle Co., Don Sims	C	3,964 1,400 1,386 778	Manage, maintain and improve public rangeland conditions to provide forage on a sustained yield basis with an initial stocking level of 3,964 AUMs. Maintain an acceptable allowable use level on key forage species 3/ that will provide a sustained yield. Improve range/ecological condition 4/ from poor to fair on 19,747 acres and from fair to good on 6,711 acres.	1987 74	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 45 AUMs for mule deer and 15 AUMs for bighorn sheep, by: a. Improving or maintaining the following mule deer habitats to at least good condition in Ragged Top DT-1, West Humboldt DT-1, Stillwater Range DT-3, Humboldt Range DT-2, Wildlife habitat management objectives for vegetation utilization shall be as follows except where adjusted by an approved RMP, AMP and HMAP. 1. Terrestrial: will not exceed LEVELS established in the Sonoma-Gerlach EIS Table I-3 for key species. 2. Wetland Riparian: shall not exceed SDU for key species. The RMP for Stillwater Range WMA-T-16 was developed during FY86.	1985 7,200 (125 horses) Current 725	Manage, maintain and improve public rangeland conditions to provide an initial level of 432 AUMs for forage on a sustained yield basis for 36 (AHLs) 6/ wild horses in the North Stillwater 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. Actual use Surveys 2. Order 3 Soil Surveys 2. Ecological Status (Partial) 3. Use Pattern 4. Ecological Status Inventory 3. Horse Census	1. Order 3 Soil Surveys 2. Ecological Status (Partial) 3. Horse Census	16 mi fence 2 each cattle-guard well pipeline trough spring dev.	0 0 0 0	0 0 0 0	Gathered 129 wild horses from checkerboard lands in 1985 to attain AHL in the Humboldt Range WA.
General Land Use Plan	Rawhide/Spring Valley Cattle Co., John Darrah, Paris Bros.	C	2,721 2,139 220 362	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.	1987 138	0	120	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 84 AUMs for mule deer and 46 AUMs for bighorn sheep, by: a. Improving or maintaining the following mule deer habitats to at least good condition in Humboldt Range DT-2, East Range DT-3, Stillwater Range DT-3. b. Improve and maintain the condition of East Range DT-1 bighorn habitat to 80% of optimum. Improve and maintain upland aspen clones to at least good condition. Protect sage grouse nesting and nesting habitats and improve brooding habitat. Wildlife habitat management objectives for vegetation utilization shall be as follows except where adjusted by an approved RMP, AMP and HMAP. 1. Terrestrial: will not exceed LEVELS established in the Sonoma-Gerlach EIS Table I-3 for key species. 2. Wetland Riparian: shall not exceed SDU for key species. RMP for WMA-T-16, Stillwater Range was prepared during FY86. Develop East Range WMA-T-9 HMP.	1988 0	Remove all wild horses from checkerboard land in accordance with RMP III decisions. No horses or burros.	1. Actual use Surveys 2. Climate 3. Utilization 4. Order 3 Soil Surveys 5. Use Pattern 6. Ecological Status Inventory	1. Order 3 Soil Surveys 2. Ecological Status (Partial) 3. Horse Census	11 miles fence 2 each cattle guard	0 0 0 0	0 0 0 0	Gathered 52 wild horses in 1986 to attain AHL. Bighorn sheep reintroduced (1984).

Table II
Progress of Program Implementation Sonoma-Gerlach Resource Area

Kind of Plan	Allotment/Operator	SWR/ESTIMATE Management Category	INITIAL Stocking Level (AUMs)	LIVESTOCK Management Objectives and 1/ Program Implementation Method	EXISTING Use (AUMs)			WILDLIFE Management Objectives and 1/ Program Implementation Method	EXISTING Use (AUMs)	WILD HORSES AND BURROS Management Objectives and 1/ Program Implementation Method	IDENTIFIED Monitoring Plan Components	Completed Monitoring Actions	RANGE IMPROVEMENT PROJECTS				Program Implementation Progress
					DEER	ANTelope	BIGHORN Sheep						Units	Type	Units	Type	
General Land Use Plan	Diamond S/ Nevada First Lease to Jack Fulemelder	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.	1987 43	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 125 AUMs for mule deer and 28 AUMs for bighorn sheep, by: 1. Improving or maintaining the following mule deer habitats 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, AMP and HMAP. 1. Terrestrial: will not exceed levels established in the Sonoma-Gerlach EIS Table 1-3 for key species. 2. Wetland Riparian: shall not exceed SDUs for key species. Develop an HMP for WHA-T-5, Sonoma Range, during FY90.	1985 0	Remove all wild 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. Use Pattern 6. Ecological Status Inventory	1. Order 3 Soil Surveys 2. Ecological Status 3. Horse Census	1,920 acres 1,036 6 sq. ft.	plow & seed reseed fence	0 0 0	0 0 0	Gathered 168 wild horses in 1986 to attain AML.
General Land Use Plan	Thomas Creek/ Ester Westmoreland Carley Ams, Ralph and Julia Aitken	C	629 97 264 268	Manage, maintain and improve public rangeland conditions to provide forage on a sustained yield basis with an initial stocking level of 629 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 2,542 acres and from good to excellent on 21 acres. Consider increasing existing forage by artificial methods wherever appropriate and feasible.	1987 43	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: 1. Improving or maintaining the following mule deer habitats 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, AMP and HMAP. 1. Terrestrial: will not exceed levels established in the Sonoma-Gerlach EIS Table 1-3 for key species. 2. Wetland Riparian: shall not exceed SDUs for key species. Develop an HMP for WHA-T-5, Sonoma Range, during FY90.	1985 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 (2) 3. Horse Census 4. Stream Survey	1,250 acres	plow & seed	0 0	0 5.5 mi. fence*	Gathered 33 wild horses in 1986 to attain AML. 184 livestock AUMs suspended due to fire (1985).
Thomas Creek (Cont.)																	
General Land Use Plan	Prince Royal/ Star Sheep Co., John Thacker	C	155 97 56	Manage, maintain and improve public rangeland conditions to provide forage on a sustained yield basis with an initial stocking level of 155 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.	1987 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 15 AUMs for bighorn sheep, by: 1. Improving or maintaining the following mule deer habitats in Humboldt Range DR-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 HMAP. 1. Terrestrial: will not exceed levels established in the Sonoma-Gerlach EIS Table 1-3 for key species. 2. Wetland Riparian: shall not exceed SDUs for key species. Develop an HMP for WHA-T-11, Humboldt Range, during FY88.	1985 0	Remove all wild horses from checkerboard land in accordance with MFP III decisions. No horses or burros.	1. Actual use 2. Climate 3. Order 3 Soil Surveys 4. Ecological Status Inventory	1. Order 3 Soil Surveys 2. Horse Census	2,491 acres	plow & seed	0 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	SPECIALTY Management Category	LIVESTOCK		WILDLIFE		Management Objectives and I/ Program Implementation Method	WILD HORSES AND BURROS	IDENTIFIED Monitoring Plan Components	Completed Monitoring Actions	RANGE IMPROVEMENT PROJECTS		Program Implementation Progress		
			INITIAL Stocking Level I/ (AUMs)	Management Objectives and I/ Program Implementation Method	EXISTING Use (AUMs)	Deer					Antelope	Bighorn Sheep		PLANNED I/	COMPLETED
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.	1987 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 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 D1-1 to at least good condition. b. Improving and maintaining the Fox Range AT-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. 1. Terrestrial: will not exceed levels established in the Sonoma-Gerlach EIS Table I-3 for key species. 2. Wetland Riparian: shall not exceed 50% for key species. Develop an HMP for WMA-T-13, Pan Run.	1985 754 (83 horses) Current 63	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	6 mi. fence 2 mi. pipeline 4 each troughs 1 each spring	0 0 0 0	0 0 0 0	Gathered 133 wild horses in 1986 to attain AML.
General Land Use Plan	Ragged Top/Star Sheep Company 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 and fair to good on 6,316 acres and from good to excellent on 517 acres.	1987 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 D1-8 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 HWAP. 1. Terrestrial: will not exceed levels established in the Sonoma-Gerlach EIS Table I-3 for key species. 2. Wetland Riparian: shall not exceed 50% for key species. Update the HMP for Seven Troughs WMA-T-15 during FY92.	1988 0	1. Actual use 2. Climate 3. Utilization 4. Order 3 Soil Surveys 5. Use Pattern 6. Ecological Status Inventory	1. Order 3 Soil Surveys 2. Horse Census	12 mi fence 1 each cattleguard 2 each well 4 each 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.
General Land Use Plan	Humboldt House/Jim Shontz, Star Sheep Co.	C	727 620 107	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 36 acres.	1987 710	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 habitats to at least good condition in Humboldt Range D1-2 and D5-1. Wildlife habitat management objectives for vegetation utilization shall be as follows except where adjusted by an approved HMP, AMP and HWAP. 1. Terrestrial: will not exceed levels established in the Sonoma-Gerlach EIS Table I-3 for key species. 2. Wetland Riparian: shall not exceed 50% for key species. Develop the HMP for Humboldt Range WMA-T-11 during FY88.	1988 0	1. Actual use 2. Climate 3. Utilization 4. Order 3 Soil Surveys 5. Ecological Status Inventory 6. Use Patterns	1. Preliminary range study implementation completed on some sites. (Utilization Plots) 2. Order 3 Soil Surveys 3. Ecological Status (Partial) 4. Horse Census	0 0 0 0	0 0 0 0	Decision to monitor and, if necessary, make adjustments accordingly. Gathered 12 wild horses in 1985 to attain AML.	

Ragged Top (Cont.)

Table II
Progress of Program Implementation Sonoma-Gerlach Resource Area

Kind of Plan	Allotment/Operator	SELECTIVE Management Category	INITIAL Stocking Level 1/ (AUMs)	LIVESTOCK			WILDLIFE			WILD HORSES AND BURROS	SPECIFIC Monitoring Plan Components	Completed Monitoring Actions	RANGE IMPROVEMENT PROJECTS PLANNED 2/		PROJECTS COMPLETED		Program Implementation Progress
				Management Objectives and 1/ Program Implementation Method	EXISTING USE (AUMs)	DEER	BIGHORN	SHEEP	Management Objectives and 1/ Program Implementation Method				Units	Type	Units	Type	
General Land Use Plan	Humboldt Sink/ Safford and Safford Robert T. Monroe	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 12,127 acres and from good to excellent on 310 acres.	1957 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 DT-1 to at least fair condition. b. Improving and maintaining water/wild 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 RMAP. 1. Terrestrial: will not exceed TWRTS established in the Sonoma-Gerlach EIS Table 1-3 for key species. 2. Wetland Riparian: shall not exceed SUS for key species. Develop an HMP for Humboldt Range WHA-T-11 during F108.	1985 0	No horses or burros.	1. Actual use 2. Utilization 3. Order 3 Soil Surveys 4. Ecological Status Inventory 5. Use Patterns	1. Order 3 Soil Surveys (Complete) 2 ea	fence well trough	0 0 0	0 0 0	Gathered 14 wild horses in 1985 to attain AML.	
General Land Use Plan	North Buffalo/ 3/ (Administered 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 6,123 acres and from good to excellent on 208 acres. Consider increasing existing forage by artificial methods wherever appropriate and feasible.	1957 3	0	0	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 15 AUMs for mule deer, by: a. Improving and maintaining the mule deer habitat condition in Battle Mtn. DU-2 to at least good condition. Wildlife habitat management objectives for vegetation utilization shall be as follows except where adjusted by an approved HMP. 1. Terrestrial: will not exceed TWRTS established in the Sonoma-Gerlach EIS Table 1-3 for key species. 2. Wetland Riparian: shall not exceed SUS for key species. Develop an HMP for Buffalo Mtn. WHA-T-19 in cooperation with NV060.	1955 0	No horses or burros.	1. Trend 2. Actual use 3. Climate 4. Utilization 5. Order 3 Soil Surveys 6. Ecological Status Inventory	1. Order 3 Soil Surveys 2. Ecological Status	5,176 acres plow & seed	0 0	0 0	525 livestock AUMs suspended due to fire (1985).	
	North Buffalo (Cont.)																
General Land Use Plan	Jersey Valley/ 3/ (Administered by Carson City District as the Jersey Valley Allotment)	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 5,783 acres and from fair to good on 86 acres and good to excellent on 50 acres.	1987 78	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 48 AUMs for mule deer and 3 AUMs for bighorn sheep, by: a. Improving or maintaining the following mule deer habitats to at least good condition in Stillwater Range DT-3 and Augusta Mts. DT-4. b. Improving and maintaining bighorn habitat 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 RMAP. 1. Terrestrial: will not exceed TWRTS established in the Sonoma-Gerlach EIS Table 1-3 for key species. 2. Wetland Riparian: shall not exceed SUS for key species. The HMP for Stillwater Range WHA-T-16 was prepared during F108.	1986 3,108 1253 Current 257	Manage, maintain and improve public rangeland conditions to provide an initial level of 3,132 AUMs of forage on a sustained yield basis for 261 (AML) 5/ 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 Surveys 6. Ecological Status Inventory	1. Order 3 Soil Surveys 2. Ecological Status	1 1/2 miles 2 ea 1 ea	pipe-line trough spring	0 0 0	0 0 0	Conversion of sheep AUMs to cattle use. HMP completed F108.

Table II
Progress of Program Implementation Sonoma-Gerlach Resource Area

Kind of Plan	Allotment/Operator	DEFLECTIVE Management Category	INITIAL Stocking Level 1/ (AUMS)	LIVESTOCK		WILDLIFE			Management Objectives and 1/ Program Implementation Method	EXISTING Use (AUMS)	WILD HORSES AND BURROS Management Objectives and 1/ Program Implementation Method	IDENTIFIED Monitoring Plan Components	Completed Monitoring Actions	RANGE IMPROVEMENT PROJECTS COMPLETED				Program Implementation Progress
				Management Objectives and 1/ Program Implementation Method	1987	EXISTING Use (AUMS)	DEER	ANTELOPE						SHEEP	PLANNED 2/	UNITS	TYPE	
General Land Use Plan	Licking/ 3/ (Administered 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 722 acres and from good to excellent on 9 acres. Combine with North Buffalo Allotment and consider as one allotment.	1987 73	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 45 AUMS for mule deer, by: a. Improving or maintaining the following mule deer habitat in Battle Mts. DS-6 and DW-2 to least fair condition. Wildlife habitat management objectives for vegetation utilization shall be as follows except where adjusted by an approved HMP, AMP and HWAP: 1. Terrestrial: will not exceed TARGETS established in the Sonoma-Gerlach EIS Table 1-3 for key species. 2. Wetland Riparian: shall not exceed SDS for key species. Develop an HMP for Battle Mts. WNA-1-19 in cooperation with WYO60.	1988	No horses or burros.	1. Actual use 2. Climate 3. Utilization 4. Order 1 Soil Surveys 5. Ecological Status Inventory	0	0	0	0	24 livestock AUMs suspended due to fire (1985).		
General Land Use Plan	Cottonwood Canyon/ 3/ (Administered by the 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 from fair to good on 349 acres. Run in conjunction with the Boyer Ranch Allotment of the Carson City District.	1987 73	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 DS-3 to least good condition. Wildlife habitat management objectives for vegetation utilization shall be as follows except where adjusted by an approved HMP: 1. Terrestrial: will not exceed TARGETS established in the Sonoma-Gerlach EIS Table 1-3 for key species. 2. Wetland Riparian: shall not exceed SDS for key species. The HMP for the Stillwater Range WNA-1-16 was prepared during FROG.	1988	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		

Cottonwood Canyon (Cont.)

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 (HMP) unless a specific management plan (CRMP, AMP, etc.) has been completed.

2/ The planned range improvements are those that were identified through the land use plan (HMP) 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 BLN 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 range 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.