Range Condition Survey and Appropriate Management Level of Wild Horses on the Nevada Wild Horse Range, Nye County, Nevada Final Report November 1999

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RANGE CONDITION SURVEY AND APPROPRIATE MANAGEMENT LEVEL OF WILD HORSES ON THE NEVADA WILD HORSE RANGE, NYE COUNTY, NEVADA

FINAL REPORT

Prepared by

SCIENCE APPLICATIONS INTERNATIONAL CORPORATION

for

NELLIS AIR FORCE BOMBING AND GUNNERY RANGE LAS VEGAS, NEVADA

and

U.S. ARMY CORPS OF ENGINEERS FORT WORTH, TEXAS

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1.0 INTRODUCTION

Over the past 200 years, ranchers, miners, and others have released horses (*Equus caballus*) into the wild throughout the western United States, including Nevada. These animals have multiplied and continue to thrive in south-central Nevada, and several herds currently roam the north-central portion of the Nellis Air Force Range (NAFR).

In 1962, the Nevada Wild Horse Range (NWHR) was established on the north-central portion of the NAFR via a cooperative agreement between the U.S. Air Force (USAF) and the Bureau of Land Management (BLM) (BLM, 1989, pg. 3-7). During that year, approximately 200 wild horses roamed the 396,252-acre NWHR. Since 1962, the wild horse population on the NAFR, including the NWHR, has increased substantially (Table 1), and the distribution of horses has expanded beyond the administrative boundary of the NWHR (Shepherd, 1999). By 1984, 4,890 wild horses roamed over most of the northern portion of the NAFR in an area of approximately 1,780,000 acres (BLM, 1989, pg. D-1).

Table 1. Number of Wild Horses on the Northern Nellis Air Force Range

Year of Inventory	Number of Wild Horses
1963	200 ^a
1973	800 ^a
1976	$1,064^{a}$
1977	$1,300^{a}$
1980	3,122 ^a
1982	4,405 ^a
1983	4,860 ^a
1984	4,890 ^a
1987	5,000 ^b
1991-1993	9,000-10,000 ^c
1997	526 ^d
1998	820 ^d

Sources: aBLM, 1989; bUSAF, 1997a; Shepherd, 1999; McFadden, 1999.

During the late 1980s, concerns about wild horse over-population and over-grazing prompted land managers to consider limiting wild horse numbers on the NWHR and the NAFR. The *Nevada Wild Horse Range Herd Management Plan* (BLM, 1989, Appendix D) established a limit of 2,000 wild horses on the NWHR. In addition, the *Nellis Air Force Range Resource Plan* directed the BLM to "adjust wild horse numbers to achieve a thriving ecological balance using data obtained from monitoring and, if available, from other sources," and to "continue to conduct vegetation trend and utilization studies" (BLM, 1992, pg. 9).

In the years following implementation of these planning documents, the BLM began reducing the horse population through round-ups and public adoptions. The BLM also began conducting "utilization studies" to assess the amount of forage consumed by the horses. However, vegetation trend and monitoring efforts necessary to establish an ecologically sound upper limit for the horse population were not conducted. Based on the utilization studies, the BLM lowered the preferred horse population size, and attempted to achieve these reduced limits in March and June 1997, when 1,044 of the estimated 1,570 horses on the Range were removed (McFadden, 1999). By September 1998, the population of wild horses on the northern Nellis ranges had increased to 820 (McFadden, 1999). Future plans include additional round-ups every 3 to 4 years to maintain a population size of 600 to 1,000, which was the

Appropriate Management Level (AML) established for the entire North Range (USAF, 1999, pg. 3.8-33, personal communications with McFadden, 1998).

Annual utilization studies indicate that the general condition of the vegetation on the northern Nellis ranges has improved since the early 1990s, when severe over-grazing by wild horses was common (McFadden, 1999). However, plant production and range condition data are needed to confirm this assessment. In addition, these data are needed to calculate an AML for the NWHR.

The wild horse population that the range can support is limited by the amount of forage and water available to the horses. This is the primary reason that requirements to monitor forage production were included in the *Nellis Air Force Range Resource Management Plan* (BLM, 1992). Currently, BLM uses utilization studies as an index of forage production, by assessing the amount of forage remaining at the end of the growing season. These studies are used because they require minimal time investment. However, determination of the AML from plant production, while more time consuming, is more accurate because the AML is calculated from actual plant biomass production measured in the field.

Personnel from the NAFR realized that range condition data would be needed to effectively evaluate the condition of the vegetation on the NWHR and to calculate the AML. Therefore, the USAF tasked Science Applications International Corporation (SAIC) to delineate the range associations on the NWHR, determine the condition of vegetation within the area, and determine the AML for wild horses in the NWHR. This report summarizes the results of these efforts.

2.0 METHODS

2.1 STUDY AREA

The topography of the NWHR is typical of the Basin and Range Physiographic Province, with long, north-south trending mountain ranges separated by broad alluvium-filled valleys. Most of the land area of the NWHR is in Kawich Valley, which is bordered on the east by the Belted Mountain Range and on the west by the Kawich Range. Portions of the upper bajadas on the west side of the Kawich Range are also included in the NWHR. Elevations of the NWHR range from 5,055 feet on the Gold Flat Playa to 8,495 feet in the Belted Mountains.

The vegetation of the NWHR is dominated by Great Basin flora. Shadscale saltbush (Atriplex confertifolia), fourwing saltbush (Atriplex canescens), winterfat (Krascheninnikovia lanata), and Indian ricegrass (Achnatherum hymenoides) typify the vegetation of the valley floors, and Wyoming big sagebrush (Artemisia tridentata ssp. wyomingensis), black sagebrush (Artemisia nova), and Indian ricegrass dominate most of the bajadas at the middle and upper elevations. Additional species that are common in this area include green rabbitbrush (Chrysothamnus viscidiflorus), Nevada jointfir (Ephedra nevadensis), spiny hopsage (Grayia spinosa), wildrye (Elymus elymoides spp. hordeoides), Galleta grass (Pleuraphis jamesii), bud sagebrush (Artemisia spinescens), globemallow (Sphaeralcea spp.), and greenmolly (Kochia americana). The dominant plant community in the mountains is pinyon-juniper woodland (Pinus monophylla and Juniperus osteosperma), with big sagebrush (Artemisia tridentata) dominating the understory.

The climate of the NWHR is semiarid. Daily and seasonal temperatures vary greatly and are influenced by air movement and topography (BLM, 1989). Average annual precipitation from 1954 to 1998 at the Tonopah Airport (approximately 50 miles from the NWHR with similar elevation) was 5.37 inches (Desert Research Institute [DRI], 1999). Average daily temperatures range from 31.2 degrees Fahrenheit (°F) in January, to 73.8 °F in July (Table 2) (DRI, 1999). Daytime temperatures in summer often exceed 90 °F, and nighttime temperatures drop to 50 to 60 °F. Average winter temperatures are between 31 and 41 °F (BLM, 1989).

2.2 DATA COLLECTION AND CALCULATIONS

One of the methods used by BLM to determine the AML of rangeland for livestock or wild horses is to delineate range sites, collect plant production and condition data from those range sites, calculate forage production across the range, and then calculate the AML based on the desired forage utilization. To the extent possible, this method was followed. The only exception was the method used to delineate range sites as described in Section 2.2.1.

Data for this project were collected following standard BLM methods obtained from the *National Range Handbook* (Natural Resources Conservation Service [NRCS], 1985), and the *Nevada Rangeland Monitoring Handbook* (NRCS, 1984). These methods were then incorporated into procedures (Appendix A) that were reviewed and accepted by personnel of the Las Vegas, Nevada and Ely, Nevada Field Offices of the BLM. Standard BLM forms were recreated and used for recording data.

Table 2. Historic and Annual (1998 and 1999) Total Monthly Precipitation and Mean Monthly Air Temperature at the Tonopah, Nevada Airport, Nye County

	Precipitation (inches)				Temperature (°F)				
Month	1954-98 (mean)	1998	1999	,	1954-98 (mean)	1998	1999		
January	0.39	0.08	1.08		31.2	34.5	33.0		
February	0.48	2.25	0.06		36.4	33.7	35.4		
March	0.52	0.76	0.07		41.7	42.4	41.9		
April	0.37	0.34	0.67		48.3	45.6	44.5		
May	0.62	1.32	0.12		57.5	50.7	57.7		
June	0.33	1.67	1.17 ^a		67.2	61.6	59.3 ^b		
July	0.54	0.40	_		73.8	73.9			
August	0.50	0.02	-		71.8	73.8			
September	0.50	1.68			63.7	63.7			
October	0.37	0.67			52.7	48.8			
November	0.44	0.23			39.9	39.0			
December	0.28	0.00			32.3	32.2			
Total	5.34	9.42	3.17	Mean	51.4	50.0			

^a Missing 18 days of data; ^b Missing 17 days of data.

Source: DRI, 1999.

2.2.1 Range Association Delineation

The first step in determining the AML was to identify areas used by wild horses. The total area within the NWHR is 396,252 acres. Based on observations by NAFR and BLM personnel, wild horses on the NWHR use basin bottoms and middle-to-upper elevation bajadas. Mountains (particularly the pinyon-juniper woodlands) and playas are used infrequently by horses; therefore, data were not collected from these areas. The area within the NWHR used by horses was estimated to be 204,145 acres (51.5 percent of the NWHR). This area is referred to in this report as the Wild Horse Use Area (WHUA), not to be confused with seasonal horse use areas (USAF, 1999, pg. 3.8-34).

The second step was to delineate range sites. A range site is a distinctive kind of rangeland that differs from others in its ability to produce a characteristic natural plant community (NRCS, 1985). For this effort, the NWHR was delineated into 17 large polygons based on similar landforms and groups of range sites typically associated with each other. These polygons are referred to in this report as Range Site Associations (associations). The delineation of the associations was initiated in the office and completed in the field. Associations were delineated by studying the following map resources: (1) an enhanced false color composite 1:100,000 LandSat Thematic Mapper (TM) satellite image; (2) a U.S. Geologic Survey (USGS) 1:24,000 topographic coverage; (3) a digital 1:250,000 northern Nye County geological coverage; and (4) soils maps from adjacent areas (unpublished NRCS soil surveys). Association boundaries were drawn around areas with apparent similarities in soil, topography, and vegetation. Delineated soil unit boundaries from adjacent areas, surveyed by the NRCS, were extrapolated into the NWHR to the extent possible. Resulting associations ranged in size from 2,458 to 26,254 acres, but most were 5,000 to 20,000 acres (Figure 1, enclosed map at the end of this document).

Between November 11 and 15, 1998, the associations were visited to confirm the boundaries and to determine, by visual estimation, the approximate percentage of each range site enclosed in each association. Sample locations were selected for the dominant range sites in each association. At least one sample location was established in each range site. The following criteria were used to select sample locations: (1) the location was more than 1 mile from a water source; (2) the location was representative of the range site; and (3) the location was not in a transition zone between range sites.

Forty sample locations were established in 14 range sites during November 1998 and June 1999. Each sample location was marked with a steel post and an aluminum tag with the name of the sample location attached to the post. The *Study Location and Documentation Data* form was then completed (selected data from these forms are in Appendix B). Personnel from the Las Vegas and Ely Field Offices of the BLM participated in the efforts to delineate the associations, determine range site percentages, and establish the sample locations.

2.2.2 Range Condition and Forage Production

Between June 2 and 8, 1999, SAIC biologists and personnel from the BLM Las Vegas and Ely Field Offices visited the NWHR to conduct range condition and production, trend, and utilization surveys. The double sampling method (NRCS, 1984) was used to collect range condition data for 27 of the 40 sample locations. A 100-foot transect was established at each sample location, and a round hoop (9.6 square feet) was laid on the ground next to the transect at 10-foot intervals (for a total of 10 samples). Plant production was measured in each of the ten hoops following the method described in Appendix A. Data were recorded on the *Total Annual Yield and Composition Record* (Appendix C).

Data from the *Total Annual Yield and Composition Record* forms were transferred to *Range Inventory Worksheets* (Appendix D). Range condition was then determined by comparing current annual production data to site potential data recorded on the *Range Site Description* form (NRCS, 1987). One of four range condition ratings was assigned to each study site: (1) Potential Natural Climax (PNC) or Excellent; (2) Late Seral or Good; (3) Mid-seral or Fair; and (4) Early Seral or Poor.

Range condition data at 13 of the 40 sample locations (see Table 5 in Section 3.2.1) were obtained by BLM personnel, who visually estimated the production (dry-weight basis) of all plant species. These data were recorded directly onto *Range Inventory Worksheets* and range condition was determined following the procedure in the previous paragraph.

Range condition within each association was determined using data from sample locations established within the association. If an association contained a range site not represented by a sample location within that association, data were used from a sample location in the same range site in another association with similar slope, aspect, and seral stage based on ocular estimate. Vegetation production was calculated for each association by multiplying the estimated production for each range site by the area it occupied within the association. The resulting values were then added together. Association "P" was not sampled for production due to restricted access to the area.

2.2.3 Appropriate Management Level (AML) Calculations

Assumptions

Plant production data were used to determine the AML for wild horses on the NWHR. Several assumptions were made to calculate the AML. These assumptions and an explanation of each follows.

An average-sized adult wild horse is equal to one animal unit (AU).

An AU is defined as one mature 1,000-pound cow or its equivalent based upon average daily forage consumption of 26 pounds of dry matter per day, or 9,500 pounds of dry matter per year.

Wild horses feed primarily on perennial grasses.

The diet of wild horses on the Northern Nellis Ranges consists primarily of perennial grasses (Zarn et al., 1977; Berger, 1986). Stager (1999) stated that at 50 percent or less perennial grass utilization, the diet of wild horses would consist of primarily perennial grasses.

• The BLM allows 55 percent utilization of available perennial grasses of Nevada rangelands.

Forty-five percent of the grass plant produced in a year should be left after grazing to maintain the ecological condition of the soil and the plant community (NRCS, 1984).

• The target utilization rate of available perennial grasses by wild horses is 50 percent within 4 miles of water, 25 percent between 4 and 8 miles of water, and 0 percent beyond 8 miles.

Documentation of the distance from water a horse will walk to forage is limited. It was assumed that within 4 miles of water, utilization of forage would result primarily from wild horses (50 percent of the production), with a small percentage being reserved for other wildlife (5 percent of the production). Between 4 and 8 miles from water, foraging by horses would be less frequent and less intense, therefore it is assumed that only 25 percent of the available forage would be used by wild horses.

• AMLs are calculated based on perennial grass production in a poor rainfall year.

The AML is intended to identify the wild horse abundance that would result in the maximum number of healthy horses in the population, and minimal impact on the condition of the range. Setting an AML for wild horses based on production data from a favorable year would not be prudent. Less forage is produced during unfavorable years, and therefore, a herd of wild horses whose numbers were based on data from a favorable year would over-utilize the vegetation in a normal or unfavorable year. Therefore, the AML is determined using production data calculated for an unfavorable or poor rainfall year.

Methods

To determine the AML for the WHUA, the amount of perennial grass that would be produced in a poor rainfall year, and the amount of that production that would occur within 4 and 8 miles of water were calculated.

The amount of perennial grass likely to be produced in a poor rainfall year in the WHUA was calculated by determining the ratio of total annual production in a good rainfall year versus a poor rainfall year for each range site based on values in the Range Handbook (NRCS, 1984). The ratio was then multiplied by the perennial grass production in the range site measured in 1999 (a year with good rainfall during the growing season). The resulting value, estimated perennial grass production in each range site, was then multiplied by the proportion of each association composed of that range site, and the values were summed to determine total estimated perennial grass production in a poor rainfall year in each association.

To determine the amount of perennial grass production within 4 and 8 miles of water sources, water sources likely to provide water to horses in a poor rainfall year were identified. These waters were identified as those with surface water present in the Wetland Survey Report (USAF, 1997b), which reported data from surveys in 1996, a relatively dry year. A GIS was used to calculate the amount of area of each association within 4 miles of these waters, and the amount of land within 8 miles of the waters.

The amount of each association within 4 miles of the waters was then multiplied by the amount of perennial grass likely to be produced in each association in a poor rainfall year, and this was then multiplied by 50 percent utilization of available forage. This calculation also was made for areas between 4 and 8 miles from water sources, using 25 percent utilization. The sum of these values was the total estimated perennial grass production available to wild horses in poor rainfall years.

The total perennial grass production available to wild horses was then divided by 9,500 (pounds of forage eaten by one wild horse in one year) to obtain the AML for wild horses on the WHMA.

2.2.4 Trend Data

As defined for Range Condition Surveys, trend is the direction of change in vegetation toward or away from its potential (NRCS, 1987). At each sample location, trend was subjectively judged according to the instructions on the *Range Inventory Worksheet* by noting changes in plant vigor and age-class distribution, and soil erosion. Detailed methods are described in Appendix A. Trend data were recorded on *Range Inventory Worksheets* (Appendix D).

2.2.5 Photographs of Sample Locations

One or two color photographs were taken from the beginning point of each transect looking along the transect line (see Appendix E).

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3.0 RESULTS AND DISCUSSION

3.1 RANGE SITE DELINEATION

Fourteen range sites were identified within the WHUA of the NWHR (Table 3), and 17 range associations were delineated. Detailed descriptions of each range site are found in *Major Land Resource Area 29, Southern Nevada Basin and Range, Nevada Site Descriptions* (NRCS, 1987). Range site 029XY090NV (Coarse Gravelly Loam 6-10" PZ; Atco/Orhy) covered the most area (29,689 acres) and also was the most widely distributed (found in 12 of the 17 associations [Table 4]). Six other range sites covered over 17,000 acres each. Together, these seven range sites covered over 87 percent of the WHUA (Table 3).

Table 3. Number, Name, and Area of Range Sites in the Wild Horse Use Area, and the Percentage of the Wild Horse Use Area Covered by those Range Sites in the Nevada Wild Horse Range

Range Site Number	Range Site Name	Area (acres)	Percentage of Use Area
029XY006NV	Loamy 8-10" PZ; Artrw/Orhy-Stco	27,739	13.6
029XY008NV	Shallow Calcareous Loam 8-12" PZ; Arno/Orhy	26,209	12.8
029XY012NV	Sandy 5-8" PZ; Atca/Orhy	17,613	8.6
029XY014NV	Shallow Calcareous Slope 8-12" PZ; Arno/Orhy/Stco	1,182	0.6
029XY016NV	Loamy Upland 5-8" PZ; Grsp-Epne/Orhy	24,454	12.0
029XY017NV	Loamy 5-8" PZ; Atco-Arsp/Orhy	3,655	1.8
029XY020NV	Silty 5-8" PZ; Cela/Orhy-Sihy	4,497	2.2
029XY022NV	Sodic Hill 5-8" PZ; Atco/Hija-Orhy	1,097	0.5
029XY042NV	Coarse Silty 5-8" PZ; Cela/Orhy	24,623	12.1
029XY046NV	Sandy Loam 5-8" PZ; Atca-Cela/Orhy	28,135	13.8
029XY049NV	Sandy Loam 8-12" PZ; Artrw/Orhy-Stsp	2,403	1.2
029XY059NV	Shallow Silty 5-8" PZ; Atco	1,757	0.9
029XY087NV	Gravelly Loam 5-8" PZ"; Saveb/Orhy	3,237	1.6
029XY090NV	Coarse Gravelly Loam 6-10" PZ; Atco/Orhy	29,689	14.5
Unclassified		7,855	3.8
	Total	204,145	

Note: PZ = Precipitation zone.

3.2 RANGE CONDITION

Estimated annual production of vegetation in each range site, and in each association of range sites within the WHUA is reported in Table 4. Production in some of the associations (particularly G, H, and L) was unusually high. Production in 15 of the 40 sample locations was greater than the production predicted for those sites in favorable years (Table 5) in the *Range Site Descriptions* (NRCS, 1987). Five sample locations (06A, 46A, 46D, 90C, and 90D) had particularly high production (Table 5).

3.2.1 Total Annual Production

Total annual production for the WHUA (excluding association "P") was 138,581,288 pounds of vegetation. Total annual production by range site and association can be calculated from the data in Table 4. Production by sample location is reported in Table 5.

Table 4. Range Sites Identified in Delineated Associations on the Nevada Wild Horse Range, and Estimates of Area and Vegetative Production within those Range Sites and Associations during June 1999

Association	Range Site	% of	Area	Production		al Grass Prod		Data
ASSOCIATION	Number	Association	(acres)	(lbs./acre)	Actual (%)	PNC ^c (%)	lbs./acre	Source ^e
A	029XY008	60	8,511	871	7	50	63	08A
	029XY006	30	4,256	1,120	9	50	106	06A
	029XY049	10	1,419	628	4	50	26	49A
			14,186°	921.40 ^b			72 ^d	
В	029XY008	70	13,781	523	11	50	51	08B, 08C
	029XY006	15	2,953	594	7	50	45	06B
	029XY090	10	1,969	419	18	40	77	90A
	029XY049	5	984	628	4	50	26	49A
			19,687	528.50			51	
С	029XY012	60	15,752	635	38	70	243	12B, 12C
	029XY016	30	7,876	553	34	40	188	16A
	029XY087	7	1,838	322	13	45	43	87A
	029XY090	3	788	1,009	40	40	408	90C
			26,254	599.71			217	
D	029XY006	65	2,831	534	12	50	66	06C
	029XY008	30	1,307	378	20	50	64	08B
	029XY012	5	218	501	55	70	274	12B
			4,356	485.55			76	
E	029XY006	65	7,686	750	9	50	68	06E
	029XY008	15	1,774	747	2	50	13	08D
	029XY014	10	1,182	425	7	35	30	14A
	029XY090	10	1,182	637	38	40	245	90B
			11,824	705.75			74	
F	029XY046	45	7,071	261	23	45	60	46F
	029XY042	35	5,500	500	2	55	10	42B
	029XY090	10	1,571	637	38	40	245	90B
	029XY012	5	786	501	55	70	274	12B
	029XY006	5	786	750	9	50	68	06E
			15,714	418.70			72	
G	029XY046	40	1,754	1,679	22	45	363	46A
	029XY022	25	1,097	535	40	30	215	22A
	029XY087	25	1,097	750	20	45	150	87B
	029XY042	7	307	500	2	55	10	42B
	029XY090	3	131	1,617	14	40	221	90D
			4,386	1,076.36			244	
Н	029XY090	50	10,697	1,617	14	40	221	90D
	029XY042	30	6,419	500	2	55	10	42B
	029XY046	20	4,279	664	21	45	137	46B
			21,395	1,091.30			141	

Table 4. Range Sites Identified in Delineated Associations on the Nevada Wild Horse Range, and Estimates of Area and Vegetative Production within those Range Sites and Associations during June 1999 (Continued)

	Range Site	% of	Area	ne 1999 (Co Production		al Grass Prod	duction	Data
Association	Number	Association	(acres)	(lbs./acre)	Actual (%)	PNC ^c (%)	lbs./acre	Source ^e
I	029XY020	40	2,811	400	0	25	0	20A
-	029XY017	30	2,108	388	4	35	16	17B, 170
	029XY059	25	1,757	413	0	10	0	59A, 59I
	029XY090	5	351	1,617	14	40	221	90D
	027/1090	3	7,027	460.50	14	40	16	900
			7,027	100.50			10	
J	029XY042	85	2,089	787	1	55	9	42C
	029XY020	10	246	400	0	25	0	20A
	029XY090	5	123	637	38	40	245	90B
			2,458	740.80			20	
K	029XY016	65	14,767	559	38	40	211	16B, 160
	029XY046	20	4,543	261	23	45	60	46F
	029XY090	10	2,272	637	38	40	245	90B
	029XY042	5	1,136	787	1	55	9	42C
			22,718	518.60			174	
L	029XY046	45	8,328	1,755	0	45	1	46D
	029XY042	40	7,403	711	1	55	4	42D
	029XY090	7	1,296	450	61	40	275	90E
	029XY020	5	925	400	0	25	0	20A
	029XY012	3	555	768	28	70	212	12C
			18,507	1,148.69			27	
M	029XY090	75	8,101	450	61	40	275	90E
	029XY046	20	2,160	633	8	45	54	46E
	029XY006	5	540	700	9	50	63	06D
			10,801	499.10			220	
N	029XY006	75	6,272	700	9	50	63	06D
	029XY042	15	1,254	700	2	55	14	42E
	029XY008	10	836	747	2	50	13	08D
			8,362	704.70			51	
0	029XY017	60	1,548	300	0	35	0	17A
	029XY020	20	515	392	6	25	22	20B
	029XY042	20	515	711	1	55	4	42D
			2,578	400.60			5	
P	No Data ^f	No Data	7,855	No Data	No Data	No Data	No Data	No Data
Q	029XY006	40	2,415	534	12	50	66	06C
	029XY016	30	1,811	553	34	40	188	16A
	029XY090	20	1,208	1,009	40	40	408	90C
	029XY012	5	302	768	28	70	212	12C
	029XY087	5	302	322	13	45	43	87A
			6,038	635.80			177	

Table 4. Range Sites Identified in Delineated Associations on the Nevada Wild Horse Range, and Estimates of Area and Vegetative Production within those Range Sites and Associations during June 1999 (Continued)

during built 1999 (Continued)								
Association	Range Site % of		Area Production		Perennial Grass Production			Data
Association	Number	Association	(acres)	(lbs./acre)	Actual (%)	PNC ^c (%)	lbs./acre	Sourcee
Playa	N/A	N/A	6,944	N/A	N/A	N/A	N/A	N/A
Mountain	N/A	N/A	185,163	N/A	N/A	N/A	N/A	N/A

^a Bolded italicized values are the total area of each association.

Table 5. Production, Condition Rating, and Trend of Vegetation at 40 Sample Locations on the Nevada Wild Horse Range

Range Site	Sample Location	Production (lbs./acre)	Condition	Trend
029XY006NV	06A	1,120	Mid-seral (Fair)	Not Apparent
	06B	594	Mid-seral (Fair)	Not Apparent
	06C	534	Mid-seral (Fair)	Not Apparent
	06D	700°	Mid-seral (Fair)	Not Apparent
	06E	750 ^a	Late Seral (Good)	Improving
	Mean	740		
029XY008NV	08A	871	Mid-seral (Fair)	Not Apparent
	08B	378	Mid-seral (Fair)	Not Apparent
	08C	669	Mid-seral (Fair)	Not Apparent
	08D	747	Mid-seral (Fair)	Declining
	Mean	666		
029XY012 NV	12B	501	Mid-seral (Fair)	Not Apparent
	12C	768	Late Seral (Good)	Not Apparent
	Mean	623		
029XY014 NV	14A	425 ^a	Late Seral (Good)	Improving
029XY016NV	16A	553	Mid-seral (Fair)	Not Apparent
	16B	602	Late Seral (Good)	Not Apparent
	16C	516	Mid-seral (Fair)	Declining
	Mean	557		
029XY017NV	17A	300 ^a	Early Seral (Poor)	Declining
	17B	450 ^a	Late Seral (Good)	Not Apparent
	17C	325 ^a	Early Seral (Poor)	Declining
	Mean	358		

^b Bolded values are total production for the association, based on the proportion of the association composed of each range site and the production within the range sites.

^c PNC = Potential Natural Climax. Potential percent grass production under climax conditions.

^d Bolded values are perennial grass production for the associations, based on the proportion of the association composed of each range site and the production within the range sites.

e Production data for associations or range sites with two sources of data were calculated as the mean of the two sample locations.

^fNo data were collected from association "P" due to restrictions accessing the area.

Table 5. Production, Condition Rating, and Trend of Vegetation at 40 Sample Locations on the Nevada Wild Horse Range (Continued)

Range Site	Sample Location	Production (lbs./acre)	Condition	Trend
029XY020NV	20A	400 ^a	Mid Seral (Fair)	Declining
	20B	392	Late Seral (Good)	Declining
	Mean	396		
029XY022NV	22A	535	Late Seral (Good)	Not Apparent
029XY042NV	42B	500 ^a	Mid-seral (Fair)	Declining
	42C	787	Mid-seral (Fair)	Not Apparent
	42D	711	Mid-seral (Fair)	Not Apparent
	42E	700^{a}	Mid-seral (Fair)	Not Apparent
	Mean	675		
029XY046NV	46A	1,679	Late Seral (Good)	Not Apparent
	46B	664	Late Seral (Good)	Improving
	46D	1,755	Mid-seral (Fair)	Declining
	46E	633	Late Seral (Good)	Not Apparent
	46F	261	Mid-seral (Fair)	Not Apparent
	Mean	998		
029XY049NV	49A	628	Mid-seral (Fair)	Not Apparent
029XY059NV	59A	575ª	Mid-seral (Fair)	Declining
	59B	250 ^a	Early Seral (Poor)	Declining
	Mean	413		
029XY087NV	87A	322	Mid-seral (Fair)	Declining
	87B	750°	Late Seral (Good)	Improving
	Mean	536		
029XY090NV	90A	419	Early Seral (Poor)	Declining
	90B	637	Late Seral (Good)	Not Apparent
	90C	1,009	Mid-seral (Fair)	Not Apparent
	90D	1,617	Mid-seral (Fair)	Improving
	90E	450 ^a	Mid-seral (Fair)	Not Apparent
	Mean	826		

^a Production was estimated by ocular method.

The high production measured at many sample locations may have been the result of the timing of precipitation events immediately prior to field data collection. Production data were collected within days after a series of precipitation events. The additional precipitation could have provided plants (particularly shadscale saltbush and fourwing saltbush) with a fresh store of water that could have added to the freshweight of the harvested plants. These two species (particularly shadscale saltbush) have succulent leaves that can store water. The high production also could have been the result of the phenological and dryweight conversion factors used to calculate annual air-dry production.

3.2.2 Range Condition and Forage Production

The production data reported in Table 4 includes totals for all plant species, and totals for perennial grasses. Wild horses eat primarily perennial grasses and small amounts of forbs and shrubs (Berger, 1986). The production of perennial grasses on the NWHR during 1999 was much lower than the total production of all species (Table 4). Production of perennial grasses ranged from 0 to 61 percent of the total production per range site, and 17 percent overall. However, many of these range sites have the potential to produce from 40 to 50 percent vegetative production as perennial grasses (reported as PNC in Table 4). Actual perennial grass production at 31 of the 40 sample locations was less than 50 percent of the potential, indicating that these range sites were in less than desired condition.

Of the 40 sample locations, 4 were in poor condition (early seral stage), 24 were in fair condition (midseral stage), 12 were in good condition (late seral stage), and no locations were in excellent condition (PNC stage) (Figure 2). Of the WHUA, 6.4 percent was in poor condition, 59.9 percent was in fair condition, 13 percent was in good condition, and none of the area was in excellent condition (Table 6). Approximately 17 percent of the area had sample locations that were in either poor, fair, or good condition.

Table 6. The Size and Percentage of the Wild Horse Use Area in the Nevada Wild Horse Range in Various Seral Stages^a (Condition)

Seral Stage (condition)	Size (acres)	% of WHUA
Early Seral (Poor)	12,998	6.4
Mid-seral (Fair)	122,347	59.9
Late Seral (Good)	26,561	13.0
PNC (Excellent)	0	0
Early Seral to Mid-seral	1,757	0.9
Early Seral to Late Seral	2,108	1.0
Mid-seral to Late Seral	30,519	15.0
Unclassified (Association "P")	7,855	3.8

^a See Appendix A for an explanation

Sample locations in good condition were generally located in the central part of the NWHR on the east side of the Kawich Mountain Range (Figure 2). Additionally, two of the four sample locations in poor condition were located at the bottom of Kawich Valley, north of the playa. These general patterns may be due to the distribution of water sources across the NWHR. Sample locations in "fair" condition are scattered throughout the NWHR and did not exhibit any particular spatial pattern.

3.2.3 Appropriate Management Level (AML)

Sixteen (16) springs or other water bodies were identified as having the potential to provide water to wild horses during a poor rainfall year (waters are shown on Figure 2). Based the perennial grass production data collected in 1999, the assumptions and methods listed in Section 2.2.3, and the location of these waters, 2,158,027 pounds of perennial grass would be available to wild horses on the WHMA during a poor rainfall year. Based on this amount of perennial grass production, the AML for the WHMA is 227 wild horses.

Table 7. Perennial Grass Production Used to Calculate Appropriate Management Levels (all values for perennial grass production are in pounds per year)

		Perennial Grass	Area Nea	r Waters (acres)	
Association	Actual Perennial Grass Production	Production - Poor Year	Within 4 Miles	Between 4 and 8 Miles	Perennial Grass Available
A	1,024,229	381,064	13,927.3	258.6	188,817.4
В	1,012,896	380,215	19,045.6	639.4	187,065.8
C	5,708,932	2,547,428	6,323.3	8,623.1	515,854.2
D	330,185	126,781	4,018.1	338.2	60,918.5
E	870,838	338,911	4,760.9	6,570.0	115,399.3
F	1,132,979	560,487	3,300.2	12,413.1	169,547.3
G	1,069,219	502,782	0.0	1,053.9	30,166.9
H	3,014,556	1,400,410	679.4	12,646.4	229,317.1
I	111,378	43,508	0.0	6,468.0	10,006.8
J	48,914	22,349	0.0	2,267.6	5,151.5
K	3,955,204	1,965,902	4,633.1	15,435.9	534,233.9
L	511,904	223,607	2,396.4	12,834.4	53,218.5
M	2,378,380	1,040,833	0.0	324.3	7,806.2
N	423,535	162,833	1,274.3	1,481.3	19,580.7
O	13,406	5,568	0.0	0.0	0.0
P	761,935	327,632	0.0	0.0	0.0
Q	1,069,632	493,120	0.0	1,516.3	30,943.3
Total	23,438,121	10,523,433	60,358.8	82,870.5	2,158,027.4

3.3 VEGETATIVE TREND

Vegetative trend was not apparent in 58 percent of the WHUA (Table 8). This indicates that there was no visible change in vegetation away from its current seral stage. The vegetation was improving in 13 percent of the WHUA and declining in 17 percent of the WHUA (Table 5). Approximately 8 percent of the area had sample locations with trend that was either not apparent or was declining (Table 8).

Table 8. The Size and Percentage of the Wild Horse Use Area in the Nevada Wild Horse Range in Four Trend Classes^a

Trend	Acres	Percentage
Improving	26,209	12.8
Not Apparent	118,134	57.9
Declining	35,072	17.2
Not Apparent to Declining	16,875	8.3
Unclassified (Association "P")	7,855	3.8

^a See Appendix A for an explanation of the trend classes.

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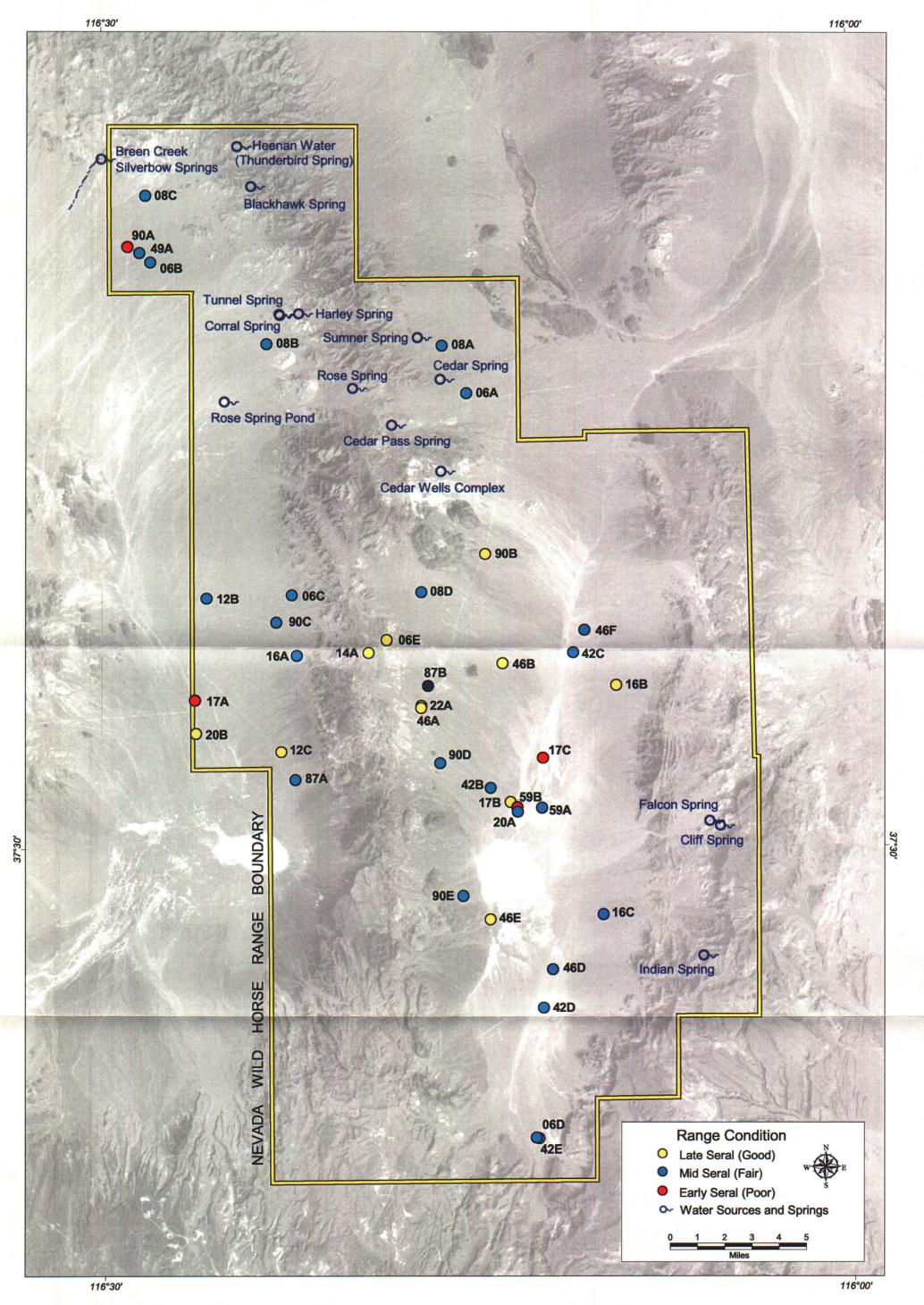


Figure 2. Range Condition on the Nevada Wild Horse Range.

4.0 SUMMARY

Total vegetative production within the WHUA of the NWHR was high, possibly due to precipitation timing and volume during the previous water year. However, 1999 production of forage species favored by wild horses (perennial grasses) was less than 17 percent of the total production of all species. Production of these forage species was generally much lower than their potential production for the sampled range sites, indicating that vegetation in much of the area was in less than ideal condition.

Only 13 percent of the WHUA had vegetation in good condition, 60 percent was in fair condition, and 6 percent was in poor condition. None of the WHUA had vegetation in excellent condition. Condition in approximately 17 percent of the area varied from poor to good.

Based on 1999 perennial grass production data, estimates of grass production in poor years, and location of water, the AML for the NWHR is 227 horses.

The trend of the vegetation was variable. Vegetative trend could not be determined in approximately 58 percent of the sampled area. The condition of the vegetation in approximately 13 percent of the area was improving, while vegetation in approximately 17 percent of the area was declining.

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5.0 REFERENCES

Berger, J., 1986. Wild Horses of the Great Basin: Social Competition and Population Size. University of Chicago Press, Chicago.
Bureau of Land Management (BLM), 1989. Nellis Air Force Range Resource Plan and Environmental Impact Statement (draft). U.S. Department of the Interior (DOI), BLM, Las Vegas District. Las Vegas, Nevada.
, 1992. Nellis Air Force Range Resource Plan and Record of Decision. DOI, BLM, Las Vegas District. Las Vegas, Nevada.
Desert Research Institute (DRI), 1999. Western Regional Climate Center, Internet web site (www.wrcc.dri.edu).
McFadden, G., 1999. Wild Horse Specialist, BLM, Las Vegas District. Las Vegas, Nevada. Personal Communication, June 25.
Natural Resources Conservation Service (NRCS), 1984. Nevada Rangeland Monitoring Handbook. U.S. Department of Agriculture (USDA), NRCS. Washington D.C.
, 1985. National Rangeland Handbook. USDA, NRCS. Washington D.C.
, 1987. Major Land Resource Area 29, Southern Nevada Basin and Range, Nevada Site Descriptions. USDA, NRCS. Washington D.C.
Shepherd, A., 1999. Wild Horse Specialist, BLM, Caliente District. Caliente, Nevada. Personal Communication, June 25.
Stager, R., 1999. Range Conservationist, BLM, Kanab District. Kanab, Utah. Personal Communication, September 9.
U.S. Air Force (USAF), 1997a. Integrated Natural Resources Management Plan, Nellis Air Force Base/ Nellis Air Force Range. USAF, Nellis Air Force Base, Nevada 99 th Air Base Wing, Environmental Management Directorate. Las Vegas, Nevada.
, 1997b. Nellis Air Force Range Wetlands Survey Report. USAF, Nellis Air Force Base, Nevada 99 th Air Base Wing, Environmental Management Directorate. Las Vegas, Nevada.
, 1999. Renewal of the Nellis Air Force Range Land Withdrawal, Legislative Environmental Impact Statement. USAF, Nellis Air Force Base, Nevada 99th Air Base Wing. Las Vegas, Nevada.
Zarn, M., Heller, T., and K. Collins, 1977. Wild, Free-Roaming Horses-Status of Present Knowledge. Technical Note 294. U.S. Department of the Interior, BLM. Denver, Colorado.

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APPENDIX A

FIELD PROCEDURES USED TO COLLECT RANGE CONDITION DATA ON THE NEVADA WILD HORSE RANGE

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A. FIELD PROCEDURES USED TO COLLECT RANGE CONDITION DATA ON THE NEVADA WILD HORSE RANGE

This procedure describes the methods used to collect data for the Nellis Range Health Survey on the Nevada Wild Horse Range (NWHR), to determine range condition. This document includes procedures for (1) setting up a sample location; (2) collecting range condition data with the double sampling method; and (3) collecting range inventory data and determining range condition. Three forms are used to document the sample location and collect the required data (1) Study Location and Documentation Data; (2) Total Annual Yield and Composition Record; and (3) Range Inventory Worksheet.

A.1 SET UP THE SAMPLE LOCATION

A.1.1 Identify and Label the Sample Location

- a. Drive a steel post into the ground at the sample location.
- b. Label an aluminum tag with the name of the sample location and attach the tag to the steel post.
- c. Paint the steel post.

A.1.2 Complete the Study Location and Documentation Data Form (Illustration 1), using the information provided below:

NOTE: One form is completed for each sample location.

a.	Study Method	List type of data collected at the sample location (condition)
b.	Study Number	List the name of sample location, which is the last
		two numbers of the NRCS Range Site name and a
		consecutive letter (example: 90D is the fourth
		sample location established in the 029XY090NV
		range site)
C.	Allotment Name and Number	N/A
d.	Pasture	N/A
e.	District	N/A
f.	Resource Area	29
g.	Planning Unit	N/A
h.	Range Site	NRCS Range Site name
i.	Plant Community	N/A
j.	Date Established	The date the sample location was established
k.	Established by	List team members by first initial and last name
1.	Map Reference	List name of USGS 7.5 minute quadrangle map
m.	Elevation	Elevation in meters
n.	Slope	Percent slope
ο.	Exposure	Aspect in compass degrees
p.	Aerial Photo Reference	N/A
q.	Location	Location of the sample location in Universal
		Transverse Mercators (UTMs)

r.	Key Species	List the three key (dominant) species
s.	Distance and Bearingref.	N/A
t.	Distance and Bearingstake	N/A
u.	Transect Bearing	Compass bearing of trend transect
v.	Vertical Distance Between	Vertical distance between ground and aligned trend
		transect tape
w.	Length of Transect	100 feet for both condition and trend methods
X.	Plot/Frame Size	9.6 square feet for condition
у.	Sampling Interval	10 feet
Z.	Total Number of Samples	10

A.1.3 Take Photographs of the Sample Location

One or two general view color photographs should be taken from the reference (beginning) point of each transect looking down the transect line. Other permanent photo points can be established as deemed appropriate.

A.2 COLLECT RANGE CONDITION DATA

The following equipment is needed to setup the study, collect condition data, and determine a condition class rating.

Forms and Tables

Form - Study Location and Documentation Data (Illustration 1)

Form - Total Annual Yield and Composition Record (Illustration 2)

Form - Range Inventory Worksheet (Illustration 3)

Table - Ecological Condition Dry Weight and Phenology Factors for Common Plant Species

Equipment and Materials

Shrub clippers

Spring scale (100 gram capacity)

Paper bags

Plot hoop (9.6 square feet)

Measuring tape (100-foot)

Camera

Print film

Photo Identification Label

Transect stakes (5/8 inch rebar, 2 feet long)

Hammer (2-pound sledge)

Sample location stakes (t-posts)

Aluminum tags

Plant press

Permanent yellow or orange spray paint

Compass

Steel die stamps to create sample location tags

Clipboards

Global Positioning System (GPS) Unit

A.2.1 Setup the Condition Transect and Prepare for Data Collection

- a. Identify the transect location with beginning and end stakes
- b. Label an aluminum tag using the following convention: "association designation" Sample location name (example A-90D)
- c. Attach the identification tag to the sample location stake with wire
- d. Complete the top section of the *Total Annual Yield and Composition Record* with the following information:

1)	Soil	Record the soil type from the Range Site Description
2)	Range Site	Record the name of the NRCS Range Site name within which the transect is located
3)	Location	WHMA
4)	Precipitation	Record the average annual precipitation for the sample location (found in the NRCS Range Site Description Handbook)
5)	Elevation	Record the elevation of the sample location in meters
6)	Exposure	Record the exposure or aspect of the sample location
7)	Use History	Unknown
8)	Season of Use	All year
9)	Slope	Record the average percent slope of the sample location
10)	Animals	Horse, antelope, rabbits
11)	Last Burn	N/A
12)	Ecological Status	N/A
13)	Plot Size & Shape	9.6 square feet
14)	Brush Control	N/A
15)	Growing Season	Indicate the success of the growing season (Poor, Normal, Good) in terms of plant growth, seed production, annual plant numbers, etc.
16)	SWA Number	Site Write-up Area (SWA) number - record the sample location name (example: 90D)
17)	Canopy	Record percent of sample location covered by tree canopy - this will be zero for this collection effort
18)	SCD	N/A
19)	Collected by	List team members by first initial and last name
20)	Date	Record the date condition data were collected (the date is recorded on the bottom center of the form)

A.2.2 Determine Weight Units for Each Species

- a. Find an area away from the transects with vegetation representative of the sample location, where vegetation can be sacrificed.
- b. Identify a weight unit for each species. Select common shapes or objects to associate with each weight unit (i.e. hand, softball, etc.). For some species, use the entire plant as the unit. Once a weight unit has been established for each species, estimate the number of weight units for each plant in the sample quadrants of the condition transect.

- c. Weigh the current year's growth of the representative weight unit for each species in grams.
- d. Record the weight (in grams) of the weight unit in the "species code" column of the form.
- e. Production for each species in each sample quadrat is determined by multiplying the estimated number of weight units by the actual weight of the unit.

A.2.3 Collect Estimated Production Data

NOTE: The following data will not be collected and will not be recorded on the form: "Plants % Density"; "Stone % Surface"; and "Litter % Surface".

- a. Stretch a 100-foot measuring tape between transect stakes.
- b. Beginning at the 10-foot mark on the measuring tape, lay down the first 9.6-square foot hoop on the right side of the measuring tape, with the side of the hoop centered on the 10-foot mark.
- c. Identify one species in the hoop.
- d. Write the code for that species in column one (*Species/pheno*) of the form.
- e. Count all weight units for that species in the hoop and multiply this number by weight of the weight unit for that species.
- f. Record the total estimated weight (in grams) of the species in the hoop in the appropriate row for that species and the appropriate column (plot number).
- g. Repeat steps "c" through "f" for each species in the hoop.
- h. Move the hoop to the next sample location along the transect.
- i. Repeat steps "c" through "g" for each the following sample locations on the 100-foot transect: 20, 30, 40, 50, 60, 70, 80, 90, 100.

NOTE: If a species does not have an assigned weight unit, go to a sacrifice area near the sample location and determine the average weight (in grams) of a weight unit for that species.

A.2.4 Collect Clipped and Weighed Production Data

NOTE: All vegetation in two to four of the ten plots for which production was estimated in the section above also will be clipped and weighed to determine actual plant biomass in the sample location.

a. Identify the numbers of the plots to be clipped and weighed. The plots identified should include the dominant plants on the site and those that are the most important forage species.

- b. Lay down the hoop on the plots to clipped and weighed. It helps to mark the perimeter of the hoop during the estimation step to ensure the same plants are clipped as were estimated.
- c. Clip and weigh all vegetation for one species in the hoop.
- d. Record the total weight (in grams) of the species in the hoop in the appropriate row for that species in column "C".
- e. Repeat steps "c" and "d" for each species in the hoop.
- f. Move the hoop to the next sample location to be clipped along the transect.
- g. Repeat steps "c" through "e" for each sample location to be clipped on the transect.

NOTE: All plant material on the plot is clipped as close to the ground as possible. All old woody growth and foreign material should be carefully removed. Sample only current year's growth. Sampling for production should be done as soon as possible after vegetation has attained maximum growth.

A.2.5 Determine the Phenological Stage of Each Species

Referring to Table A-1, record the phenological stage for each species encountered during collection of production data in the "Notes" column.

Table A-1. Numerical Designation for the Phenological Stage of Plants by Lifeform

No. of Pheno. Stage	Grasses	Forbs	Shrubs
8	Regrowth	Regrowth	Dormant
7	Cured	Cured	Leaf fall
6	Seed dissemination	Seed dissemination	Seed dissemination
5	Seed ripe	Seed ripe	Seed ripe
4	Peak flower	Peak flower	Peak flower
3	Start flower	Start flower	Start flower
2	Boot stage	Pre-flower	Fully formed leaf
1	Start growth	Start growth	Initiate leaf growth

A.2.6 Complete the Total Annual Yield and Composition Record (Illustration 2)

NOTE: The remainder of the information needed to complete the *Total Annual Yield and Composition Record* can be completed away from the sample location.

- a. Calculate the total estimated weight (in grams) for each species from the ten plots and record the number in column "A".
- b. Calculate the total estimated weight (in grams) for each species from the plots that were also clipped and weighed and record the number in column "B".

- c. Calculate the total clipped weight (in grams) for each species from the plots that were clipped and weighed and record the number in column "D".
- d. Calculate the Correction Factor by dividing the total clipped weight for each species (column "D") by the estimated weight of each species (column "B"). Record the result in column "E".
- e. Calculate the Total Corrected Green Weight by multiplying the Correction Factor (column "E") by the total estimated weight of each species (column "A"). Record the result in column "F".
- f. Determine the Dry Weight Factor for each species from the Dry Weight section of the *Ecological Condition Dry Weight and Phenology Factors for Common Plant Species* table and record the numbers in column "G".
- g. Calculate the Dry Weight for All Plots value for each species by multiplying the Dry Weight Factor (column "G") by the Total Corrected Green Weight (column "F"). Record the result in column "H".
- h. Determine the Utilization Percentage. Record the result in column "I".
- i. Calculate the Sub-total (column "J") for each species by multiplying the Dry Weight for All Plots (column "H") by the Utilization Percentage (column "I"). Record the result in column "J".
- j. Determine the Phenology Factor for each species from the Phenology section of the *Ecological Condition Dry Weight and Phenology Factors for Common Plant Species* table, and record the numbers in column "K".
- k. Calculate the Total Weight of All Plots for each species by multiplying the Phenology Factor (column "K") by the Sub-total (column "J"). Record the result in column "L".
- 1. Determine plant biomass (pounds per acre) for each species. If production data were obtained with a 9.6-square foot plot, then plant biomass equals the Total Weight for All Plots (column "L"). Record the result in column "M".
- m. Obtain the total weight across all species and plots by calculating the sum of all values in column "M". Record the result at the bottom of column "M".
- n. Calculate Percent Composition for each species by dividing the pounds per acre for each species by the sum of column "M".

A.3 RECORD FIELD INFORMATION ON THE RANGE INVENTORY WORKSHEET (ILLUSTRATION 3)

A.3.1 Complete the Top Section of the Range Inventory Worksheet

a. Write-up No.

N/A

b.	Site Name	Sample location Name (must match name on Total Annual Yield and Composition and the	
		Study Location and Documentation Form)	
c.	Major Land Resource Area (MLRA)	29	
d.	Ranch or Soil-232 No.	N/A	
e.	Soil Taxonomic Unit	N/A	
f.	Photo No.	N/A	
g.	Field Office	SAIC-Environmental Sciences Department (ESD)	
h.	Location	UTMs	
i.	Conservationist	First initial and last names of team	
j.	Longitude and Latitude	N/A	
k.	Date	Date production data were collected	

NOTE: Refer to the *Instructions to Range Inventory Worksheet* to complete the following steps.

A.3.2 Complete the Range Inventory Worksheet

- a. Transfer the list of species from the *Total Annual Yield and Composition Record* to column "3" of the *Range Inventory Worksheet*.
- b. Transfer the plant biomass values for each species in column "M" from the *Total Annual Yield and Composition Record* to column "5" of the *Range Inventory Worksheet*.
- c. Transfer the percent composition values for each species in column "N" from the *Total Annual Yield and Composition Record* to column "6" of the *Range Inventory Worksheet*.
- d. Transfer the total weight across all species and plots recorded at the bottom of column "M" to the "Totals" row at the bottom of column "6".
- e. Referring to the NRCS Range Site Description for the Sample location, record the appropriate percent of species for each dominant or co-dominant species in column "7".
 - 1) If the species is not listed in the *Range Site Description* no value is recorded.
 - 2) If the species percent-by-weight value is less than the maximum amount allowed in the Range Site Description, record the percent-by-weight value calculated from the Total Annual Yield and Composition Record data sheet.
 - 3) If the species percent-by-weight value is greater than the maximum amount allowed in the *Range Site Description*, record the maximum amount allowed in the *Range Site Description*.
 - 4) For species that are part of group of species in the Range Site Description (example other perennial grasses), ensure the rules stated in the Range Site Description regarding these species are followed.
- f. Calculate the Plant Group Percent Composition (weight only) for Grasses and Grass-like Plants, Forbs and Trees and Shrubs by calculating the sum of column "5" for each plant group and dividing that value by the total weight value recorded at the bottom of column "6". Repeat for each plant group.
- g. Obtain the Total Percent Climax by Weight by calculating the sum of column "7". Record the results in the "Totals" row of column "7".

- h. Circle the range class (25-0, 50-26, 75-51, and 100-76) in the % Climax Vegetation column that encompasses the value derived in step "g".
- i. In the Species Diversity column, document how many dominant and co-dominant species are missing from the site, based on those species listed in the *Range Site Description*.
- j. In the Production % column, document the amount of total annual production (air-dry weight) of <u>native</u> plants present on a site related to the potential production of the climax vegetation for the site. During above or below average years, use the upper or lower production figures, respectively, listed on the *Range Site Description*.
- k. Record in the Condition Rating column, the final condition rating based on consideration of the three condition class indicators.
- 1. Use the following guidance and definitions to rate plant vigor, age class distribution and soil erosion for determining apparent trend at the site.

Plant Vigor is the size of a plant and its parts in relation to its age and the environment in which it is growing. Assign the appropriate value rating for each plant vigor class as indicated. Values intermediate to those stated here may be used.

Decreaser Plants are climax community plant species that respond quickly to misuse by decreasing in relation to other plants in the community.

Increaser Plants are climax community plant species that respond to misuse, at least initially, by increasing relative to other plants in the community. Other plants in the community are called increasers.

Invader Plants are plant species, not considered part of the climax plant community, that move into the community--often becoming prominent and persistent.

Determining Plant Vigor

Decreaser Plants:

Low Vigor (Rating -2) - Plants decadent; bunch grasses having dead crown centers and much of outer crown ring dead; plants short-statured with little new growth; seedstalks few and short; severe hedging apparent on shrubs; sod grasses thinning.

Moderate Vigor (Rating 0) - Moderate amount of new growth and seed stalks; bunch grasses have dead crown centers with healthy but stunted outer crown ring; moderate hedging of shrubs; sod grasses short-statured.

High Vigor (Rating +2) - Grasses robust with numerous leaves, seedstalks tall and numerous; bunch grass crowns full and healthy appearing; shrubs not hedged or high-lined. Plants healthy, producing high yields of new growth and viable seed.

Determining Age Class Distribution

Decreasers - Assign value ratings as: Many young plants > 1 year old = 2; Good representation of all age classes = 1; Mostly mature and some decadent plants = -1. Mostly old and decadent plants = -2.

Increasers/Invaders - Assign value ratings as: Many young plants > 1 year old = 2; Good representation of all age classes = 1; Mostly mature and some decadent plants = -1. Mostly old and decadent plants = -2.

Determining Soil Erosion

None (Rating +4) - Assign class ratings as None = +4; Slight = +1; Moderate = -1; and Severe = -4. No visual evidence of soil movement. Litter is accumulating in place and there is no evidence of pedestalling of plants or rocks. Cryptogamic mat extends into interspaces and has a smooth rounded appearance.

Slight (Rating +1) - Little visual evidence of soil movement. Persistent surface litter where present is accumulating in place. Weather or lichen lines on stones or rock fragments are not apparent. Slight pedestalling of plants and rock is evident in flow patterns. Cryptogamic mat shows early signs of deterioration.

Moderate (Rating -1) - Soil movement is detectable. Persistent surface litter is deposited against obstacles. Weather or lichen lines on stones or rock fragments do not extend to soil surface. Considerable pedestalling of plants and rocks is evident. Cryptogamic mat appears broken and is restricted to protected areas.

Severe (Rating -4) - Soil movement occurs with each runoff or aeolian event. Persistent surface litter and cryptogams are absent. Stones or rock fragments are pedestalled.

Determining Apparent Trend

The sum of Plant Vigor, Age Class Distribution, and Soil Erosion indicates apparent trend. >5 = Improving; 5 to 0 = Not Apparent; <0 = Declining. Negative values indicate declining site condition.

m. Use the following guidance to complete the Site History Section of the *Range Inventory Worksheet*. Complete this section when site is in good or excellent condition, when useful in planning or when specified in resource inventories.

Use History - Show past grazing history of the area: None, slight, moderate, heavy.

Season of Use - Show season(s) when area is grazed: (-) = unknown, spring, summer, fall, winter.

Wildlife Species - Show kinds of wildlife expected or in evidence on the site: deer, badger, quail, etc.

Burning History (-) = unknown; 1 = rarely, if ever, burned; 2 = occasionally burned; 3 = systematically burned; 4 = burned years ago (enter code and years).

Logging History (-) = unknown; 1 = not logged; 2 = logged ____ years ago (enter code and years).

Cropping History (-) = unknown; 1 = not cropped; 2 = cropped _____ years ago (enter code and years).

n. Complete the Site History Section of the Range Inventory Worksheet

NOTE: The following parts of the Physiography Section are optional: (1) Depth of Watertable; (2) Drainage Class; (3) Frequency of Flooding or Ponding; and (4) Duration of Flooding or Ponding.

o. Determine present utilization as a percent of the key species being grazed.

NOTE: The following general sections are optional: (1) Treatment Needs; (2) Special Considerations; and (3) Associated Sites.

UNITED STATES DEPARTMENT OF THE INTERIOR **BUREAU OF LAND MANAGEMENT** STUDY LOCATION & DOCUMENTATION DATA STUDY METHOD STUDY NUMBER **ALLOTMENT NAME & NUMBER PASTURE** DISTRICT RESOURCE AREA **PLANNING UNIT** RANGE SITE PLANT COMMUNITY DATE ESTABLISHED **ESTABLISHED BY (NAME)** MAP REFERENCE **AERIAL PHOTO REFERENCE ELEVATION (m)** SLOPE EXPOSURE(°) **TOWNSHIP** RANGE SECTION 1/4 1/4 1/4 SCALE: INCHES LOCATION **EQUALS ONE MILE** UTM: Easting Northing **KEY SPECIES** DISTANCE & BEARING BETWEEN REFERENCE POST OR REFERENCE POINT AND THE TRANSECT LOCATION STAKE, **BEGINNING OF TRANSECT, OR PLOT DISTANCE & BEARING BETWEEN LOCATION STAKE & BEARING STAKE** TRANSECT BEARING **VERTICAL DISTANCE BETWEEN GROUND &** ALIGNED TAPE LENGTH OF TRANSECT PLOT/FRAME SIZE SAMPLING INTERVAL TOTAL NUMBER OF SAMPLES NOTES (DESCRIPTION OF STUDY LOCATION, DIAGRAM OF TRANSECT/PLOT LAYOUT, DESCRIPTION OF PHOTO POINTS, ETC. IF MORE SPACE IS NEEDED, USE REVERSE SIDE OR ANOTHER PAGE.)

Illustration 1. Study Location and Documentation Data.

Soil:	:										Rang	je Site:					Lo	cation:			S:		T:		R:
Soil: Precipitation:			Elev.	(m)			As	spect:				Use H	istory:		nt, Medium,		s	eason (of Use:					Slope:	R:
														(Ligh	nt, Medium,	Heavy)									
Animals:						_	Last I	Burn:			-	Ecol	ogical S	Status:			_	Plot Siz	e/Shp:			_ В	rush C	ontrol:	
Growing season:			(kind)			A Nur	nber:		(D	ate)			С	anopy:				SCD:		Record	ders:				
	(good, r	normal, p	oor)	•	= ====										- ("	% Tree sha	ide)	•							
											Α	В		С	D	E	F	G	Н	-1	J	K	L	М	N
Plot number	1	2	3	4	5	6	7	8	9	10	Estin	nated	Clip	ped we	ights										
Plants % density																1	Tot.		Dry				Tot.		
Stone % surface											1				Tot.		Corr.	Dry					Wt.		
Litter % surface												Tot.	plo	ot#	Green	Corr.	Green	Wt.	All	Util.	Sub-	Pheno	All	Lbs/	%
Species/Pheno.				W	eight i	n gran	ns		-		All	Circ.			Wt.	Fact.	Wt.	Fact.	Plots	%	Total	Factor	Plots	Acre	Comp
					T																				
	+	_																							
	+-	_	-		-	-	\vdash	-		_	-			_			1	 							
	+		-	-	-	-	-	-	_	-	-	-		-	-		-	-							
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	-		_	_	_																				
Yield (grams)	1										Date					Tot.									

Illustration 2. Total Annual Yield and Composition Record.

NV-ECS-1											U.S Department o	
4/88 (Rev)											Soil Conservation	Service
					Range	Inven	itory Works	heet				
Site Name	9							MLRA			Write-up No.	
Ranch or S		2 No.							-			
Photo No.												
Soil Taxor Field Offic		Jnit								N	7	
Location:	in a	T			?				$\vdash\vdash$	\vdash	+	
Location.	Long:		Lat:		`			W	\vdash	\vdash	d E	Location in section
Conservat						Date:				S	1	
(1)	(2) ≥	(3)	(4)	(5)	(6)	(7)	Evaluate each	n indicator in re			or the site (circ	le those that apply)
Plant Group %	Phenology	Symbol or Common Plant	Cover	Weight (Ib/ac)	% Present by Weight	Climax Weight	Conditions Class Indicators	% Climax Vegetation		ecies ersity	Production %	Condition rating
Comp.	P	Name	%	> -	έ % Δ	% by	atol	100-76		0	100-76	Excellent (PNC)
ass.							nditions Cla	75-51	1	-2	75-51	Good (Late Seral)
Gre							Duo L	50-26		-4	50-26	Fair (Mid Seral)
S & G	_				-			25-0		PA1	25-0	Poor (Early Seral)
sse	_				+		Final Condition		MID-SE	KAL		Apparent Trend
Grasses & Grass- Like Plants								Plant Vigor Decreasers				(Circle One)
% Weight					-		ي	Age Class				I man sou sin a
% Cover	_				_		ato	Distribution Decreasers				Improving
76 COVC1					_		į	Increaser/				
				VI. COM			- - -	Invaders				Declining
S							Trend Indicators	Soil Erosion				•
Forbs								Total				Not Apparent
					†			Use History:				
% Weight							>	Kind of Anima	al:			
							Site History	Season of Us	e:			
% Cover							デ	Wildlife Speci	es:			
							Site	Burning Histo				
S	-				-			Logging Histo				
ž					-			Cropping Hist Elevation			Slope	Azimuth (°)
σ.	_				1		1	Lievation	(111)		Оюре	Azimaar ()
Se							1	Major or Com	ponent L	andform	ĺ	
Trees & Shrubs							siography	Slope Compo	onent (Cir	rcle one)	Crest Backslope	Summit Shoulder Footslope
% Weight							Sio	Kind of Slope	(Circle o	ne)	Straight	Concave Convex
7 = 1 = 2							Phy	Microrelief:				
% Cover							_	Depth of Water				
	-							Drainage Clas				
(0)		Totals		0/ 04			(Vou Cassiss)	Frequency of Duration of FI				
(8) Notes:	Pr	esent Utilization		% of		-	(Key Species)	Duration of Fi	ooding o	r Fondin	g.	
Notes.												
Treatmen	t Needs	s:										
Special C	onside	rations (e.g, critical	habitat, ri	parian zone,	etc.):							
Associate	d Sites	i.										

Illustration 3. Range Inventory Worksheet.

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APPENDIX B SAMPLE LOCATION DATA

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	Daniel City			le Location	Data		10===1
Association	Range Site Number	Sample Location	UTM: easting	UTM: northing	Elevation (m)	Slope (%)	Aspect (degrees
A	029XY006	06A	565551	4177566	1907	3-4	68
**	029XY008	08A	564094	4180388	1950	4-5	84
	023/11000	0071	201071	1100500	1920	, ,	01
В	029XY006	06B	546843	4185298	1821	3	211
	029XY008	08B	553716	4180448	1935	3-4	249
	029XY008	08C	546535	4189215	1894	2-3	240
	029XY049	49A	546207	4185851	1823	2-3	191
	029XY090	90A	545502	4186214	1824	1-2	220
С	029XY012	12B	550235	4165379	1615	0-1	227
	029XY012	12C	554645	4156304	1587	2	239
	029XY090	90C	554353	4163953	1713	3	271
E	029XY006	06E	560861	4162930	1909	4-6	134
	029XY008	08D	562914	4165758	1862	3	130
	029XY014	14A	559799	4162179	1972	10	46
	029XY090	90B	566701	4168053	1815	3	131
G	029XY022	22A	562938	4159046	1782	4-5	113
	029XY046	46A	562918	4158919	1777	5	151
	029XY087	87B	563327	4160231	1792	3-5	90
Н	029XY042	42B	567025	4154175	1619	0-1	121
	029XY046	46B	567722	4161566	1701	1	117
	029XY090	90D	564057	4155631	1687	3	120
I	029XY017	17B	568216	4153350	1598	0-1	133
	029XY017	17C	570132	4155968	1610	1-2	301
	029XY020	20A	568630	4153050	1595	0	flat
	029XY059	59A	570079	4153009	1599	0	flat
	029XY059	59B	568641	4152773	1597	0	flat
J	029XY042	42C	571921	4162231	1657	0-1	265
K	029XY016	16B	574475	4160301	1710	2-3	285
	029XY016	16C	573717	4146727	1646	2-3	275
	029XY046	46F	572589	4163553	1669	0-1	281
L	029XY042	42D	570199	4141183	1612	0-1	112
	029XY046	46D	570732	4143471	1599	0-1	106
M	029XY046	46E	567041	4146431	1602	0-1	69
	029XY090	90E	565428	4147791	1607	3-4	99

	Ta	ble B-1. Sa	mple Loca	ation Data	(Continued)		
Association	Range Site Number	Sample Location	UTM: easting	UTM: northing	Elevation (m)	Slope (%)	Aspect (degrees)
N	029XY006	06D	569778	4133484	1696	1-3	45
	029XY042	42E	569928	4133446	1696	2-3	315
О	029XY017	17A	549549	4159352	1554	0-1	227
	029XY020	20B	549625	4157383	1551	1-2	270
P	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Q	029XY006	06C	555269	4165574	1772	6	276
	029XY016	16A	555567	4161994	1739	4-5	263
	029XY087	87A	555483	4154634	1585	2	273

APPENDIX C

TOTAL ANNUAL YIELD AND COMPOSITION RECORD FORMS

These forms contain production data collected during range condition sampling.

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Soil:					Loam	У					Rang	e Site:		029XY	006NV		Lo	cation:	NW	'HR	S:	NA	T:	NA	R:	NA
Precipitation:	8-	10	Elev.(m)	19	07	As	pect:	6	8		Use H	istory:		Jnknow Medium, I		S	eason o	of Use:		All yea	r		Slope:	3-4	ar one standard as a constant
Animals:	boro	oc ont	olono	robbit		<u> </u>	l act l	Burn:	N	Δ	<u> </u>	Ecolo	aical S	Status:	panners	A	p	lot Size	o/Shn·	91	5 ft	R	rush C	ontrol:		NA
Allillais.	11015	so, and	(kind)	Iannii	.5		Lasti			rte)	1	LCOIO	gicai	, i di i i di	13				-, -, ., .,	· · · ·						(Date)
Growing season:		Good			SW	A Nur	nber:			06/	Д		Ca	nopy:		0%		SCD:		NA		Record	lers:	K.BLO	MQUIST;	S.KOZUSKO
	(good,	normal,	poor)													Tree sha										
Denotes clipped plots		X							X		Α	В	(D	Е	F	G	Н		J	K	L	M	N	MARTINE ARTHUR CO
Plot number	1	2	3	4	5	6	7	8	9	10	Estima	ted	Clipp	ed wei	ghts					***************************************						
Plants % density												mon				0-10-10-111 (FI	Tot.		Dry	*****************			Tot.			
Stone % surface															Tot.		Corr.	Dry	Wt.	1.163		D.	Wt.	1		
itter % surface											Tot.	Tot.		t#	Green	Corr.	Green	Wt.	All Plots	Util.		Pheno	All	Lbs/	%	Notes
Species/Pheno.	<u> </u>	_			eight					40	All	Circ.	2		Wt.	Fact.	Wt.	Fact.		%	_	Factor	-	Acre	Comp	(Phen. Facto
HIJA	5			8	5	5.5	13	4	2	10	52.5	2		1	1	0.5			9.975		9.975				3.2%	2
ACHY		5			T						5	5	5		5	1	5		1.95		1.95				0.6%	2
SIHY	_	5	17	-	5	_	_		35		62	40	7	36	43	1.075	66.65	0.37	24.66		24.66	2.55	62.88	62.88	5.6%	3
ASLE		-								7	7	0			0	1	7	0.2	1.4		1.4	1.18	1.652	1.652	0.1%	4
ERIGERON									T		T															4
KOAMV		-								Т	Т															2
ATCO								1			1	0			0	1	1	0.18	0.18		0.18	7.14	1.285	1.285	0.1%	3
CHVI								3		23	26	0			0	1	26	0.32	8.32		8.32	-			2.9%	2
ARTRW		155	480	217	310	56	136	62	347	3	1766	502	136	240	376	0.749		0.49	648.1		648.1	1.51	978.7		87.4%	4
CACTUS	_	-		-			T				Т						-				-					
	_			-	-																					
		-																					×			
																						-				
		-						-																		
Yield (grams)		-		-							Date	ne L	/07/199	99		Tot.								1120	100.0%	

Soil:					Loam	у					Rang	e Site:		029XY	006NV		Lo	cation:	NW	/HR	S:	NA	T:	NA	R:	NA
Precipitation:	8-	10	Elev.	(m)	18	321	As	pect:	2	11		Use H	listory:	l	Jnknow		S	eason	of Use:		All yea	r		Slope:	3	
Animals:	hores	e ant	alone	rabbit			Last	Rurn	N	IA.	!	Fcole	gical S		Medium,	Heavy)	P	Int Siz	e/Shp:	91	: 6 ft	В	rush C	ontrol:	. ~ 2300 W3W3W 3333000	NA
Ammaisi	110136	o ann	(kind)	Tabbii		•	Lust			ate)			· gicai ·	Julius.						0.0			14011 0			(Date)
Growing season:		Good			SW	A Nui	nber:			06	В		C	anopy:		0%		SCD:		NA		Record	lers:	V. WIN	IKEL;M. N	MAIN
		normal,	poor)								1					Tree sha	de)				-					
Denotes clipped plots	X				X	-	-	-		ļ	A	В		0	D	E	F	G	Н		J	K	L	М	N	
Plot number	1	2	3	4	5	6	7	8	9	10	Estima	ted	Clip	ped we	ights											
Plants % density					-		_										Tot.		Dry				Tot.			me
Stone % surface							-		-	_				L	Tot.		Corr.	Dry	Wt.		l		Wt.			A
Litter % surface											Tot.	Tot.		ot #	Green		Green		All	Util.	Sub-	Pheno	All	Lbs/	%	Notes
Species/Pheno.				W	eight	in gra	ms				All	Circ.	1			Fact.	Wt.	Fact.	Plots	%	Total	Factor		Acre	Comp	(Phen. Facto
ACHY	5	2	T		T			1	1	4	13	5	8		8				8.528		8.528		19.7	19.7	3.3%	3
SIHY	1	T	T	8	2			T			11	3	1.5	2	3.5	1.167	12.83		5.518		5.518				1.7%	4
STCO					4	3	3	4	3	1	18	4		4	4	1	18	0.4	7.2		7.2	1.88	13.54	13.54	2.3%	3
HIJA							1				1	0			0	1	1	0.38	0.38		0.38	3.64	1.383	1.383	0.2%	2
MACA	T				T						Т														Т	2
ARTRW	144	180	144	90	216			30	90		894	360	80	204	284	0.789	705.3	0.49	345.6		345.6	1.51	521.8	521.8	87.8%	4
GRSP	3		8								11	3			0	1	11	0.13	1.43		1.43	2.86	4.09	4.09	0.7%	2
CHVI			4	2	13	1				Т	20	13		10	10	0.769	15.38	0.32	4.923		4.923			19.2	3.2%	2
ATCA							3				3	0			0	1	3				0.48			4.8	0.8%	2
														-												
																				-,-						
VC 1.17											5		20011													
Yield (grams)											Date	06	5/03/199	39		Tot.					<u> </u>	L		594.4	100.0%	

Soil:					Loam	у					Rang	e Site:		029XY	006NV		Lo	cation:	NW	'HR	S:	NA	T:	NA	R:	NA
Precipitation:	8-	10	Elev.	(m)	17	72	As	spect:	27	76		Use H	listory:		Jnknow		S	eason	of Use:		All year	r		Slope:	6	
Animals:	horse	i es,ant			s		Last	Burn:		IA		Ecolo	gical	Contract of the Contract of th	Medium, I	A A	Р	lot Siz	e/Shp:	9.6	5 ft	В	rush C	ontrol:	······································	NA
~ · · · · · · · · · · · · · · · · · · ·	Name of the last o	Good	(kind)		CIAI	A N	nber:	<u> </u>	(O:	ate) 06	<u> </u>		C	anopy:		0%	i	SCD:		NA		Record	lores	V/ VA/IN	IVEL S DI	(Date) ETERSEN
Growing season:	(good,	normal,			344	Anu	iibei.		17,400,400	00				шору.		Tree sha	de)	JCD.		IVA		INCCOLO	101 3.	V. VVIII	INCL, O.I	LICIOLIA
Denotes clipped plots				X			X		NAME OF THE PARTY		Α	В)	D	E	F	G	Н	- 1	J	K	L	М	N	
Plot number	1	2	3	4	5	6	7	8	9	10	Estima	ted	Clip	oed wei	ghts											
Plants % density									_								Tot.		Dry		1 - 100		Tot.			······
Stone % surface		-		_		_	-	-	-		l				Tot.		Corr.	Dry	VVt.	LICI			VVt.	11-7		NI-1-
Litter % surface	_			L.,		<u> </u>		1	1	L	Tot.	Tot.		t #	Green	Corr. Fact.	Green Wt.		All Plots	Util.	Sub- Total	Pheno		Lbs/	%	Notes (Phen. Factor
Species/Pheno.			_	_	eight	ın gra	_		1		All	Circ.	4		Wt.			Fact.		70		Factor		Acre	Comp	
SIHY	7.5	12	6	3		_	T	3	7.5		39				3		39		16.77		16.77	1.79	-		5.6%	4
HIJA	_	2	8	5	15		4		-	2	36				10		40		12.8		12.8			34.3	6.4%	3
ACHY	_	-		-	_	T	0.5	-	-	_	0.5	0.5		1.5	1.5	3	1.5	0.39	0.585		0.585	3.27	1.913	1.913	0.4%	2
ASLE	Т										Т														Т	4
CHVI	21		24	18.2	11.2						74.4	18.2	22		22	1.209	89.93	0.32	28.78		28.78	3.9	112.2	112.2	21.0%	2
ARTRW		87.5	170	150			200	40			647.5	350	127	133	260	0.743	481	0.49	235.7		235.7	1.51	355.9	355.9	66.6%	4
EPNE				Т			T				T												-		T	2
KRLA										Т	Т														T	2
														4												
	-	-		-		-	-		-																	
		-		-				-	-														-			
rield (grams)											Date	08	5/08/19	99	<u> </u>	Tot.					<u></u>	<u></u>	L	534.4	100.0%	

Soil:			Sha	llow C	alcar	eous l	_oam				Rang	e Site:		029XY	008N√		Lo	cation:	NW	HR_	S:	NA	T:	NA	R:	NA
Precipitation:	8-	10	Elev.(m)	19	950	As	spect:	8	34		Use H	istory:	ι	Jnknow	n	S	eason	of Use:		All yea	ır		Slope:	4-5	
Animals:	horse	es,ant	elope	rabbit	s		Last	Burn:		IA		Ecolo	gical S		Medium, I	A	P	lot Siz	e/Shp:	9.0	6 ft	В	rush C	ontrol:		NA
		•	(kind)	1			1		(0	ate)	<u> </u>					0%		SCD:		NA		n		K DI O	MOLUCT.	(Date) S.KOZUSKO
Growing season:	(good.	Good			244	A Nui	mber:		i	08/	A T		Li	пору:	(%	Tree sha	de)	SCD:		NA		Record	iers:	K.BLU	MIGIOIS1,3	S.KUZUSKU
Denotes clipped plots			Х			1		X			A	В	(>	D	E	F	G	Н	I	J	K	L	М	N	
Plot number	1	2	3	4	5	6	7	8	9	10	Estima	ted	Clipp	ed wei	ghts											
Plants % density																	Tot.		Dry				Tot.			
Stone % surface															Tot.		Corr.	Dry	Wt.	ACMENT TO MAKE MAKE MAKE		1	Wt.		- www.	
Litter % surface											Tot.	Tot.		t #	Green	Corr.	Green	₩t.	All	Util.	Sub-	Pheno		Lbs/	%	Notes
Species/Pheno.				W	eight	in gra	ms				All	Circ.	3	8	Wt.	Fact.	Wt.	Fact.	Plots	%	Total	Factor	-	Acre	Comp	(Phen. Facto
HIJA			5	1		1					7	5	6		6			0.37			3.108		11.78		1.4%	11
SIHY		3	5		5		12	20	2		47	25	6	23	29	1.16	54.52	0.37	20.17		20.17	2.55	51.44	51.44	5.9%	3
ACHY				Т							T														T	2
		_				1	-	-										0.40	4.50		4.50	0.00	10.00	10.00	4.004	
ASLE		8				-	-			-	8	0		-	0	1	8	0.19	1.52		1.52	6.83	10.38	10.38	1.2%	2
ARNO		120	130	120	150	12	345	105	155	68	1205	235	154	98	252	1.072	1292	0.48	620.2		620.2			793.9	91.2%	3
EPNE							-			4	4	0			0	1	4	0.38	1.52		1.52	2.12	3.222	3.222	0.4%	2
		-		-	-	-	-	-	-	-	-						-					-				
							1					-														
					_		-		_	-						-					-	-	,			
		-	-	-	-	-	-	-	_	-																
					-	-	-	-			-	_														
				-		_	_																			-
					-	-				-												-				
																									1	
Yield (grams)				L							Date	08	/08/199	9		Tot.				······································	1			870.7	100.0%	

Soil:	e communi		Sha	llow C	alcare	eous l	Loam				Rang	e Site:		029XY	008N∨		Lo	cation:	NΛ	/HR	S:	NA	T:	NA	R:	NA
Precipitation:	8	10	Elev.	(m)	19	935	As	spect:	2	49		Use F	listory:		Jnknow Medium,		S	eason	of Use:		All yea	r		Slope:	3-4	
Animals:	hore	oc ant	olono	rahhit	·	1	Lagt	L Burn:	\ \ \	JA		Fcol	gical S	No.		iA	P	lot Siz	e/Shn·	91	5 ft	В	rush C	ontrol:		NA
Allillais.	11013	co,ani	(kind)		3		Lust	Ţ		ate)		LOUI	givai .	Julius.				101 312	o, onp.	, , , , , , , , , , , , , , , , , , ,			i doll C	VIIII VII.		(Date)
Growing season:	season: Good SWA Number:			08	В		Ca	пору:		0%		SCD:	NA	Record	lers:	K.BLO	MQUIS	T;S.KO	ZUSKO;N	1.HESSING						
	(good,		poor)	-	-		1	-				-				Tree sha		-				17				
Denotes clipped plots		X	-	-	-	-	X	-	-		A	В			D	E	F	G	Н		J	K	L	М	N	· · · · · · · · · · · · · · · · · · ·
Plot number	1	2	3	4	5	6	7	8	9	10	Estima	ted	Clip	oed wei	ghts						- 11 m m + 11 m (p-14				act at the control of	
Plants % density	_	-		-	-	-	-	-	_		<u> </u>	and the same					Tot.		Dry				Tot.			s - MS-MILLE II - Committee
Stone % surface	-	-		-			-	-		-					Tot.		Corr.	Dry	Wt.	1.14.71		 	Wt.		0/	
Litter % surface	-			100			<u> </u>				Tot.	Tot.	2	t #	Green Wt.	Corr. Fact.	Green	VVt.	All Plots	Util.		Pheno	All	Lbs/	%	Notes
Species/Pheno.	-				eight	ın gra T	ms		_			Circ.					Wt.	Fact.		76	-	Factor	-	_	Comp	(Phen. Factor
HIJA		2	1	5	-	-	<u> </u>	-	-	-	8		3		3		-		4.44		4.44				4.5%	1
SIHY	1.5	2.5		3	2	4	3	3	T	-	19		7		15	2.727			22.28	_	22.28				10.6%	4
ACHY			3				2				5	2		2	2	1	5	0.39	1.95	1.11	2.165	3.27	7.078	7.078	1.9%	2
BRTE	T	-		-	-	-	-	-	T	<u> </u>	Т						-	-						-	T	4
SPAM		-	1	-			+	-	-		1	0			0	1	1	0.19	0.19	_	0.19	6.83	1.298	1.298	0.3%	2
ERIGERON			1						1		2				0	1	2				0.28		0.311		0.1%	3
MACA									Т		Т														T	1
CHVI						T					T														T	2
ATCO					24	30					54	0			0	1	54	0.18	9.72		9.72	7.14	69.4	69.4	18.4%	3
ARNO	58.5	65.5	13	104	15.6	26	78	26		7.8	394.4	143.5	82.5	58	140.5	0.979	386.2	0.48	185.4		185.4	1.28			62.8%	3
KOAMV			3.6		1.8	Т	Т				5.4	0			0	1	5.4	0.39			2.106				1.5%	2
	_			-			-	-									-									
						_	_	<u> </u>	-																	
		-					-	-												-	-					
																									8	
					-		-	-									-	-			-			-		
Yield (grams)							1				Date	00	5/07/199	99		Tot.								377.7	100.0%	

Soil:			Sha	llow C	alcare	eous L	oam				Rang	e Site:		029XY	008NV		Loc	cation:	NW	/HR	S:	NA	T:	NA	R:	NA
Precipitation:	8-	10	Elev.(m)	18	394	As	spect:	2	40		Use H	istory:		Jnknow		Se	eason (of Use:		All year	r		Slope:	2-3	
Animals:	horeo	e ant	alona	rahhit		-	last	Burn:		IA		Fcolo	gical S		Medium, I	~~~~~	Р	lot Siz	e/Shp:	91	6 ft	F	rush C	ontrol:		NA
Aiiiiiais.	110136	Signific	(kind)		.5		Luat	T		ate)		LVVI	gicai	· · · · · · · · · · · · · · · · · · ·					J. J. I.	<u> </u>						(Date)
Growing season:		Good			SW	A Nur	nber:			080			Ca	пору:		0%		SCD:	NA	Record	ders:	K.BLO	MQUIS	T;V.WIN	NKEL	
	(good, r	normal,					and the second								-	Tree sha	-			-						
Denotes clipped plots	X		X					-		1	A	В	0		D	Е	F	G	Н	1	J	K	L	M	N	was an angle of the second
Plot number	1	2	3	4	5	6	7	8	9	10	Estima	ted	Clipp	ed wei	ghts		l									
Plants % density					-	-		-			L						Tot.		Dry				Tot.			
Stone % surface					<u> </u>	-	-	-	-		T-4	T-4	ola	. Д	Tot. Green		Corr.	Dry	Wt.	Util.	Sub-	Pheno	Wt.	Lbs/	%	Notes
Litter % surface				100	1 1 1 1						Tot.	Tot. Circ.	1	3	V-000000000000000000000000000000000000	Corr. Fact.	Green Wt.	Wt. Fact.	All Plots	%		Ten	· · · · · · · · · · · · · · · · · · ·		76 Comp	(Phen. Factor
Species/Pheno.	40					in gra	ms	1 0	_							_			_			Factor		Acre		
SIHY	12		3	T	5	-		2	-	-	22	15	28	3	31		45.47	0.43			19.55			35	5.2%	4
ACHY				3			_	T			3	0			0	1	3	0.39	1.17		1.17	3.27	3.826	3.826	0.6%	2
BRTE		T					1	-	_	_	T														T	
																										2
PHST	_	T	T		T	-	T				T														T	2
ARNO	150	45	75	90	112	45	70	60	40	100	787	225	144	144	288	1.28	1007	0.48	483.5		483.5	1.28	618.9	618.9	92.5%	3
CHVI								8			8	0			0	1	8	0.32	2.56		2.56	3.9	9.984	9.984	1.5%	2
KOAMV						1				T	1	0			0	1	1	0.39	0.39		0.39	2.7	1.053	1.053	0.2%	2
			_		_	_	_	-																		
			_		-	-	-	-													-					
																										ALCOHOLD
											-															
					-																-					
Yield (grams)			_			-					Date		3/03/199			Tot.					ļ				100.0%	

Soil:			Sha	llow C	alcare	eous l	oam				Rang	e Site:		029XY	008N∨		Loc	cation:	NW	/HR	S:	NA	T:	NA	R:	NA
Precipitation:	8-	10	Elev.	m)	18	362	As	pect:	13	30		Use F	listory:		Jnknow		Se	eason (of Use:		All yea	r		Slope:	3	
	ļ	1	I	L	1	-	ļ.,	<u></u>		L				was all will be a series	Medium, I	Appendict to y										
Animals:	horse	es,ant	elope (kind)	rabbit	S		Last	Burn:		A ste)		Ecole	gical 9	status:	N	Α	. Р	lot Siz	e/Shp:	9.1	6 ft	В	rush C	ontrol:		(Date)
Growing season:	t distance of the second	Good			SW	A Nui	nber:			08	D		Ca	nopy:		0%		SCD:	NA	Record	ders:	M.HES	SING;	s.KOZU	SKO;K.B	LOMQUIST
	-	normal,	poor)						West of the second seco						-	Tree sha					-			-		
Denotes clipped plots	X						X				Α	В	(D	E	F	G	Н	1	J	K	L	М	N	
Plot number	1	2	3	4	5	6	7	8	9	10	Estima	ted	Clip	oed wei	ghts										Married Land	
Plants % density																	Tot.		Dry		ļ		Tot.			
Stone % surface					_	_									Tot.		Corr.	Dry	Wt.			es a weathwater	Wt.		Marketon	
Litter % surface											Tot.	Tot.	plo		Green	Corr.	Green	₩t.	All	Util.	Sub-	Pheno	All	Lbs/	%	Notes
Species/Pheno.				W	eight	T			_		All	Circ.	1	7	Wt.	Fact.	Wt.	Fact.	Plots	%		Factor	_	Acre	Comp	(Phen. Factor
ACHY		T			1	4	T				5				0	1	5				1.95		6.377	6.377	0.9%	2
HIJA			5								5	0			0	1	5	0.37	1.85		1.85	3.79	7.012	7.012	0.9%	11
SIHY										Т	T														Т	2
ASPU	-	_		2	Т	-	2	-	-	1	5	2		2	2	1	5	0.19	0.95		0.95	6.83	6.489	6.489	0.9%	2
UNK. FORB	<u> </u>		 		+-	 	-	 		T	Т	-					- 3	0.13	0.55		0.55	0.03	0.403	0.403	T 0.5 %	1
ATCO	46										46		46		46	1	46				10.12				3.6%	4
ARNO	101	56		7	308	7	104	92.4	112	294	1081	205	92	103		0.951	1029	0.48			493.8			632	84.6%	3
CHVI	11										11		11		11	1	11				3.52		13.73		1.8%	2
EPNE						68			-		68	0			0	1	68	0.38	25.84		25.84	2.12	54.78	54.78	7.3%	2
		-			-	-	-	-																		
																								-		
	-	_		-	-	-	-	-			 						-									
	-			-	-	-	-	-	-																	
Yield (grams)											Date	0	6/08/199	39		Tot.					11.17			747	100.0%	

Soil:					Sand	4					Rang	e Site:		029XY	012NV		Lo	cation:	NA.	VHR	S:	NA	T:	NA	R:	NA
Precipitation:	5	-8	Elev.	(m)	16	15	As	pect:	2	27		Use H	istory:	Į	Jnknow	n	S	eason	of Use:		All year	r		Slope:	0-1	
			ļ	L	l		ļ	<u></u>	! .	<u></u>					Medium,		n	l-4 C!-	- /Cl				L C	ontrol:		NA
Animals:	horse	s,ant	(kind)		s		Last	Burn:		JA ate)	 	Ecolo	gical !	status:	1	A	P	lot Siz	e/Snp:	9.	6 ft		rusn C	ontroi:		(Date)
Growing season:		Good			SW	A Nui	mber:		************	121	В		Ci	anopy:		0%		SCD:	NA	Record	ders:	V.WIN	KEL;S.	PETER	SEN,J.GE	LLER
		normal,	poor)					<u> </u>			1				-	Tree sha										
Denotes clipped plots	X				-	-		X			A	В		>	D	E	F	G	Н		J	K	L	М	N	
Plot number	1	2	3	4	5	6	7	8	9	10	Estima	ated	Clip	ped wei	ights						~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~					F)1155111 S) W. F.
Plants % density							_	_	_	-					L		Tot.		Dry	ļ			Tot.			
Stone % surface	-				-		-	-	_	-	l				Tot.		Corr.	Dry	VVt.		1		Wt.			M. I.
Litter % surface	-				<u> </u>		L				Tot.	Tot.		t #	Green		Green		All	Util.		Pheno	All	Lbs/	%	Notes
Species/Pheno.					eight				_		All	Circ.	1		-	Fact.	Wt.	Fact.	Plots	%	The Real Property lies and the least lies and the lies and the lies and the least lies and the l	Factor	-	Acre	Comp	(Phen. Facto
ACHY		2.75		22			13.8	11		27.5		88	69			0.909		-	73.8		73.8		170.5		34.0%	3
HIJA	7.5	90	45	16.3	22.5		-	_	-	-	181.3	7.5	5		5	0.667	120.8	0.32	38.67	-	38.67	2.68	103.6	103.6	20.7%	3
ASLE			6.5		9.75			6.5		<u> </u>	22.75	6.5		7	7	1.077	24.5	0.2	4.9		4.9	1.18	5.782	5.782	1.2%	4
SAIB					Т	Т	5	6	3		14	6		6	6	1	14	0.14	1.96		1.96	88.33	173.1	173.1	34.6%	1
UNK. FORB						Т					Т														T	1
MACA								5			5	5		5	5	1	5	0.24	1.2		1.2	1	1.2	1.2	0.2%	4
KRLA	24.5	_		-	-	1.4	T	_		-	25.9	24.5	34		3/	1.388	35.94	0.39	14.02		14.02	27	37.85	37.85	7.6%	2
CHVI	24.5	_	T	\vdash	-	1.4	 ' -	1.5	9	1	10.5	1.5	34	1	1	0.667	7	0.32			2.24		8.736		1.7%	2
								1.0			10.5	1.5				0.007	,	0.32	2.24		2.24	3.3	0.730	0.730	1.70	
Yield (grams)	1		-		-	-	-	_	-	 	Date	00	5/07/199	20		Tot.	-		-	_				500.0	100.0%	

Soil:					Sand	γ					Rang	e Site:		029XY	012NV		Loc	cation:	NA	/HR	S:	NA	T:	NA	R:	NA
Precipitation:	5	5-8	Elev.(m)	15	87	A	spect:	2	39		Use H	istory:	ا	Jnknow		Se	eason (of Use:		All yea	r		Slope:	2	-(11(0))
Animals:	hara		olono	robbit	<u></u>		Lact	Burn:	N	JA		Fcol	gical 9	A . W. S. C.	Medium, I	eavy) A	D	lot Siz	o/Shn·	q	6 ft	F	ruch C	ontrol:		NA
Allillais.	11015	es,anı	(kind)	Iauuii	.5		Last	Dain.		ate)		LCOI	ygicui .	/tutus.				IVI JIE	o, onp.	0.	Ĭ	ONTE COLUMN				(Date)
Growing season:		Good			SW	A Nui	mber	:		12	С		Ca	пору:		0%		SCD:	NA	Record	ders:	K.BLO	MQUIS	T;M.HE	SSING;S	KOZUSKO
	(good,	normal,	poor)													Tree sha	_				 	17				
Denotes clipped plots		-			X		-	X	-		Α	В	0		D	Е	F	G	Н		J	K	L	М	N	- continuous communication and the contraction of t
Plot number	1	2	3	4	5	6	7	8	9	10	Estima	ted	Clipp	ed wei	ghts	LANCE CONTRACTOR TANAMA	T-4	www.	D				Tot.			
Plants % density		-		-	-	-	-	-		-	 				Tot.		Tot. Corr.	Dry	Dry Wt.				VVt.			
Stone % surface		-	-	_	-	-	-	-	-	-	Tot.	Tot.	olg	. #	Green	Corr.	Green	Wt.	All	Util.	Sub-	Pheno	A CONTRACTOR	Lbs/	%	Notes
Litter % surface Species/Pheno.		1		100	Za i au la A						All	Circ.	5	8		Fact.	Wt.	Fact.	Plots	%	-	Factor	Days - Commission - Co. (C)	Acre	Comp	(Phen. Facto
THE RESERVE THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER.	Т	Lin	1	9	eight	_	_	21	7	1 2	-	-	56	30		2.457	267.8	0.44	117.8	_	117.8			_	27.5%	4
ACHY	1	45	1	9	14	2	8	21	/	2	109			30	86 0	2.45/	207.0				+					
HIJA		-	1		-		-		_	-		0			U	1	1	0.38	0.38		0.38	2.46	0.935	0.935	0.1%	4
BRTE		-	-		-	_		T		-	1										-				1	5
CRYPTANTHA	Т										Т														T	4
SAIB		T	2	3		1	10	T	Т		16	0			0	1	16	0.14	2.24		2.24	88.33	197.9	197.9	25.7%	1
STPA							5				5				0	1	5	0.21	1.05		1.05	3.94			0.5%	2
DOED	14	-	26.3		10.5	_	-	-	_	-	50.75	10.5	25		25	2.381	120.8	0.26	31.42	-	31.42	3.26	102.4	102.4	13.3%	3
PSFR	14	-	20.3	-	10.5	16	-	-		-	17	10.5	1		20	2.301	17	0.33	5.61		5.61	1.23		6.9	0.9%	3
TEGL		04.0	407	07	1	10		00.2		-				rr		0.005										
ATCA		64.2	107	27				80.3			2/8.5	80.25		55	55	0.685	190.8	0.18	34.35		34.35	7.14	245.3	245.3	31.9%	3
		-					-										-			-	-					
		-	_				-			-							-				-					
		+			-		+	-	-																	
		-	-	-		-	-			-																
		-	-	-	-	-	-			-	-															
Yield (grams)											Date		5/08/199			Tot.									100.0%	

Soil:	distance of the same of the sa			Loa	my Up	oland					Rang	e Site	:	029XY	016NV		Lo	cation:	NV	VHR	S:	NA	T:	NA	R:	NA
Precipitation:	5	-8	Elev.	(m)	17	739	A	spect:	2	63		Use	History:	(Usha	Jnknow Medium,	n In	S	eason	of Use:		All yea	r		Slope:	4-5	
Animals:	hors	es,ant	elope	rabbit,	S		Last	Burn:		lΑ	•	Eco	logical			A	P	lot Siz	e/Shp:	9.	6 ft	6	Brush C	ontrol:		NA
Growing season:		Good	(kind)	To the same of the	SW	i A Nur	mher		(0	ate) 16/	Δ.		C	anopy:		0%		SCD:	NA	Recor	ders:	V WIN	KEL:S	PETER	SEN;J.GE	(Date)
Civiling Scasviii	(good,	normal,		1						1						Tree sha										
Denotes clipped plots		1				X		X	Personality		Α	В		С	D	E	F	G	Н	1	J	K	L	M	N	
Plot number	1	2	3	4	5	6	7	8	9	10	Estima	ated	Clip	ped wei	ghts	***************************************										
Plants % density																	Tot.		Dry				Tot.			
Stone % surface															Tot.	4.00.000	Corr.	Dry	Wt.				VVt.			
Litter % surface											Tot.	Tot.		ot #	Green	Corr.	Green	at the common to	All	Util.	Sub-	Pheno	ACTUAL CO.	Lbs/	%	Notes
Species/Pheno.				W	eight	in gra	ms				All	Circ.	6	8	₩t.	Fact.	Wt.	Fact.	Plots	%	_	Factor	Plots	Acre	Comp	(Phen. Factor
ERPU	1.5			13.5	9				4.5	19.5	48				0	1	48	0.44	21.12		21.12	1.92	40.55	40.55	7.3%	4
ACHY	3.6							7.25			10.85	7.2	5	9	9	1.241	13.47	0.44	5.926		5.926	1.79	10.61	10.61	1.9%	4
BRTE	20	30	15	10	17	10	3	3	3	4	115	13	10	7	17	1.308	150.4	0.39	58.65		58.65	1.13	66.27	66.27	12.0%	4
SIHY		1.5			4.5						6	1			0	1	6	0.43	2.58		2.58	1.79	4.618	4.618	0.8%	4
HIJA		7.5	9		10.5		60	28.5	30	11.3	156.8	28.	5	23	23	0.807	126.5	0.38	48.07		48.07	2.46	118.3		21.4%	4
SPCR			15								15	1			0	1	15		6.15		6.15				2.6%	3
														1									1 11			
DEPI	Т								2		2	1			0	1	2	0.24	0.48		0.48	4.04	1.939	1.939	0.4%	4
MACA			4								4	1			0	1	4	0.24	0.96		0.96	1	0.96	0.96	0.2%	4
PHST				T							Т														Т	4
SPAM									2		2	1			0	1	2	0.18	0.36		0.36	2.68	0.965	0.965	0.2%	3
EPNE	Т			2							2	(0	1	2	0.38	0.76		0.76	2.12	1.611	1.611	0.3%	2
LYAN		140				15					155	15	10		10	0.667	103.3		20.67		20.67	4.46			16.7%	2
GRSP		58.5	52			15.6					126.1	15.6			29	1.859	234.4		30.47		30.47	2.86			15.8%	2
ARSP				_	11	1010	2.6				13.6		-		0	1	13.6		4.08		4.08	1.88	-	7.67	1.4%	3
, , , , , , , , , , , , , , , , , , , ,											74.4						10.0	0.0	1.00		1.00	1.00	1.01	1.07	1.470	
CACTUS		93	22								115	1			0	1	115	0.21	24.15		24.15	4.38	105.8	105.8	19.1%	3
																		0.21	21.10		1	1.00	100.0	100.0	10.170	
	-		-				1																			
							-		-												-					
		_			_				-				1										-			
	-												 			-										
	-						-		-				1				-				-			-		
Viold (avance)	-			-			-	-			Date	-	6/08/199	20		T-4	-			-				FF0.0	400.00	
Yield (grams)				L							Date		0/00/195	ככ		Tot.				I	<u> </u>			552.8	100.0%	

Soil:	A COLUMN TO THE			Loar	my Up	oland					Rang	e Site:		029XY	016NV	v	Lo	cation:	NV	∨HR	S:	NA	T:	NA	R:	NA
Precipitation:	5	-8	Elev.	(m)	17	10	As	pect:	28	35		Use H	istory:		Jnknow		S	eason	of Use:		All yea	r		Slope:	2-3	MANAGEMENT AND THE STREET
	L	<u></u>			L		Last	D	, N	IA		Easl	gical !	harmon branch branch	Medium, I	Heavy) A	-	Plot Siz	o/Chu		6 ft		ruch C	ontrol:		NA
Animals:	norse	es,ant	(kind)	,rabbit	5	1	Last	Duin:		ate)		ECON	gicai :	status.	IN			101 312	e/Snp.	9.	O IL		iusii C	.0111101.		(Date)
Growing season:		Good			SW	A Nur	nber:			16	В		Ca	апору:		0%		SCD:	NA	Recor	ders:	V.WIN	KEL;K.	BLOMG	QUIST;J.G	ELLER
	(good,	normal,		-				-			I .	_			-	Tree sha		1 0		-	 	17				
Denotes clipped plots	-	X	X		-	6	-	-	-	40	A	В)	D	Е	F	G	Н		J	K	<u> </u>	M	N	//www.
Plot number	1	2	3	4	5	6	7	8	9	10	Estima	ted	Clip	oed wei	ghts		T-4		D		-		Т-4			· · · · · · · · · · · · · · · · · · ·
Plants % density		-	-	-		-	-	-		-					Tot.		Tot. Corr.	Dest	Dry Wt.				Tot. VVt.			x
Stone % surface	_	-	-	-		-	-	-	-		Tot.	Tot.	n la	t#	Green	C	Green	Dry Wt.	All	Util.	Sub-	Pheno	All	Lbs/	%	Notes
Litter % surface Species/Pheno.				10/	-:	<u></u>					All	Circ.	2			Corr. Fact.	Wt.	Fact.	Plots	%	re monther was out	Factor		Acre	76 Comp	(Phen. Factor
	7	Т	10.5	_	eight	in gra	ms -	1 2		0				23.5		_			27.08	_	_			_		
ACHY	/	_	10.5	-		-	+	2		8	27.5	10.5	7	23.5	23.5	-		_			27.08				8.1%	4
HIJA		6.5					6	17	23		52.5	6.5	- /		/	1.077	56.54	0.38	21.48		21.48	2.46	52.85	52.85	8.8%	4
DEPI	T		T								Т														Т	5
SPAM	2	1	2	4	1	Т	Т		Т	5	15	3	1	2	3	1	15	0.26	3.9		3.9	1	3.9	3.9	0.6%	5
MACA	T		T			Т	20	7	12	3	42	0			0	1	42	0.24	10.08		10.08	1	10.08	10.08	1.7%	4
ARABIS		6				2	4				12	6	6		6	1	12	0.43	5.16	5	5.16	1.57	8.101		1.3%	5
CHST							Т				Т														T	4
018.4	Т	_		-		_	_	_		_	-				-		-	-			-				-	-
CHVI	-	25.0	00	-		-00	405		-	-	F70.0	444.0	20		440	0.004	500.0	0.40	70.7		70.7	0.00	240.0	240.0	05.004	2
GRSP		25.8			-	86	185	-	_	-	576.2	111.8	20			0.984					73.7			210.8	35.0%	2
ARSP	12	7.2		33.6	Т	30	T	-	2	24	116	14.4	6		13						31.42	1.88			9.8%	3
KRLA	19.5	39	19.5	46.8		26	20.8	-	28.6	6.5	206.7	58.5	24	32	56	0.957	197.9	0.39	77.17	-	77.17	2.7	208.4	208.4	34.6%	2
				-																						
Yield (grams)											Date	00	5/06/199	20		Tot.								CO4 C	100.0%	

Soil:	National Control			Loa	my Up	pland					Rang	e Site	•	029XY	016NV		Loc	cation:	NV	/HR	S:	NA	T:	NA	R:	NA
Precipitation:	5	-8	Elev.	(m)	18	646	As	pect:	_ 2	75		Use	History:		Jnknow		S	eason	of Use:	M004-000-04-00-04-00-04-00-04-04-04-04-04	All yea	r		Slope:	2-3	
		L	1	1		ļ	<u>. </u>		-	10	-	-	<u> </u>	discount of the same of	Medium,	***************************************		I-4 C!-	- (Cl	0.			L	ontrol:		NI A
Animals:	horse	es,ant	(kind)		S		Last	Burn:		VA late)		ECO	ogical	Status:	- N	Α	P	lot Siz	e/Snp:	9.1	6 ft	D	rusn C	ontroi:		NA (Date)
Growing season:	1	Good	1		SW	A Nu	mber:	1		16	C	dram con-	С	anopy:		0%		SCD:	NA	Record	ters:	V.WIN	KEL;K.	BLOMO	QUIST;J.G	ELLER
	(good,	normal,	poor)		1 1100 1100 1100 1100 1100 1100 1100 1	I	I									Tree sha	de)									
Denotes clipped plots				X	X						Α	В	-	0	D	Е	F	G	Н	1	J	K	L	M	N	
Plot number	1	2	3	4	5	6	7	8	9	10	Estima	ated	Clip	ped we	ights											
Plants % density																want we	Tot.	woximio	Dry				Tot.			
Stone % surface						-				-	ļ. <u>.</u>			L	Tot.		Corr.	Dry	₩t.				Wt.			
Litter % surface				<u> </u>	L	<u> </u>					Tot.	Tot.	-	t#	Green	Corr.	Green	Wt.	All	Util.	Sub-	Pheno		Lbs/	%	Notes
Species/Pheno.			_		eight	in gra	ms			T	All	Circ.	4			Fact.	Wt.	Fact.	Plots	%	Total	Factor	_	Acre	Comp	(Phen. Facto
HIJA		40		30	35		_	7.5	<u> </u>	55	167.5	65		60	131	2.015			128.3		128.3	2.46	-		61.2%	4
SIHY			-	8.75	2	_				T	10.75	10.75	9	3	12	1.116	12	0.49	5.88		5.88	1	5.88	5.88	1.1%	5
BRTE										T	T														T	5
STCO	_			_		-			_	T	T														T	3
SPAM	_		_	36		-			-	10	46	36	35		35	0.972	44.72	0.2	8.944	-	8.944	1.18	10.55	10.55	2.0%	4
ASPU		5								T	5				0	1	5	_	1.3		1.3		1.3		0.3%	5
CRYPTANTHA		T		T				Т		T	T				_		_				1.0	-	1	1.0	T	5
LEPIDIUM		T						T			T														T	4
CHST					7		T	T			7	7	7	7	7	1	7	0.32	2.24		2.24	1.3	2.912	2.912	0.6%	4
HACKELIA					T						Т													2.012	T	4
ERNI								T		Т	T														T	4
SEMU								-	-	2.5	2.5	0			0	1	2.5	0.24	0.6		0.6	1	0.6	0.6	0.1%	4
MENTZELIA		T								T	T		1					0.21	0.0		0.0	·	0.0	0.0	T 0.170	7
HAGL		<u> </u>	Т	Т		T	Т	Т	Т	 	T														T	
PLANTAGO				T		Ė	<u> </u>	·																		
ATCO		27			32		80	Т			139	32		28	28	0.875	121.6	0.18			21.89	7.14	156.3	156.3	30.3%	3
ARSP				4.2	28		T	18			50.2	32.2	2 6	27	33	1.025	51.45	0.44	22.64		22.64	1	22.64	22.64	4.4%	5
EPNE										T	Т														Т	2
													-													
Yield (grams)											Date	0	6/04/19	99		Tot.								515.8	100.0%	

Soil:					SILT	Y					Rang	e Site		029XY	020NV		Lo	cation:	NV	/HR	S:	NA	T:	NA	R:	NA
Precipitation:	5	i-8	Elev.	(m)	15	551	As	spect:	27	70			History:		Jnknow		S	eason (of Use:	A. Control	All year	r		Slope:	1-2	
	ļ	L	<u>.</u>	<u> </u>	<u> </u>	-				10		F		Service of Constitution	Medium, I	THE REAL PROPERTY.	-	1-46!-	- (CL	0	C 4				C	NA
Animals:	hors	es,ant	(kind)		IS	ļ	Last	Burn:		IA ate)		ECOI	ogical	status:	- IN	A	<u> </u>	lot Siz	e/Snp:	9.	6 ft		rusn C	ontrol:		(Date)
Growing season:		Good			SW	A Nu	mber:			208	3	*	C	anopy:		0%	.,	SCD:	NA	Recor	ders:	V.WIN	KEL;S.	PETER	SEN;J.GE	ELLER
	(good,	normal,	poor)													Tree sha										
Denotes clipped plots				-	-	X	- Catoara	-		Χ	Α	В	_		D	E	F	G	Н		J	K	L	М	N	
Plot number	1	2	3	4	5	6	7	8	9	10	Estima	ated	Clip	ped wei	ghts	K.(4 - 1						. Contraction of the	artines erillians		***	***************************************
Plants % density							_										Tot.		Dry				Tot.			
Stone % surface														<u> </u>	Tot.		Corr.	Dry	Wt.				Wt.			
Litter % surface											Tot.	Tot.		ot #	Green	Corr.	Green		All	Util.		Pheno	All	Lbs/	%	Notes
Species/Pheno.		,		W	eight						All	Circ.	6			Fact.	Wt.	Fact.	Plots	%	_	Factor		Acre	Comp	(Phen. Factor
ERPU	1.5						5.25			4.5	16.15					1.415	22.85		10.05		10.05		19.3	19.3	4.9%	4
ACHY	T				-	3			_		3	3	3		3	1	3	0.44	1.32		1.32	1.79	2.363	2.363	0.6%	4
ASLE	2				2		4			41.5	49.5	41.5	i	41.5	41.5	1	49.5	0.2	9.9		9.9	1.18	11.68	11.68	3.0%	4
ARSP	T	5.25	31.5	31.5	5.6	12	8 75	2.45	1/	10.5	113.8	14.7	4	7	11	0.748	85.12	0.29	24.68		24.68	1.58	39	39	9.9%	4
KRLA	<u> </u>			6.2			0.73	2.45	1-4	15.5	273.6				105					-	103.3		278.8		71.1%	2
ATCO	_	30.0	02	0.2	30.1	33	-	32		13.3	32				103	0.500	32				5.76		41.13			3
7100								52			- 52						32	0.10	3.70		3.70	7.14	41.13	41.13	10.576	3
	-				-			-																		
				-	-	\vdash	-	-	_												-					
				-	-	-	-						1								-					
Yield (grams)											Date		6/08/19			Tot.									100.0%	

Soil:				SC	DIC F	HLL				I	Rang	e Site:		029XY	022NV		Loc	cation:	NV	VHR	S:	NA	T:	NA	R:	NA
Precipitation:	5	-8	Elev.	(m)	17	82	As	pect:	1	13		Use H	istory:		Inknow		S	eason (of Use:		All year			Slope:	4-5	
Animals:		L	alana	robbit			Last	Purm	h	 А		Ecole	aical ((Light, Status:	Medium, I	leavy) A	D	lot Siz	a/Shn·	a	5 ft	В	ruch C	ontrol:		NA
Allilliais. I	10156	ss,am	(kind)		.5	1	Last	Duin.		ate)		LCOIL	yıcaı ,	Julus.			•	IVI JIZ	o, onp.	J.(1		iusii C	VIIII VII.		(Date)
Growing season:		Good	1		SW	A Nu	mber:			22.	A		Ca	anopy:		0%		SCD:	NA	Record	lers:	M.HES	SING;	s.KOZU	SKO;K.B	LOMQUIST
0	good,	normal,	poor)													Tree sha	,						_			
Denotes clipped plots				X					X	-	Α	В		>	D	E	F	G	Н	1	J	K	L	M	N	en e
Plot number	1	2	3	4	5	6	7	8	9	10	Estima	ted	Clip	ped wei	ghts							Parker Commen	.		www.	
Plants % density		_	-	-		-	-								т.,		Tot.		Dry				Tot.			NOTE OF THE PARTY
Stone % surface		-	-	-		-	-	_	-			T-4		t#	Tot.	C	Corr.	Dry Wt.	Wt.	Util.	Sub-	Pheno	Wt. Ali	Lbs/	%	Notes
Litter % surface				1		<u> </u>	<u> </u>	L		L	Tot.	Tot. Circ.	4	_	Green Wt.	Corr. Fact.	Green Wt.	Fact.	All Plots	%	Total	Factor	Plots	Acre	Comp	(Phen. Facto
Species/Pheno.	4.1			7	eight		_	1 2	25	47			30				_		74.83		74.83	2.46		-	34.4%	4
	14		4	43	56	10	35	2	25	17	206	68	30	35	65	0.956	196.9					2.46	184.1	184.1		
BRTE		_	8	3	5	9	T			-	25	3	1		1	0.333			4.083	-	4.083	1 70	4.083		0.8%	5
ACHY			2			1	-		22	_	25	22		32	32				16		16	1.79	28.64		5.3%	4
SIHY				3		-	-		_	_	3	3	3		3	1	3	0.43	1.29		1.29	1.79	2.309	2.309	0.4%	4
ASLE		133		15	282	1	1				431	15	15		15	1	431	0.26	112.1		112.1	1	112.1	112.1	20.9%	5
SPAM			28	Т	3	T					31	0			0	1	31	0.2	6.2		6.2	1.18	7.316	7.316	1.4%	4
CRVI			T	24							24	24	24		24	1	24	0.21	5.04		5.04	1	5.04	5.04	0.9%	4
MACA							T			Т	Т														Т	3
CHST							T				Т														Т	4
ARABIS									2		2	2		2	2	1	2	0.24	0.48		0.48	4.04	1.939	1.939	0.4%	4
SAVEB		24	-			-		-			24	0			0	1	24	0.2	4.8		4.8	4.46	21.41	21.41	4.0%	2
ARSP		27	2.5	1					39		42.5	40	1	42		1.075			13.25		13.25		20.93		3.9%	4
ATCO			2.0	48					17	17	82	65	62	17		1.215		0.18	17.94	-	17.94	7.14		128.1	23.9%	3
KOAMV				2		8	1	1	13		24	15		13	13		20.8	0.36	7.488		7.488	2.44	18.27	18.27	3.4%	3
CHVI				<u> </u>		Ť		<u> </u>	T	1	1	n		10	0	1	1	0.32	0.32		0.32	3.9			0.2%	2
							1			<u> </u>								9.02	0.02		0.02	0.0	1.240	1.210	0.E 70	
								-																		
			7.																							
				-			-		_	_																
Yield (grams)											Date	06	707/199	39		Tot.								535.4	100.0%	

Soil:				COA	RSE	SILTY	1				Rang	e Site		029XY	042NV		Lo	cation:	NV	/HR	S:	NA	T:	NA	R:	NA
Precipitation:	5	i-8	Elev.(m)	18	557	As	spect:	26	65		Use	History:	l	Jnknow	n	S	eason (of Use:		All yea	r		Slope:	0-1	
Animals:	hors	es,ant	elope,	rabbi	ts		Last	⊥ Burn:		IA	_	Ecol	ogical S		Medium,	Heavy) A	Р	lot Siz	e/Shp:	9.6	5 ft	В	rush C	ontrol:		NA
			(kind)	ş		I	I	-	(D:	ate)	I	I					1		1		l		Į	l		(Date)
Growing season:	(good,	Good			SW	A Nu	mber:			42	C		Ca	anopy:	(1	0% Tree sha	de)	SCD:	NA	Record	lers:	M.MAI	N;J.NO	RMAN;	s.Kozus	K0
Denotes clipped plots						X				X	A	В)	D	E	F	G	Н	П	J	K	L	М	N	
Plot number	1	2	3	4	5	6	7	8	9	10	Estima	ated	Clipp	oed wei	ghts											
Plants % density																	Tot.		Dry				Tot.			
Stone % surface															Tot.		Corr.	Dry	Wt.				₩t.			
Litter % surface											Tot.	Tot.	plo	t #	Green	Corr.	Green	Wt.	All	Util.	Sub-	Pheno	All	Lbs/	%	Notes
Species/Pheno.				W	/eight	in gra	ms				All	Circ.	6	10	Wt.	Fact.	Wt.	Fact.	Plots	%	Total	Factor	Plots	Acre	Comp	(Phen. Factor
ACHY								2	T	7	9	7		7	7	1	9	0.41	3.69	1.11	4.096	2.31	9.462	9.462	1.2%	3
MACA		-	7		\vdash	11	-				18	11	11		11	1	18	0.22	3.96		3.96	1.62	6.415	6.415	0.8%	3
SAIB						Т			Т		Т														Т	1
KRLA	78	91	130	91	58.5	78	45.5	78	117	52	819	130	65	39	104	0.8	655.2	0.39	255.5	1 11	283.6	2.7	765.8	765.8	97.3%	2
CACTUS		-	100	0,	100.0	4	10.0	1.0	1	-	1	100	1 4		101	1	1	0.2	0.8		0.8			5.2		1
Yield (grams)											Date		6/06/199	30		Tot.								700.0	100.0%	

Soil:				COA	RSE S	SILTY					Rang	e Site:		029XY	042NV		Lo	cation:	NV	VHR	S:	NA	T:	NA	R:	NA
Precipitation:	5	-8	Elev.(m)	18	612	As	spect:	1	12		Use H	listory:	Į	Jnknow		S	eason	of Use:		All yea	r		Slope:	0-1	
A - f 1 -	L	L	1				1	Burn:	l n	IA		Eagle	gical S		Medium, I			lot Siz	a/Chn:	a	! 5 ft	R	ruch C	ontrol:		NA
Animals:	norse	es,anı	(kind)	rapon	.5	-	Last	Duin.		ate)		LCOIL	yıcaı .	otatus.	IN.		•	IUI SIZ	eromp.	3.0	J 11		rusii C	011111011	aranamaren ar	(Date)
Growing season:		Good	1		SW	A Nui	nber:			42	D		Ca	nopy:	B	0%		SCD:	NA	Record	lers:	M.MAI	N;J.NO	RMAN;	S.KOZUS	< 0
	-	normal,	poor)													Tree sha										
Denotes clipped plots	Х				X		-				Α	В		>	D	E	F	G	Н		J	K	L	М	N	
Plot number	1	2	3	4	5	6	7	8	9	10	Estima	ted	Clip	oed wei	ghts						ALC S DECEMBER					
Plants % density									_								Tot.		Dry				Tot.			
Stone % surface						<u> </u>	-	-	-	-	!				Tot.	_	Corr.	Dry	Wt.	l			Wt.	11.	0/	NI-I
_itter % surface				<u> </u>	<u> </u>		<u> </u>	<u></u>	l	<u> </u>	Tot.	Tot.		t#	Green	Corr.	Green		All Plots	Util.	Sub-	Pheno		Lbs/	%	Notes (Phen. Facto
Species/Pheno.	_		_	VV	eight	in gra	ms	_	_		All	Circ.	1	5	Wt.	Fact.	Wt.	Fact.		%	-	Factor			Comp	
ACHY	1				2			-			3	3	1	2	3	1	3	0.41	1.23	1.43	1.759	2.31	4.063	4.063	0.6%	3
BRTE	-		T		-			-		-	T							-		ļ		-			Т	4
SPAM	3	1	1	2	1	3		2	1	4	18	4	3	1.5	4.5	1.125	20.25	0.18	3.645		3.645	2.68	9.769	9.769	1.4%	3
SAIB	1	Т	T	T			1	T	Т	Т	2	1	1		1	1	2	0.14	0.28		0.28	88.33	24.73	24.73	3.5%	1
ERMA	T										Т														T	1
CRYPTANTHA	1		1		T	1	\vdash				1	1	1		1	1	1	0.23	0.23		0.23	2.31	0.531	0.531	0.1%	2
KRLA	38	85	65	60	90	60	65	80	35	50	628	128	60	96	156	1.219	765.4	0.36	275.5		275.5	2.44	672.3	672.3	94.5%	3
14		-	+	<u> </u>		-	├	-	-	-							-	-				-				7
																										,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
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		-	-	-	-			-														-				
		-	-				-	1																		
					-	_							-													
Yield (grams)											Date	08	5/06/199	39		Tot.								711.4	100.0%	

Soil:				SAN	IDY L	MAO.					Rang	e Site:		029XY	046NV		Lo	cation:	NA	VHR	S:	NA	T:	NA	R:	NA
Precipitation:	5	-8	Elev.	(m)	17	777	As	spect:	15	51		Use H	istory:		Inknow		S	eason	of Use:		All yea	r		Slope:	5	
Animals:	hore	e ant	elone	rabbit		-	l aet	Burn:	N	IA	<u> </u>	Ecole	gical S		Medium, I	leavy) A	P	lot Siz	e/Shn:	91	6 ft	F	rush C	ontrol:		NA
AIIIII2131	110131	30 jaint	(kind)	, rabbit						ate)			9.0								Ĭ					(Date)
Growing season:	-	Good			SW	A Nu	mber:	-		46	A	,	Ca	пору:	//	0%		SCD:	NA	Record	ders:	S.KOZ	USKO;	K.BLON	AQUIST; N	1.HESSING
		normal,	poor)		-	-	-			V	Ι Δ	В	C		D	Tree sha	T F	G	Н	1 1		K	1	М	N	
Denotes clipped plots Plot number	X 1	2	3	4	5	6	7	8	9	10	A Estima			ed wei			F	G	П		J	K	L	IVI	14	www.comin.com
Plants % density	1	1	3	4	2	b	+	0	9	10	Estima	leu	Clipp	ed wei	grits	personal de temperatura de la companya de la compa	Tot.		Dry		-		Tot.			
Stone % surface	_			-		+	1	 							Tot.		Corr.	Dry	Wt.				Wt.			
Litter % surface						1	1				Tot.	Tot.	plot	#	Green	Corr.	Green		All	Util.	Sub-	Pheno		Lbs/	%	Notes
Species/Pheno.				W	eight	in gra	ms				All	Circ.	1	10	Wt.	Fact.	Wt.	Fact.	Plots	%	Total	Factor		Acre	Comp	(Phen. Facto
ACHY	11	17	T		13	Г	T	15		16	72	27	16	42	58	2.148	154.7	0.44	68.05		68.05	1.79	121.8	121.8	7.3%	4
HIJA	25	10	40	7	36	17	33	26	5	22	221	47	18	32	50			0.38			89.34	2.46		219.8	13.1%	4
SPCR	4.5					1	1		_		4.5		5		5		5	0.39			1.95		6.377	6.377	0.4%	2
BRTE	5	3	6	22	7	10	8	19	15	8	103	_	23	62	85	6.538	673.5				330	1	330	330	19.6%	5
SIHY	-	1			_	1	1	1		1	1	0			0	1	1	0.49		+	0.49	1	0.49	0.49	0.0%	5
STCO		Ė								29	29			29	29	1	29		14.79		14.79	1	14.79		0.9%	5
																								1		
SPAM	3						T		5		8	3	3		3	1	8	0.2	1.6		1.6	1.18	1.888	1.888	0.1%	4
MACA	12										12	_	12		12	1	12	0.24	2.88		2.88	1	2.88	2.88	0.2%	4
SAIB		Т				1					T										1		2.00	2.00	T	1
CHVI		64									64	0			0	1	64	0.32	20.48	 	20.48	3.9	79.87	79.87	4.8%	2
KRLA		-	8				T			11.5	19.5	11.5		14	14	1.217	23.74	0.39			9.258	2.7	25	25	1.5%	2
ATCA				162					520		682				0	1	682	0.18			122.8			876.5	52.2%	3
				1																	122.0		0.0.0	0.0.0	OZ.Z.	
The second			<u> </u>																		1					
																				T	1				***********	
																								-		
Yield (grams)											Date	ne	5/07/199	9		Tot.								1670	100.0%	

Soil:				SAN	IDY L	MAO					Rang	e Site:		029XY	046NV		Lo	cation:	NΛ	VHR	S:	NA	T:	NA	R:	NA
Precipitation:	5	-8	Elev.	m)	17	01	As	spect:	1	17		Use I	listory:		Jnknow Medium, I		S	eason (of Use:	and the same of th	All yea	r		Slope:	11	
Animals:	hores	e ant	elone	rahhit		1	Last	Burn:	N	Α		Fcol	ogical S				Р	lot Siz	e/Shn:	9	.6 ft	В	rush C	ontrol:	2004-200-00-00-00-00-00-00-00-00-00-00-00-00	NA
	110101	oo, and	(kind)	rabbit			Ī			rte)													Ì		poning	(Date)
Growing season:		Good			SW	A Nui	mber:	1		461	В		Ca	пору:		0%		SCD:	NA	Recor	ders:	M.MAI	N;J.NO	RMAN;	S.KOZUS	KO
	(good,	normal,	poor)													Tree sha				-	-					
Denotes clipped plots					X			X			Α	В	(D	E	F	G	Н		J	K	L	М	N	
Plot number	1	2	3	4	5	6	7	8	9	10	Estima	ted	Clip	oed wei	ghts	manna armana				-						·
Plants % density					-		-	-			ļ	***************************************		entermonent and			Tot.	_	Dry		-		Tot.			
Stone % surface		_			-	-	-				F	T-1	ļ		Tot.		Corr.	Dry	VVt.	Likit	Contr	DI	Wt.	117	0/	Notes
Litter % surface											Tot.	Tot.	plo 5		Green	Corr. Fact.	Green	Wt.	7 717	Util.	Sub-	Pheno	COMMERCIAL STREET, ST.	Lbs/	%	(Phen. Factor
Species/Pheno.		T ==		7/	eight	_	_	40			All	Circ.					Wt.	Fact.	Plots	-	Total	Factor	_	Acre	Comp	
ACHY		55	-	1	58	T	14	12			140	70	-	13		1.043	146		64.24		64.24	-			17.3%	4
HIJA	23	-		-				-			23	0	-		0	1	23	0.38	8.74	-	8.74	2.46	21.5	21.5	3.2%	4
ASLE	60		10		12						82	12	18		18	1.5	123	0.26	31.98		31.98	1	31.98	31.98	4.8%	5
SPAM	1	Т					1		T		2	0			0	1	2	0.2	0.4		0.4	1.18	0.472	0.472	0.1%	4
ERMA		Т							Т		Т														T	1
ARABIS					10						10	10	9		9	0.9	9	0.43	3.87		3.87	1.57	6.076	6.076	0.9%	5
ATCA		-		-	180		20				200	180	198		198	1.1	220	0.22	48.4		48.4	2.63	127.3	127.3	19.2%	4
KRLA			90	70	25		45	30	25	45	330	55		34			312	_	112.3		112.3		274.1		41.3%	3
ARSP					64			80			144	144	_	70		0.944	136	_	59.84	_	59.84		59.84		9.0%	5
GRSP								160			160	160		180	180	1.125	180	0.14	25.2		25.2				4.2%	3
																	-									
		-		_	_	_		-					-													
																			7-5-3-1							
																				-	-					
				-		_	-						\vdash							-						
Yield (grams)											Date	Ω	6/06/199	aq.		Tot.			-					664.2	100.0%	

Soil:	The state of the s			SAN	IDY L	MAO					Rang	e Site:		029XY	046NV		Lo	cation:	NW	/HR	S:	NA	T:	NA	R:	NA
Precipitation:	5	-8	Elev.			99	As	pect:	11	06		Use H	listory:		Inknow		S	eason o	of Use:		All year	r		Slope:	0-1	
Animals:	horse	s ant	elope	rabbit	s		Last I	Burn:	١	IA		Ecolo	gical S	water and the process	Medium, I	ACTION AND PROPERTY.	Р	lot Siz	e/Shp:	9.1	6 ft	В	rush C	ontrol:		NA
			(kind)				Ĭ		(D	ate)															Secretarian de la constante de	(Date)
Growing season:	(good, i	Good		ļ	SW	A Nur	nber:			460)		Ca	nopy:	/4	0% Tree sha	da)	SCD:	NA	Record	ders:	V.WIN	KEL;K.	BLOMG	IUIST;J.G	ELLER
Denotes clipped plots	X X	normai,	poor		Tables .	X					А	В	(D	E	F	G	Н		J	К	1	М	N	
Plot number	1	2	3	4	5	6	7	8	9	10	Estima			ed wei			<u> </u>	-	11		-	- 17		141	- 14	
Plants % density	1		-	-	1	-	-	0	-	10	LStillio	iteu	Clip	sed wei	giito		Tot.		Dry				Tot.			e terminalistic di l'este di
Stone % surface			_	1											Tot.		Corr.	Dry	Wt.				Wt.		economical comparta se	
itter % surface											Tot.	Tot.	plo	t #	Green	Corr.	Green	Wt.	All	Util.	Sub-	Pheno	All	Lbs/	%	Notes
Species/Pheno.				W	eight	in grai	ms				All	Circ.	1	6	Wt.	Fact.	Wt.	Fact.	Plots	%	Total	Factor	Plots	Acre	Comp	(Phen. Facto
ACHY	1										1	1			0	1	1	0.39	0.39		0.39	3.27	1.275	1.275	0.1%	2
HAGL	T		T	Т			Т		Т	T	T														T	1
SPAM	Т	Т		63	270	54	Т	T		Т	387	54		100	100	1.852	716.7	0.2	143.3		143.3	1.18	169.1	169.1	9.6%	4
SAIB	21	Т	7			Т	17.5	Т	T	21	66.5	21	12	11		1.095		0.14	10.2		10.2	88.33		900.7	51.3%	1
ATCA	108		Т	-	3	108	40.5	189		6.75	455.3	216	89	103	192	0.889	404.7	0.18	72.84		72.84	7.14	520.1	520.1	29.6%	3
KRLA	38			4.75			9.5			95	194.8	85.5	36	46	82	0.959			67.24		67.24			164.1	9.3%	3
				-																	-					
			_	-	-																-					
				-																	-					
			-																							
					-																					
																					-					
Yield (grams)												08														

Soil:		VIII		SAN	IDY L	MAO					Rang	e Site:		029XY	046NV		Lo	cation:	NV	VHR	S:	NA	T:	NA	R:	NA
Precipitation:	5	-8	Elev.(m)	18	602	As	pect:	E	9		Use H	istory:	(links	Jnknow Medium,		S	eason	of Use:		All yea	r		Slope:	0-1	
Animals:	hores	e ant	elone	rahhit	9		l ast	Burn:	N	IA	-	Ecolo	gical S		Nedidin,		Р	lot Siz	e/Shp:	9	.6 ft	В	rush C	ontrol:		NA
- Alliani di Si	110100	, o , airie	(kind)	- abon				T.		ate)			3								1		<u> </u>			(Date)
Growing season:		Good			SW	A Nur	mber:			46	E		Ca	пору:	1	0%		SCD:	NA	Recor	ders:	M.MAI	N;J.NO	RMAN;	S.KOZUS	KO .
	(good,	normal,	poor)													Tree sha				-	-					
Denotes clipped plots				X			X	- Annie de la constitución de la			A	В			D	E	F	G	Н		J	K	L	М	N	
Plot number	1	2	3	4	5	6	7	8	9	10	Estima	ted	Clipp	ed wei	ghts	range to the re-										
Plants % density																	Tot.		Dry				Tot.			
Stone % surface											<u></u>				Tot.		Corr.	Dry	Wt.			<u> </u>	₩t.			
Litter % surface											Tot.	Tot.		t #	Green	Corr.	Green	Wt.	All	Util.	art was made to the contract of	Pheno		Lbs/	%	Notes
Species/Pheno.				W	eight	in gra	ms				All	Circ.	4	7	VVt.	Fact.	Wt.	Fact.	Plots	%		Factor		Acre	Comp	(Phen. Factor
ACHY		68				-	-				68	0			0	1	68	0.44	29.92	2	29.92	1.79	53.56	53.56	8.5%	4
SAIB	T							1			1	0			0	1	1	0.14	0.14		0.14	88.33	12.37	12.37	2.0%	1
ERMA	Т				Т						Т														T	1
SPAM	Т		4	2	T						6	2	2.5		2.5	1.25	7.5	0.18	1.35	5	1.35	2.68	3.618	3.618	0.6%	3
ASLE						Т	- 1				Т														Т	5
MACA				5		10	T		Т	Т	15	5	10		10	2	30	0.22	6.6		6.6	1.62	10.69	10.69	1.7%	3
CRYPTANTHA				_		T	· ·		T	·	Т							0.22	0.0	1	1	1.02	70.00	10.00	T 70	4
VIII IAIIIA						·																				
ATCA	110			110			120	150	100		590	230	138	130	268	1.165	687.5	0.22	151.2	2	151.2	2.63	397.8	397.8	62.8%	4
KRLA	25			18		45	35		12	68	203	53	16	28	44	0.83	168.5	0.36	60.67	'	60.67	2.44	148	148	23.4%	3
ARSP				10		12					22	10	6		6	0.6	13.2	0.44	5.808	3	5.808	1	5.808	5.808	0.9%	5
GUSA										1	1	0			0	1	1	0.32	0.32		0.32	3.9			0.2%	2
																				-						
							_	-												-	-					
							-	-			-									-	-	-				
												8														
																				-						
VC 117													D.146	20		- .										
Yield (grams)						L		L			Date	06	/04/199	19		Tot.					1			633.1	100.0%	

Soil:		SANDY LOAM											ige Site: 029XY				Loc	cation:	NA	/HR	S:	NA	T:	NA	R:	NA
Precipitation:	5	-8	Elev.(m)	18	669	As	spect	2	31		Use h	listory:		Jnknow		Si	eason	of Use:		All yea	r		Slope:	0-1	
		L	1 1			Ī	<u> </u>			L			L		Medium, I	***********	ļ	ļ	ļ			 		L		
Animals:	horse	s,ant	elope, (kind)	rabbit	s	-	Last	Burn		A ate)		Ecol	ogical S	Status:	N	Α	P	lot Siz	e/Shp:	9.	6 ft	В	rush C	ontrol:		(Date)
Growing season:		Good		E	SW	A Nu	nber:		, (0	46	F		Ca	пору:		0%	.k	SCD:	NA	Recorders:		K.BLOMQUIST; V.WI			NKEL;J.G	TO STATE OF THE PROPERTY OF THE PARTY OF THE
·····	(good,	normal,	poor)	1	-	I	1									Tree sha	de)	AMMUNICI (1940)								
Denotes clipped plots	Χ			X	- Landerson						Α	В)	D	E	F	G	Н	1	J	K	L	М	N	
Plot number	1	2	3	4	5	6	7	8	9	10	Estima	ted	Clips	oed wei	ghts											
Plants % density											1					41142	Tot.		Dry				Tot.			
Stone % surface														***************************************	Tot.		Corr.	Dry	Wt.				Wt.			
Litter % surface											Tot.	Tot.		t #	Green		Green		All	Util.	Sub-	Pheno	All	Lbs/	%	Notes
Species/Pheno.				· W	eight)	in gra	ms				All	Circ.	1	4	Wt.	Fact.	Wt.	Fact.	Plots	%	Total	Factor	-	Acre	Comp	(Phen. Facto
ACHY	30	Т	Т	Т	Т		T				30	30	30		30	1	30	0.44	13.2		13.2	1.79	23.63	23.63	9.1%	4
HIJA			5	26							31	26		33	33	1.269	39.35	0.38	14.95		14.95	2.46	36.78	36.78	14.1%	4
MACA		Т		_		-	1.5	-	-	Т	1.5	0			0	1	1.5	0.24	0.36		0.36	1	0.36	0.36	0.1%	4
CYGL		-				1	1	T	T		Т													5.55	T	1
0102								Ė										:								
CHVI	1	82.8	5.75	3	2	2	2	1	51.8	T	151.3	4	1	2	3			0.32	36.31		36.31	3.9	141.6	141.6	54.3%	2
KRLA	43.8	T				10					53.75	43.75	36		36	0.823	44.23	0.39	17.25		17.25	2.7	46.57	46.57	17.9%	2
TEGL		8									8	0			0	1	8	0.24	1.92		1.92	6.17	11.85	11.85	4.5%	1
						-		<u> </u>	-		ļ															
						-		-	-	_							-				-					
			-		-	-	-	-	-	-	-										-					
			-	_	-	-	-	-	-	-	-		-				-				-					
			-	_	-	-	 	-	-	-	-															
					_		_	_	-																	
			-	_	-	-	-	-	-			-					-			-	-					
					-	+	-	-	+												-					
Yield (grams)			-	-		-	-	-	-		Date		5/06/199			Tot.					-				100.0%	

Soil:	Soil: SANDY LOAM													029XY	049NV		Loc	cation:	NV	/HR	S:	NA	T:	NA	R:	NA
Precipitation:	8-	12	Elev.(m)	18	323	As	pect:	1	91		Use H	istory:		Inknow		Se	eason (of Use:		All year	r		Slope:	2-3	
Animals:	L				<u> </u>		l	Burn:	h	IA		Engle	gical S	www.character.com	Medium, I	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	D	lot Siz	a/Shn:	0.0	5 ft	P	ruch C	ontrol:		NA
Animais:	norse	s,ant	(kind)	rabbit	5	1	Last	Duin.		ate)		LCUIC	yicai 3	rtatus.	IN.			101 312	erenp.					01111011		(Date)
Growing season:		Good	}		SW	A Nur	nber:			49/	4		Ca	пору:		0%		SCD:	NA	Record	iers:	S.PET	ERSEN	I;V.WIN	KEL;J.GE	LLER
	(good, i	_													(% Tree sh											
Denotes clipped plots		X	X					-		-	А	В	С		D	E	F	G	Н	1	J	K	L	М	N	
Plot number	1	2	3	4	5	6	7	8	9	10	Estima	ted	Clipp	ed wei	ghts	····				w			l			
Plants % density						_				-						MOSAA S STOSMY STA	Tot.		Dry				Tot.			marana manada ya ya ya ma
Stone % surface						-	-	-	-	-	T-4	Tot.	plo	. 41	Tot. Green	Corr.	Corr. Green	Dry Wt.	Wt.	Util.	Sub-	Pheno	VVt. All	Lbs/	%	Notes
Litter % surface				100	-1-1-4	<u> </u>			L	<u> </u>	Tot.	Circ.	2	3	Wt.	Fact.	Wt.	Fact.	Plots	% %		Factor		Acre	Comp	(Phen. Facto
Species/Pheno.			T	77	eignt	in grai	ms				All	CITC.			VVI.	I act.	VVI.	I acı.	FIULS	70	TOTAL	I actor	FIULS	Acre	Comp	1
SIHY		3	1				4		1	0.5	9.5	4	3	1	4	1	9.5	0.43	4.085		4.085	1.79	7.312	7.312	1.2%	4
ACHY	T	1	1.5	2.5	4	1.75		1	3	1.5	16.25	2.5	1	1.75	2.75	1.1	17.88	0.41	7.329	1.11	8.135	2.31	18.79	18.79	3.0%	3
MACA			Т		-		-	-	-	-	т			-						-					Т	1
ERIGERON		-	<u> </u>	T				_	-	-	T														T T	1
LRIOLRON				'							<u>'</u>														,	
CHVI	9	9	10.5	1.25		10.5		11.3	7.5	9	73.25	19.5	10.5	12	22.5	1.154					27.05	3.9		105.5	16.8%	2
ARTRW	192	72	96	8	96		88				552	168	52	136	188		617.7				302.7	1.51		457	72.8%	4
GRSP	8	14			22						44	14	24.5		24.5	1.75	77	0.13	10.01		10.01	2.86	28.63	28.63	4.6%	2
ATCA		6							_		6	6	6.5		6.5	1.083	6.5	0.16	1.04		1.04	10	10.4	10.4	1.7%	2
			-																							
						-		-	-	-																
									-																	
Yield (grams)											Date	ne	J07/199	19		Tot.								627.7	100.0%	

Soil:			1	GRAV	ELLY	LOAI	M	20.00			Rang	e Site:		029XY	087NV		Lo	cation:	NV	VHR	S:	NA	T:	NA	R:	NA
Precipitation:	- 5	5-8	Elev.	(m)	15	85	As	pect:	27	73		Use F	listory:		Jnknow		S	eason	of Use:	:	All yea	r		Slope:	2	
Animals:	hors	es,ant			S	s Las				IA		Ecol	ogical S		Medium, I	A A	F	lot Siz	e/Shp	9.6 ft		Brush		ontrol:		NA (Date)
Growing season:	(kind) Good				SWA		nber:		1 (0)	ate) 87,	Д		Canopy:			0%		SCD:		Recorders:		M.HESSING;S.KO		S.KOZU	ISKO;K.B	
	(good,	normal,	poor)												-	Tree sha	_									
Denotes clipped plots		X					X				A	В	(D	E	F	G	Н		J	K	L	M	N	
Plot number	1	2	3	4	5	6	7	8	9	10	Estima	ted	Clip	ed wei	ights											***************************************
Plants % density					_	_											Tot.	ļ	Dry				Tot.			
Stone % surface					_	_									Tot.		Corr.	Dry	VVt.	1			₩t.			
Litter % surface	_										Tot.	Tot.		t# -	Green	Corr.	Green		All	Util.	Sub-	Pheno		Lbs/	%	Notes
Species/Pheno.	-		_		eight	in gra	ms	7.2	T	_	All	Circ.	2	7		Fact.	Wt.	Fact.	Plots	_	-	Factor		Acre	Comp	(Phen. Factor
HIJA	_	28	5	_	_			15	24		72	28	-		23	0.821	59.14	-	26.61	_	26.61		-	_	10.9%	5
ACHY	_	T	-	3	7	4	3	T		_	17	3		3	3	1	17	0.48	8.16	5	8.16	1	8.16	8.16	2.5%	5
ASLE									T		T														Т	1
CHST	9	9	15	15	0.3	3.75	3.75	6	7.5		69.3	12.75	10	5	15	1.176	81.53	0.32	26.09	9	26.09	1.3	33.92	33.92	10.5%	4
UNK FORB1	7										7	0			0	1	7	0.22	1.54	1	1.54	1.8	2.772	2.772	0.9%	3
SAIB	T										Т														Т	1
MACA		T	10	6							16	0			0	1	16	0.22	3.52	2	3.52	1.62	5.702	5.702	1.8%	3
EUAL			4.5	2.2	11	9.5	1.5				28.7	1.5		3	3	2		-			8.036			8.036	2.5%	4
UNK FORB2						T		Т			Т														Т	1
SAVEB	-	153	-	-	-	-	15.3			128	295.8	168.3	126	18	144	0.856	253.1	0.2	50.62		50.62	4.46	225.8	225.8	70.1%	2
ATCO	_	133	2		1	1	10.0			120	200.0	00.5		,,,	144	1	200.1	-		-	0.36		2.57	2.57	0.8%	3
CHVI		T	-	1	-	-				_	T				-			0.10	0.50	1	0.50	7.14	2.51	2.57	T 0.076	2
Yield (grams)											Date	0	5/08/199	99		Tot.								322	100.0%	

Soil:		COARSE GRAVELLY LOAM										e Site:		029XY	090NV		Lo	cation:	NΛ	VHR	S:	NA	T:	NA	R:	NA
Precipitation:	6-	10	Elev.(m)	18	324	As	pect:	2	20			listory:		Jnknow		S	eason	of Use:		All yea	r		Slope:	1-2	
		horses,antelope,rabbits					Last Burn:			L		F I			Medium, I		n	lot Siz	- /Ch	9.6 ft			levels C	ontrol:		NA
Animais:	norse	es,ant	(kind)	rappii	S		Last	Burn:		IA ate)		ECOIC	gical S	tatus:	- 1	Α	- P	101 312	e/Snp:	9.	O IL		ilusii C	ontroi:		(Date)
Growing season:		Good	}		SW	A Nur	nber:			90,	4		Ca	пору:		0%		SCD:	NA	Recorders:		M. MAIN; J. NORMAN		RMAN;	v.WINKEI	L;KWB
	(good,	normal,					Ĭ									Tree sha	de)									
Denotes clipped plots				X			X				Α	В	С		D	E	F	G	Н	1	J	K	L	M	N	
Plot number	1	2	3	4	5	6	7	8	9	10	Estima	ted	Clipp	ed we	ghts										v	Summer of the second
Plants % density												F1418 (1411) 1618 1-1-1					Tot.		Dry			ļ	Tot.			
Stone % surface															Tot.		Corr.	Dry	₩t.				₩t.			
Litter % surface											Tot.	Tot.	plot	#	Green	Corr.	Green		All	Util.	Sub-	Pheno		Lbs/	%	Notes
Species/Pheno.				W	eight	in gra	_				All	Circ.	4	7	Wt.	Fact.	Wt.	Fact.	Plots	%	_	Factor		Acre	Comp	(Phen. Facto
SIHY	3	1	1	1		2	2		2		12	3	1	1.5	2.5	0.833			4.3		4.3				1.8%	4
HIJA	2	10	1	6	20	1	3		22	1	66	9	8	3	11	1.222	80.67	0.32			25.81	2.68			16.5%	3
BRTE						T				26	26	0			0	1	26	0.49	12.74		12.74	1	12.74	12.74	3.0%	5
													*													
MACA				T			T				T														T	3
ARABIS						Т					Т														Т	1
HAGL										Т	Т														T	1
ARSP		Т		10			9	8			27	19	10	14	24	1.263	34.11	0.44	15.01		15.01	1	15.01	15.01	3.6%	5
CHVI	30	30	35	16		20	23	T	35	45	234	39	18	24	42	1.077	252	0.32	80.64		80.64	3.9	314.5	314.5	75.0%	2
														-												***************************************
						—															 					
					1	_	_													 						
				-	-		-										-			-	 					
		_	-	-	-	-	-	-	-	-			-					_		-	-			-		
			-		-	-	-	-	-	-			-				-	-			-					
			-	_	-	-	-	-	-	-										-	-			-		
				_	-	-	-	-	-																	
						_		-	_																	
												141														
Yield (grams)											Date	OF	5/03/1999	3		Tot.								419 1	100.0%	

TOTAL ANNUAL YIELD AND COMPOSITION RECORD

Soil:			COAF	RSE G	RAVE	ELLY	LOAN	1			Rang	e Site:		029XY	090NV		Lo	cation:	NA	/HR	S:	NA	T:	NA	R:	NA
Precipitation:	-	i-10	Elev.	(m)	18	15	As	pect:	13	31		Use H	istory:		Jnknow		S	eason	of Use:		All yea	r		Slope:	3	
Animals:	horo	ac ont	olono	robbit		1	laet	Burn:	N	Α	-	Fcolo	gical S		Medium, I	leavy) A		lot Siz	e/Shn·	q	1 6 ft	В	rush C	ontrol:		NA
Allillais.	. 11015	es,am	(kind)	rauuit	5		Last	J		rte)		LCOIO	givai .	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,							Ĭ			[(Date)
Growing season:		Good			SW	A Nur	nber:			90	В		Ca	пору:		0%		SCD:	NA	Record	ders:	M.HES	SING;	s.Kozu	SKO;K.B	LOMQUIST
	(good	, normal,	poor)				1				1 0	-				Tree sha			T 11	-		l iz		N4	NI NI	
Denotes clipped plots	+-	+-	1 0	-	-	-	X 7	-	X	40	A	В			D	Е	F	G	Н	-	J	K		M	N	
Plot number	11	2	3	4	5	6	/	8	9	10	Estima	tea	Clip	ed we	ignts		Tot.		Dry			na storage accession	Tot.			
Plants % density Stone % surface	+-	+-	-	-	-	_					 				Tot.	comic recom	Corr.	Dry	Wt.				VVt.			
Litter % surface	+	+	-	-	_	-					Tot.	Tot.	nlo	t #	Green	Corr.	Green		All	Util.	Sub-	Pheno	All	Lbs/	%	Notes
Species/Pheno.	_			100	eight	in grai	ms				All	Circ.	7			Fact.	Wt.	Fact.	Plots	%	Total	Factor	Plots	Acre	Comp	(Phen. Factor
ACHY	45	T		T '	Cigin	l gia	23				68	23	24		24	1.043	_		29.09	_	29.09	2.31	67.2	67.2	10.5%	3
SIHY	33	-	77		30		1				140	0		-	0	1	140		68.6		68.6	-	68.6		10.8%	5
BRTE	3	5	1	6	6	4	6	10	1	6	48	7	7	3	10	1.429		0.49	33.6		33.6	1	33.6		5.3%	5
HJA	1	+-		35	14	3	2			31	85	2	2		2	1	85	-	27.2		27.2	2.68	72.9		11.4%	3
ERPU	1	+		- 50	27	9	9	1	3	-	49	12	7	1.5	8.5	0.708	-	0.44	15.27		15.27	1.92	29.32		4.6%	4
SPCR	1	1			-	-	3	<u> </u>	4		7	7	2	5	-	1	7	0.41	2.87		2.87	2.31	6.63		1.0%	3
OI OIL	1						-		<u> </u>								_								,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
ASLE	 	1		1	T	T			5		5	5		5	5	1	5	0.2	1		1	1.18	1.18	1.18	0.2%	4
SPAM	T	38		T	4	6	100	230			378	100	111		111	1.11	419.6		83.92		83.92	1.18	99.02		15.5%	4
MACA						4			5		9	5		5	-	1	9	-	1.98		1.98	1.62		3.208	0.5%	3
ATCO		35	400	66	50		50	100	150		851	200	30	55	85	0.425	361.7	0.22	79.57		79.57	2.63	209.3	209.3	32.8%	4
ARSP		15	T	38		4	19	6	33	10	125	52	22	20	42	0.808	101	0.29	29.28		29.28	1.58	46.26	46.26	7.3%	4
EPNE							T				T														T	1
	T																									
	1																									
																		100								
)													****
Yield (grams)	T	T									Date	06	/07/199	99		Tot.								637.2	100.0%	

TOTAL ANNUAL YIELD AND COMPOSITION RECORD

Soil:			COAF	RSE G	RAVE	ELLY	LOAN	1			Rang	e Site:		029XY	090NV		Loc	cation:	NV	/HR	S:	NA	T:	NA	R:	NA
Precipitation:	6-	10	Elev.(m)	17	13	As	pect:	2	71		Use h	listory:		Inknow		S	eason (of Use:		All yea	r		Slope:	3	W (Cara-1) - 1 1 1 1 1 1 1 1 1 1
Animals:	horse	s,ant		rabbit	s		Last	Burn:		JA_		Ecol	ogical S		Medium, I	a manage of the transport	P	lot Siz	e/Shp:	9.6	6 ft	В	rush C	ontrol:		NA (Date)
^	900112 011	Good	(kind)	1	CIAI	A N	mber:	<u> </u>	(0	ate) 90(~	nopy:	***************************************	0%		SCD:	NA	Record	larer	V Z VAZINI	VEI · S	DETED	SEN;J.GE	THE RESERVE THE PROPERTY OF THE PARTY OF THE
Growing season:		normal,			2441	A NUI	mbei.		Salari vita	300			C	шору.	(%	Tree sha	de)	360.	IVA	record	1013.	Y , YY114	الددين.	LILIX	DE14,0. OE	
Denotes clipped plots		X					X		Proposition of the last		Α	В	()	D	Е	F	G	Н	I	J	K	L	М	N	
Plot number	1	2	3	4	5	6	7	8	9	10	Estima	ted	Clipp	oed wei	ghts								AND DESCRIPTION OF THE PARTY OF		1777W-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	
Plants % density																	Tot.		Dry				Tot.			
Stone % surface															Tot.		Corr.	Dry	Wt.				Wt.		=	
Litter % surface											Tot.	Tot.	plo		Green	Corr.	Green		All	Util.	Sub-	Pheno	All	Lbs/	%	Notes
Species/Pheno.					eight i					_	All	Circ.	2	7	Wt.	Fact.	₩t.	Fact.	Plots	%		Factor		Acre	Comp	(Phen. Facto
HIJA	29.8	_	21	28	26.3	42	10.5	21	24.5	52.5	262.5	17.5		10.5	22.5	1.286		0.38	128.3		128.3				31.3%	4
ACHY		34	8.5		25.5		21.3				89.25	55.25		29	71	1.285	114.7	0.44	50.46		50.46				9.0%	4
SIHY		3									3	3	3		3	1	3	0.43	1.29		1.29	1.79	2.309	2.309	0.2%	4
BRTE	1	Т		4	T	3		11	14	2	35	0			0	1	35	0.39	13.65		13.65	1.13	15.42	15.42	1.5%	4
MACA	26	24	3	7	8	17	2	5	5	6	103	26	24	2	26	1	103	0.22	22.66		22.66	1.62	36.71	36.71	3.6%	3
ARABIS	20	3	J.	-	-	17	1	3	3	-	3	3	-		3	1	3		1.29		1.29				0.2%	5
CRYPTANTHA		J		Т	-		-	-	-		Т							0.43	1.23		1.23	1.51	2.025	2.025	T 0.2 /6	4
CRYPIANINA				<u>'</u>	-	-	-	-			<u> </u>															
ATCO		116						160			275.5	116	169		169	1.457	401.4	0.18	72.25		72.25	7.14	515.8	515.8	51.1%	3
ARSP		_	11.3		12.5		25				67.5			22	44	1.006					19.69			31.11	3.1%	4
•																										
						2	-																			
Yield (grams)				-			-				Date	n	5/08/199	99		Tot.								1000	100.0%	

TOTAL ANNUAL YIELD AND COMPOSITION RECORD

Soil:			COAF	RSE G	RAV	ELLY	LOAN	1			Rang	e Site:		029XY	′090NV		Loc	cation:	NN	/HR	S:	NA	T:	NA	R:	NA
Precipitation:	6	-10	Elev.	m)	18	687	As	pect:	12	20		Use I	listory:		Unknow Medium,		Se	eason (of Use:		All year	r		Slope:	3	
Animals:	hors	es.ant	elope	rabbit	S	ļ	Last	Burn:	N	Α		Ecol	ogical S			A	Р	lot Siz	e/Shp:	9.	6 ft	В	Brush C	ontrol:	FINE WG 00 (10) 1011	NA
S. M. Martin Contract of the C			(kind)				1	Ī	(D:	ate)				1			-		which constitution in the six of				1			(Date)
Growing season:	-	Good	······		SW	A Nui	nber:			901	J D		C	anopy:		0%		SCD:	NA	Record	ders:	M.MAI	N:J.NO	RMAN:	s.Kozus	C-4-2-10 property and access
	(good,	normal,				Ĭ	T									Tree sha					T		L			
Denotes clipped plots								X	Χ		Α	В)	D	Е	F	G	Н	1	J	K	L	M	N	
Plot number	1	2	3	4	5	6	7	8	9	10	Estima	ted	Clip	ped we	ights											
Plants % density																	Tot.		Dry				Tot.			- 438 3.99 A. T.
Stone % surface														<u> </u>	Tot.		Corr.	Dry	Wt.				Wt.			
Litter % surface											Tot.	Tot.		t#	Green	Corr.	Green		All	Util.	Sub-	Pheno		Lbs/	%	Notes
Species/Pheno.				W	eight						All	Circ.	8			Fact.	Wt.	Fact.	Plots	%		Factor	-	Acre	Comp	(Phen. Factor
HIJA	3	4		30	55	75	30	8	56	22	283	64	8	45	53	0.828	234.4	0.38	89.06		89.06	2.46		219.1	13.6%	4
ACHY						3		T			3	0			0	1	3	0.44	1.32		1.32	1.79	2.363	2.363	0.1%	4
SPAM	17	T	50	T	-	-	17	2	1		87	3	2	1	3	1	87	0.2	17.4		17.4	1.18	20.53	20.53	1.3%	4
SAIB	T										Т					THE SECOND CO.									Т	1
ASLE	1	15					6	7		4	32	7	7		7	1	32	0.18	5.76		5.76	2.68	15.44	15.44	1.0%	3
HAGL		5	T	T							5	0			0	1	5		0.7		0.7			61.83	3.8%	1
ERMA			T	Т							T														T	1
ATCO	200	45	275			-	-	270	22	38	850	292	244	15	259	0.887	753.9	0.18	135.7		135.7	7.14	969	969	59.9%	3
KRLA	20	1-3	1213	75	 	 	50	120	15	- 00	280	135	-			0.859					86.61	2.44	-	-	13.1%	3
ARSP	120	1	1	10	-	Т	1 00	1	48		49	49		24	-	0.51	25		11		11	1	11	11	0.7%	5
CHVI	1	+	-	-		1	-	T T	T	85	85			24	0	0.31	85				27.2	3.9		106.1	6.6%	2
CHVI								Ľ	Ė	05	- 05						00	0.32	21.2		21.2	3.5	100.1	100.1	0.070	
																					-					·
					W-15-100																					
Yield (grams)											Date	0	6/06/199	99		Tot.								1617	100.0%	

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APPENDIX D

RANGE INVENTORY WORKSHEETS

These worksheets were used to determine the condition of the vegetation at the sample locations.

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NV-ECS-1 4/88 (Rev) U.S Department of Agriculture Soil Conservation Service

Site Name				06A				MLRA	29	Write-up No.	N/A
Ranch or S	oil-23	2 No.		N/A							
Photo No.				N/A							
Soil Taxon		Jnit		N/A					N		
Field Office				N/A							
_ocation:	Sec	Т		R				w		E	Location in section
	Long:		Lat:					• •			Location in occion
Conservati	onist	K. Blomquist, M. H	essing,	S.Kozusk	0	Date:	June 7, 1999				
	101						P		S		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	Evaluate each	indicator in re	lation to cli	max for the site (circ	cle those that apply)
Plant	g	Symbol or	-	ĔΩ	Present Weight	Climax Weight	- 10	N 00 1			
Group %	ē	Common Plant	Cover	Weight (lb/ac)	res /eig	liii/ei	ass	% Climax	Specie	IProduction %	Condition rating
Comp.	Phenology	Name	0%	3 €	% Present by Weight	by V	ors C	Vegetation 100-76	Divers	ity	
ý	п		- 6		8.0	% Ω	Conditions Class Indicators		0	100-76	Excellent (PNC)
s s		ACHY		6.4	0.6	0.6	rigi ja	75-51 50-26	3-4	75-51 50-26	Good (Late Seral)
ant		SIHY		62.9	5.6	3.0	, § _ \	25-0	>4	25-0	Eair (Mid Seral)
S P		HIJA		36.3	3.2	3.0	Final Condition		24	Mid Seral	Poor (Early Seral)
Grasses & Grass- Like Plants		THOA		30.5	0.2	3.0	i mai condition			Wild Geral	Apparent Trend
Sra	-						1	Plant Vigor Decreasers		-1	(Circle One)
% Weight							1			-1	(0,10,00,0,10)
9.4							Si Si	Age Class Distribution			Improving
% Cover							ato	Decreasers		-1	Improving
				105.6	9.4	6.6	i ğ	Increaser/			1 1
		ASLE		1.7	0.1		Trend Indicators	Invaders		+1	Declining
1		ERIGERON		1.7	0.1		<u> </u>				200
8	-						-	Soil Erosion		+1	
Forbs						-	1				Not Apparent
- 1							1	Total		0	() ()
1								Use History:		N/A	
% Weight								Kind of Anima	1.	N/A	
0.1							Site History	Season of Use		All Year	
% Cover							≌	Wildlife Specie		Horses, ante	lone rabbits
70 00101	_			1.7	0.1	0.0	te te	Burning Histor		N/A	iopo, rabbito
	-	ARTRW		978.7	87.4	35.0	i <u>s</u>	Logging Histor		N/A	
g		CHVI		32.5	2.9	3.0	1 1	Cropping Histo	All and the second	N/A	
골		KOAMV						Elevation	the state of the s	Slope	Azimuth (°)
S		ATCO		1.3	0.1		1	1907	,,	3-4	68
Trees & Shrubs							1	Major or Com	oonent Lan		1 00
ĕ		The same of the same					, de			Crest	Summit Shoulder
							de l	Slope Compo	nent (Circle	e one) Backslope	Footslope
% Weight							Physiography	Kind of Slope	(Circle one		Concave Convex
90.4							<u> </u>	Microrelief:			N/A
% Cover								Depth of Water	ertable:		N/A
				1012.5	90.4	38.0	1	Drainage Clas	s:		N/A
		Totals		1119.7	100.0	44.6		Frequency of	Flooding or	Ponding:	N/A
(8)	Pr	esent Utilization		% of	N/A		(Key Species)	Duration of Flo	ooding or P	onding:	N/A
Notes:											
			N/A								
Treatment	Need	s:					N/A				
Special Co	nside	rations (e.g, critical l	habitat,	riparian z	one, etc.)):		N/A			
Associated	Sites	i;						N/A			

	CS-1	
4100	(D 1)	

					Rang	ge Inve	entory Work	sheet			
Site Name				06B				MLRA	29	Write-up No.	N/A
Ranch or S	oil-23	2 No.		N/A						TTING UP TTO.	
Photo No.	J 20			N/A							
Soil Taxon	omic l	Jnit		N/A				•	N		
Field Office				N/A					TTT	1	
ocation:		Т		R					+	_	
	Long:		Lat:					W		E	Location in section
		V. Winkel, M. Main				Date:	June 3, 1999	. 🗀	S		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	Evaluate each	indicator in rela		or the site (circ	le those that apply)
Plant Group %	Phenology	Symbol or Common Plant	Cover	Weight (lb/ac)	% Present by Weight	% Climax by Weight	Conditions Class Indicators	% Climax Vegetation	Species Diversity	Production %	Condition rating
Comp.	ď	Name	%	> -	å %	% &	nditions Cl.	100-76	0 (100-76	Excellent (PNC)
SS		ACHY		19.7	3.3	3.3	를 를 :	75-51 (1-2	75-51	Good (Late Seral)
Gra ots		HIJA		1.4	0.2	0.2] 2 4	50-26	3-4	50-26	Fair (Mid Seral)
9 E		SIHY		9.9	1.7	1.7		25-0	>4	25-0	Poor (Early Seral)
ses		STCO		13.5	2.3	2.3	Final Condition	Rating		MID SERAL	
Grasses & Grass Like Plants								Plant Vigor Decreasers	+1		Apparent Trend (Circle One)
% Weight								Age Class			
7.5 % Cover							Trend Indicators	Distribution Decreasers	+1		Improving
70 00101				44.5	7.5	7.5	i j	Increaser/			
		MACA				0.0	and Ir	Invaders	+1		Declining
sq							F .	Soil Erosion	+1		
Forbs								Total	+4		(Not Apparent)
								Use History:			loderate
% Weight							1 .	Kind of Animal:			ild horse
0.0							Site History	Season of Use:			AR LONG
% Cover							1 ≝	Wildlife Species	:		N/A
				0.0	0.0	0.0	it.	Burning History:			N/A
	-	ARTRW		521.8	87.8	35.0	· · ·	Logging History			N/A
Trees & Shrubs		GRSP		4.1	0.7	0.7	1	Cropping Histor			N/A
ř.		CHVI		19.2	3.2	3.2		Elevation (r		Slope	Azimuth (°)
8		ATCA		4.8	0.8	0.8		1821		3	211
es								Major or Compo	nent Landform		fan Piedmont
Ē.							Physiography	Slope Compone	ent (Circle one)	Crest Backslope	Summit Shoulder Footslope
% Weight							Sio	Kind of Slope (C	Circle one)	Straight	Concave Convex
92.5							ا پُر	Microrelief:			N/A
% Cover							1 "	Depth of Water	able:		N/A
				549.9	92.5	39.7		Drainage Class:			N/A
		Totals		594.4	100.0	47.2		Frequency of FI			N/A
(8)	Pi	resent Utilization		% of			(Key Species)	Duration of Floo	ding or Ponding	g:	N/A
Notes:	Need	s:	N/A					NEWS CONTRACTOR OF THE PARTY OF			
0							N/A	N//A			
Special Co	nside	rations (e.g, critical	nabitat,	riparian zo	one, etc.):			N/A			
Associated	Sites	3:						N/A			

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					Range	e Inve	ntory Works	heet					
Site Name				06C				MLRA	29		Write-up No.	N/A	
Ranch or S	oil-23	2 No.		N/A						_			
Photo No.				N/A				-					
Soil Taxon	omic l	Jnit		N/A					N				
Field Office	9			N/A									
_ocation:	Sec	ТТ		R				w			E	Location	in continu
	Long:		Lat					VV			E	Location	in section
Conservati	onist	J. Geller, V. Winke	l, S. Pe	tersen		Date:	June 8, 1999	. 1	S				
(1)	(2)	(3)	(4)	(5)	(6)	(7)	Evaluate each	n indicator in re		nax for	the site (circ	e those th	at apply)
Plant	Phenology	Symbol or	er	Weight (lb/ac)	% Present by Weight	% Climax by Weight	sy.	% Climax	Species	s T			
Group %	90	Common Plant	Cover	/eig	Ve.	We Sin	s	Vegetation	Diversit		Production %	Conditio	n rating
Comp.	E.	Name	%	50	% F	% 6	Conditions Class Indicators	100-76	0		(100-76)	Exceller	t (PNC)
Ś		SIHY		30.0	5.6	3	io	75-51	1-2		75-51	Good (La	
ts a		HIJA		34.3	6.4	3	들으	(50-26)	3-4	7	50-26	(Fair (Mi	
an an		ACHY		1.9	0.4	0.4	Š	25-0	>4		25-0	Poor (Ea	
98		7.0111		1.0	0.1	0.1	Final Condition				MID SERAL	1 ooi (La	ily Geral)
i ss							T mar condition	Plant Vigor			WID OLIVIE	Apparer	nt Trend
Grasses & Grass- Like Plants								Decreasers		0			One)
% Weight							· ·	Age Class					
12.4			7				to to	Distribution				Impro	oving
% Cover							<u>i</u>	Decreasers		-1			
				66.2	12.4	6.4	<u> </u>	Increaser/					
		ASLE		T			2	Invaders		+1		Decl	ining
ς.							Trend Indicators	Soil Erosion		+1			
Forbs								Total		+1		Not Ap	parent
								Use History:				N/A	
% Weight							1 >	Kind of Anima	al:			N/A	
0.0							Site History	Season of Us			a	Il year	
% Cover							1 ≝	Wildlife Speci			Horses, a		abbits
				0.0	0.0	0	ite	Burning Histor				N/A	
		CHVI		112.2	21.0	3	S	Logging Histo				N/A	
ps		ARTRW		355.9	66.6	35	1	Cropping Hist				N/A	
를 1		EPNE		Т				Elevation		5	Slope	Azimu	ıth (°)
Trees & Shrubs		KRLA		T			1	1772			6	27	
SS							1	Major or Com		form			
ě			30 5 5				, de				Crest	Summit	Shoulder
_							i ii	Slope Compo	nent (Circle	one)	Backslope	Foots	
% Weight							iĝ	Kind of Slope	(Circle one)		Straight	Concave	
87.6							Physiography	Microrelief:				N/A	
% Cover								Depth of Water	ertable:			N/A	
,, 55,,6,				468.1	87.6	38	1	Drainage Clas				N/A	
		Totals		534.3	100.0	44.4	1	Frequency of		Pondir	od.	N/A	
(8)	D.	esent Utilization	0	% of	ORH		(Key Species)	Duration of Flo	ooding or Po	nding	· · · · · · · · · · · · · · · · · · ·	N/A	
Notes:		eserit Otilization	N/A	70 0.	0		(rey opener)	Daration of 7 is	oounig or re	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		1471	
Treatment	No = -												
reatment	Need	s.					N/A						
Special Co	nside	rations (e.g, critical l	habitat,	riparian zon	e, etc.):			N/A					
Associated	Sites	S:						N/A					

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Site Name				06D				MLRA	29	Write-up No.	06D
Ranch or S	oil-23	2 No.		N/A							
Photo No.				N/A							
Soil Taxono	omic L	Jnit		N/A					N		
Field Office		-		N/A							
_ocation:	Sec	T		R							1
	Long:		Lat:					W		E	Location in section
		Main, Norman, S. H	Kozusko			Date:	June 4, 1999		S		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	Evaluate each	indicator in re		ax for the site (circl	le those that apply)
Plant	Phenology	Symbol or	_	# 00	% Present by Weight	% Climax by Weight					11.27
Group %) O	Common Plant	Cover	Weight (lb/ac)	es(im; /eig	ass	% Climax	Species	LP roduction %	Condition rating
Comp.	her	Name	Ö	\$ €	% Present by Weight	O S	Conditions Class Indicators	Vegetation	Diversity		E (DNO)
-	۵	ACLIV	%				ons	100-76	0	(100-76)	Excellent (PNC)
ass		ACHY			1	1	difi	75-51	1-2	75-51	Good (Late Seral)
D at		SIHY			7	3	io I	(50-26)	3-4	25-0	Fair (Mid Seral)
% P	_					3		25-0	>4		Poor (Early Seral)
asses & Gra Like Plants		BRTE			Т		Final Condition			MID	
Grasses & Grass- Like Plants								Plant Vigor Decreasers		+1	Apparent Trend (Circle One)
% Weight								Age Class			, , , , , , , , , , , , , , , , , , , ,
9							ors	Distribution		0	Improving
% Cover							ato	Decreasers			
					9	5	dic	Increaser/		-	
		ASLE			2	2	d L	Invaders		0	Declining
		EROV			T		Trend Indicators				
S		SPAM			T		F	Soil Erosion		+3	
Forbs		MACA			Т						Not Apparent
ш		Cryptantha			Т			Total		+4	
								Use History:		Mo	od Heavy
% Weight							>	Kind of Anima	al:	H	Horses
2							stor	Season of Us	e:	Y	ear long
% Cover							Site History	Wildlife Speci	es:	Antelo	pe, Rabbits
					2	2	Site	Burning Histor	ry:		N/A
		ARTRW			89	35	٥,	Logging Histo	ry:		N/A
Trees & Shrubs		KRLA			T			Cropping Hist	ory:	- No.	N/A
rić.		CHVI			T			Elevation	(m)	Slope	Azimuth (°)
∞ŏ								1696	The second secon	1-3	45
es							>-	Major or Com	ponent Landf		Fan Peidment
Ē							Physiography	Slope Compo	onent (Circle	one) Crest Backslope	Summit Shoulder Footslope
% Weight							Siog	Kind of Slope	(Circle one)		Concave Convex
89							ξή	Microrelief:			N/A
% Cover							<u>~</u>	Depth of Wate	ertable:		N/A
					89	35	1	Drainage Clas			N/A
		Totals		700	100	42		Frequency of	Flooding or F	Ponding:	N/A
(8)	Pr	esent Utilization		% of		-	(Key Species)				N/A
Notes:			N/A								
Treatment	Need	s:					N/A				
Special Co	nside	rations (e.g, critical	habitat, ri	parian zo	one, etc.)	:		N/A			
Associated	Sites);						N/A			

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					Ran	ge Inv	entory Work	sheet			
Site Name				06E				MLRA_	29	Write-up No.	06E
Ranch or S	Soil-23	2 No.		N/A							
Photo No.	!!	1-14		N/A					NI.		
Soil Taxon Field Office		Jnit		N/A N/A					N		
Location:		Т		R					+++		
2000110111	Long:		Lat:					W		E	Location in section
Conservati		M., Main, Norman,	S. Kozus	sko		Date:	June 6, 1999		S		
(1)	(2)	(3)	(4)	(5)	(6) t t	(7) × =	Evaluate each	indicator in relat	tion to climax fo	r the site (circ	le those that apply)
Plant Group % Comp.	Phenology	Symbol or Common Plant Name	Cover	Weight (lb/ac)	% Present by Weight	% Climax by Weight	Conditions Class Indicators	% Climax Vegetation	Species Diversity	Production %	
	à		%				iditions Cla	100-76	0	(100-76)	Excellent (PNC)
ass		ORHY			4	4	ditio	75-51	(1-2)	75-51	Good (Late Seral)
and st		SIHY		_	2 T	2	no.	50-26 25-0	3-4	50-26 25-0	Fair (Mid Seral)
S S		HIJA			3	3	Final Condition		>4	Late Seral	Poor (Early Seral)
Grasses & Grass- Like Plants	_	THOA				J	i mai condition	Plant Vigor		Late Geral	Apparent Trend
S.								Decreasers	+2		(Circle One)
% Weight								Age Class			
9					9	9	tors	Distribution			Improving
% Cover							<u>ic</u>	Decreasers	+1		
		1015			_		Trend Indicators	Increaser/			Destision
		ASLE ASTRA			2		end	Invaders	+1		Declining
v		CASTI	-		1		F	Soil Erosion	+3		
Forbs		BRASS2			Ť				73		Not Apparent
ш								Total	+7		
0/ 14/ / 1/								Use History:			Light
% Weight					5		ory.	Kind of Animal:			Horses
5 % Cover					5		Site History	Season of Use: Wildlife Species	·		earlong , Rabbits, Deer
70 COVE	_		_				a	Burning History:		Antelope	N/A
		ARTRW			69	35	S	Logging History:			N/A
sqr		GRSP			T			Cropping Histon			N/A
Trees & Shrubs		EPNE			4	4		Elevation (n	n)	Slope	Azimuth (°)
∞ఠ		CHVI/GUSA			9	3		1909		4-6	134
ees		ATCO			4		>	Major or Compo	nent Landform	0	Fan
⊢	_		-				Physiography	Slope Compone	ent (Circle one)	Crest Backslope	Summit Shoulder
% Weight	_						iog	Kind of Slope (C	circle one)	Straight	Footslope Concave Convex
86					86	42	ي چ	Microrelief:			N/A
% Cover							<u>.</u>	Depth of Watert			N/A
								Drainage Class:			N/A
		Totals		750	100	102		Frequency of Flo			N/A
(8)	Pı	resent Utilization		% of			(Key Species)	Duration of Floo	ding or Ponding	j:	N/A
Notes:			N/A								
Treatment	Need	s:					N/A				

N/A N/A

Special Considerations (e.g, critical habitat, riparian zone, etc.):

Associated Sites:

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					Ran	ge Inve	entory Works	sheet			
Site Name Ranch or S Photo No.	oil-232	No		08A N/A N/A				MLRA_	29	Write-up No.	N/A
Soil Taxono Field Office	1	nit		N/A N/A				. [N		
ocation:	Long:	K. Blomquist, S. Ko	Lat: ozusko	R_		Date:	June 8, 1999	. w	s	E	Location in section
(1)	(2)	(3)	(4)	(5)	(6)	(7)	Evaluate each	indicator in rel		for the site (circ	le those that apply)
Plant Group % Comp.	Phenology	Symbol or Common Plant Name	% Cover	Weight (lb/ac)	% Present by Weight	% Climax by Weight	ass	% Climax Vegetation 100-76	Species Diversity	Production %	r
ŚS	ш.	HIJA	0,	11.78	1.4	1.4	iditions Cla	75-51	0 1-2	75-51	Good (Late Seral)
Gra		ACHY		Т			puo e	50-26	3-4	50-26	Fair (Mid Seral)
s & Pla		SIHY		51.44	5.9	3	Final Condition	25-0	>4	25-0 Mid Seral	Poor (Early Seral)
Grasses & Grass Like Plants							Final Condition	Plant Vigor Decreasers		0	Apparent Trend (Circle One)
% Weight 7.259807 % Cover							cators	Age Class Distribution Decreasers		0	Improving
		ASLE		63.22 10.38	7.3 1.2	4.4	Trend Indicators	Increaser/ Invaders Soil Erosion		1	Declining
Forbs							F	Total		1	Not Apparent
								Use History:		N/A	
% Weight		2 0 4					ح	Kind of Animal	A STATE OF THE PARTY OF THE PAR	N/A	,
1.191977 % Cover							isto	Season of Use		YEAR LONG	
% Cover		ARNO		10.38 794	1.2 91.2	0 35	Site History	Wildlife Specie Burning Histor Logging Histor	ν:	Horses, rabbi N/A N/A	t, antelope
sqr		EPNE		3.222	0.4	0.4	1	Cropping Histor		N/A	
Trees & Shrubs								Elevation 1950		Slope 4-5	Azimuth (°) 84
sees							È	Major or Comp	onent Landforr		Summit Shoulder
⊬ % Weight							Physiography	Slope Compor	nent (Circle one	Crest Backslope Straight	Footslope Concave Convex
91.54822							, sk	Microrelief:	Olfolo offo)	Orangin	N/A
% Cover] "	Depth of Wate			N/A
		7-4-1-		797.22	91.5	35.4	4	Drainage Class		4	N/A
(8)	D.	Totals esent Utilization	0	870.82 % of	100.0 ORHY	39.8	(Key Species)	Frequency of Floring Polymers P			N/A N/A
Notes:		esent Otilization	N/A	70 01	Orari		(Noy opedico)	puldudii oi i ic	oding of 1 ond		, , , , ,
Treatment	Needs						N/A				
Special Co	nsider	ations (e.g, critical ha	abitat,	riparian z	one, etc.):		VI	N/A			
Associated	Sites:							N/A			
-											

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					Ra	inge inv	entory wor	ksneet			
Site Name				08B				MLRA	29	Write-up No.	N/A
Ranch or S	oil-23	32 No.		N/A						_	
Photo No.				N/A							
Soil Taxon		Unit		N/A					N		
Field Office				N/A							
ocation:		T	Lat:	. R.				w		E	Location in section
	Long: onist	J. Geller, S.Pe		.Winkel		Date:	June 7, 1999	.	S		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	Evaluate each	indicator in re		nax for the site (circ	le those that apply)
Plant Group % Comp.	Phenology	Symbol or Common Plant Name	Cover	Weight (lb/ac)	% Present by Weight	% Climax by Weight	Conditions Class Indicators	% Climax Vegetation	Species Diversity	y Production %	Condition rating
	à		%		% &		iditions Cl.	100-76	0	100-76	Excellent (PNC)
ass		HIJA SIHY		16.8	4.5	4.5	di di	75-51	1-2	75-51	Good (Late Seral)
ar G		ACHY		39.9 7.1	10.6	3.0 1.9	, , ,	25-0	3-4	50-26	Fair (Mid Seral) Poor (Early Seral)
asses & Gra Like Plants		BRTE		T	1.0	1.0	Final Condition		74	Mid Seral	Foor (Early Seral)
Grasses & Grass- Like Plants								Plant Vigor		-1	Apparent Trend
								Decreasers			(Circle One)
% Weight							, n	Age Class			
16.9							ators	Distribution		0	Improving
% Cover				63.8	16.9	9.4	Trend Indicators	Decreasers		+1	
		SPAM		1.3	0.3	0.3	등	Increaser/ Invaders		*1	Declining
		Erigeron		0.3	0.1	0.1	Le.	Soil Erosion		+2	Deciming
sq		MACA		T			-	2.00.0		_	
Forbs								Total		+2	(Not Apparent)
								Use History:		N/A	
% Weight							ا ح	Kind of Anima	l:	N/A	
0.4							Site History	Season of Use		Year long	
% Cover				4.6	0.4	0.4	Ī	Wildlife Specie			elope, Rabbits
		CHVI		1.6 T	0.4	0.4	Sit	Burning Histor		N/A N/A	
SC		ATCO		69.4	18.4	3.0		Logging Histor Cropping Histor		N/A	
로		ARNO		237.0	62.8	35.0		Elevation		Slope	Azimuth (°)
o ∞		KOAMV		5.7	1.5			1935	()	3-4	249
Trees & Shrubs							_	Major or Comp	ponent Land		
							Physiography	Slope Compo		Backslope	Summit Shoulder Footslope
% Weight							ıysic	Kind of Slope	(Circle one)	Straight	Concave Convex
82.7 % Cover							£	Microrelief: Depth of Wate	ertable.		N/A N/A
76 Cover				312.1	82.7	38.0		Drainage Clas			N/A
		Totals		377.51	100.0	47.8		Frequency of		Ponding:	N/A
(8)	Pres	sent Utilization	SLIGHT		ORHY		(Key Species)	Duration of Flo	ooding or Po	nding:	N/A
Notes:			N/A								
Treatment	Need	ls:					N/A				
0											
		erations (e.g, cri	tical habi	tat, riparia	an zone, et	(C.):		N/A			
Associated	Site	S:						N/A			

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					Ran	ge Inve	entory Work	sheet			
Site Name				08C				MLRA_	29	Write-up No.	N/A
Ranch or S	oil-23	2 No.		N/A							
Photo No.				N/A							
Soil Taxono		Jnit		N/A				_	N		
ield Office				N/A							
ocation:		Т	1.00	R.				w -		E	Location in section
	Long: onist	K. Blomquist, J.Nor	Lat: rman, M.		Vinkel	Date:	June 3, 1999		s		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	Evaluate each	indicator in rela		or the site (circl	e those that apply)
Plant	Phenology	Symbol or	Ē	इंड	% Present by Weight	% Climax by Weight	v	% Climax	Species		
Group %	ou	Common Plant	Cover	Weight (Ib/ac)	Vei Vei	Nei	Conditions Class Indicators	Vegetation	Diversity	Production %	Condition rating
Comp.	Phe	Name	%	5=	3 Y	86	iditions Cl.	100-76	0	C 100-76	DExcellent (PNC)
Ś		SIHY		35.0	5.2	3.0	ion	75-51	1-2	75-51	Good (Late Seral)
is st		ACHY		3.8	0.6	0.6	들을	50-26	3-4	50-26	Eair (Mid Seral)
Grasses & Grass- Like Plants		BRTE		Т			Ŝ	25-0	>4	25-0	Poor (Early Seral)
e P							Final Condition	Rating		MID SERAL	, ser (Early Coral)
SSS Lik	0							Plant Vigor	***************************************		Apparent Trend
5								Decreasers	+1		(Circle One)
% Weight								Age Class			
5.8							Sis	Distribution			Improving
% Cover							Trend Indicators	Decreasers	+1		
				38.8	5.8	3.6	ğ	Increaser/			
		PHST		T			- -	Invaders	-1		Declining
1							<u> </u>	Soil Erosion			
S							-	OUI LIGORIA	+1		
Forbs								Total	<u></u>		(Not Apparent)
<u>"</u>					-				+2		(Not 7 spparon)
1								Use History:	+2	moderate	
% Weight				\vdash				Kind of Animal:		wild horse	
0.0							Site History	Season of Use:		all year	
% Cover							igi	Wildlife Species		wild horse, an	telone, rabbit
			(M. 1 1 1 1 1 1 1 1 1 1	0.0	0.0	0.0	a	Burning History		Unknown	No. opo, I dook
	-	ARNO		618.9	92.5	35.0	i <u>o</u>	Logging History		N/A	
sq		CHVI		10.0	1.5	1.5	1	Cropping Histor		N/A	
를 1		KOAMV		1.1	0.2			Elevation (THE RESERVE THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN COLUM	Slope	Azimuth (°)
S S								1894	,	2-3	240
SS S					II.			Major or Comp	onent Landform		fan piedmont
Trees & Shrubs							Physiography	Slope Compon	ent (Circle one)	Crest Backslope	Summit Shoulder Footslope
% Weight							go	Kind of Slope (Circle one)	Straight	Concave Convex
94.2							\$ 2	Microrelief:	Circle Circy	Circigin	N/A
% Cover								Depth of Water	table:		N/A
,, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				629.9	94.2	36.5		Drainage Class			N/A
_		Totals		668.8	100.0	40.1			looding or Pond	na:	N/A
(8)	Pr	esent Utilization		% of			(Key Species)		oding or Ponding		N/A
Votes:		OCCIN CHIIZCHOIT									***************************************
101001			N/A								
Treatment	Needs	S:					N/A				
Special Co	nside	rations (e.g, critical l	habitat, r	riparian zo	ne, etc.):			N/A			
Associated	Sites	g.						N/A			

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Site Name		-		08D				MLRA	29	Write-up No.	N/A
Ranch or S	oil-23	2 No.		N/A							
Photo No.				N/A							
Soil Taxon		Jnit		N/A					N		
Field Office		т		N/A				•	\vdash		
Location:			1 -4	. R				W	HH-	E	Location in section
	Long: onist	S. Kozusko, M.Hes	Lat:		ist	Date:	June 8, 1999				
									S		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	Evaluate each	indicator in re	elation to clim	ax for the site (circ	le those that apply)
Plant	Phenology	Symbol or	er	Weight (lb/ac)	% Present by Weight	Climax Weight	vs vs	% Climax	Species		T
Group %	90	Common Plant	Cover	/eig b/a	Vei	Nei	Conditions Class Indicators	Vegetation	Diversity	IProduction %	Condition rating
Comp.	he	Name	%	3=	% P	% O	nditions Cla	100-76	0	100-76	Excellent (PNC)
ý		ACHY	0,	6.4	0.9	1.5	ica	75-51	1-2	75-51	Good (Late Seral)
ras ts		HIJA		7.0	0.9	0.9	ng di	50-26	3-4	50-26	Fair (Mid Seral)
an Se		SIHY		T			Ö	25-0	>4	25-0	Poor (Early Seral)
Se P							Final Condition			MID SERAI	
Grasses & Grass Like Plants								Plant Vigor			Apparent Trend
5							1	Decreasers		-1	(Circle One)
% Weight							1	Age Class			
1.8							Si Si	Distribution		1	Improving
% Cover							cat	Decreasers			
				13.4	1.8	2.4	ğ	Increaser/			
		ASPU		6.5	0.9		Trend Indicators	Invaders		-1	(Declining)
1		UNK.FORB		T			ē	Soil Erosion			
so							1 -			0	
Forbs								Total		-1	Not Apparent
								Use History:		N/A	
% Weight								Kind of Anima	al:	N/A	
0.9							Site History	Season of Us	e:	year long	
% Cover							デ	Wildlife Speci	ies:	Horses, antel	ope, rabbits
				6.5	0.9	0.0	ite	Burning Histo	ry:	N/A	
		ATCO		26.6	3.6	3.0] "	Logging Histo	ory:	N/A	
Trees & Shrubs		ARNO		632.0	84.6	35.0		Cropping Hist	tory:	N/A	
녍		CHVI		13.7	1.8	1.8		Elevation	n (m)	Slope	Azimuth (°)
∞ర		EPNE		54.8	7.3	5.0		1862		3	130
es							>	Major or Com	ponent Landf		
Ę							Physiography	Slope Compo	onent (Circle	one) Crest Backslope	Summit Shoulder Footslope
% Weight] jog	Kind of Slope	(Circle one)	Straight	Concave Convex
97.3							ا چُر ا	Microrelief:			N/A
% Cover] "	Depth of Wat	ertable:		N/A
				727.1	97.3	44.8]	Drainage Clas			N/A
		Totals		747.0	100.0	47.2		Frequency of	Flooding or F	onding:	N/A
(8)	Pr	esent Utilization	0	% of	ORHY		(Key Species)	Duration of FI	looding or Po	nding:	N/A
Notes:			N/A								
Treatment	Need	s:					N/A				
Special Co	nside	rations (e.g, critical	habitat	, riparian	zone, etc.)):		N/A			
Associated	Sites	3:						N/A			

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					Kai	ige iliv	entory work	KSHeet			
Site Name				12B				MLRA	29	Write-up No	N/A
Ranch or S	oil-23	2 No.		N/A						_	. 1477
Photo No.				N/A							
Soil Taxon		Jnit		N/A					N		
Field Office				N/A							
Location:		Т	1	R				W		 E	Location in section
	Long: onist	J. Geller, V, Winke	Lat: I, S. P	etersen		Date:	June 7, 1999				
(1)	(2)	(3)	(4)	(5)	(6)	(7)			S		
			2 12				Evaluate each	indicator in re	elation to clir	max for the site (cir	cle those that apply)
Plant Group %	Phenology	Symbol or Common Plant	Cover	Weight (lb/ac)	% Present by Weight	% Climax by Weight	SS	% Climax	Specie	Production 9	% Condition rating
Comp.	Jen	Name	ဝိ	We (B	₽ ×	ਙਂ≶	S Cla	Vegetation	Diversi	ty	
	۵	W SPRINGS	%				Conditions Class Indicators	100-76	0	100-76	Excellent (PNC)
Grasses & Grass- Like Plants		ACHY		170.5	34.0	34.0	iğ iğ	75-51 50-26	1-2	75-51	Good (Late Seral)
asses & Gra Like Plants		HIJA		103.6	20.7	5.0	Б <u>-</u>	25-0	>4	50-26 25-0	Fair (Mid Seral) Poor (Early Seral)
SS II	-						Final Condition			MID SERA	
Like							, mar condition	Plant Vigor		WID OLIV	Apparent Trend
Gra								Decreasers		0	(Circle One)
% Weight								Age Class		CHARLES AND THE PROPERTY OF TH	
54.7							ors	Distribution			Improving
% Cover							icat	Decreasers		+1	
				274.1	54.7	39.0	Trend Indicators	Increaser/			
		ASLE		5.8	1.2		pu	Invaders		1	Declining
		SAIB		173.1	34.6		Tre	Soil Erosion			
Forbs		MACA		1.2	0.2					+2	
윤		UNK.FORB		Т				Total		+2	Not Apparent
								Use History:			N/A
% Weight								Kind of Anima	al:		N/A
36.0							toi	Season of Us	THE RESERVE AND ADDRESS OF THE PERSON NAMED IN	Year long	
% Cover							Site History	Wildlife Speci	ies:	Horses, ante	elope, rabbits
				180.1	36.0	0.0	Site	Burning Histo	ry:		N/A
		KRLA		37.9	7.6	7.6	0,	Logging Histo	ory:		N/A
ğ		CHVI		8.7	1.7	1.7		Cropping Hist	tory:		N/A
Trees & Shrubs								Elevation	. 0 181	Slope	Azimuth (°)
•ర								1615		0-1	227
ě							È	Major or Com	iponent Lan	Crest	Summit Shoulder
F							rap	Slope Compo	onent (Circle	e one) Backslope	
% Weight							joj	Kind of Slope	(Circle one		Concave Convex
9.3							Physiography	Microrelief:	, 2 0.10	, caagn	N/A
% Cover	-						_	Depth of Wat	ertable:		N/A
				46.6	9.3	9.3		Drainage Clas	SS:		N/A
		Totals		500.8	100.0	48.3		Frequency of			N/A
(8)	Pr	resent Utilization	0	% of	ORHY, CELA,	ATCA, STCO	(Key Species)	Duration of FI	looding or P	onding:	N/A
Notes:			N/A								
Treatment	Need	s:					N/A				
Special Co	onside	rations (e.g, critical	habita	t, ripariar	zone, etc	.):		N/A			
Associated	Sites	S:						N/A		4	

	Filial Rep
	- W - W - W - W - W - W - W - W - W - W
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					Rar	nge Inv	entory Work	sheet			
Site Name				12C				MLRA	29	Write-up No.	N/A
Ranch or S	oil-23	2 No.		N/A						TTINO OP TTO.	
Photo No.		-		N/A							
Soil Taxon	omic I	Unit		N/A					N		
Field Office	9			N/A							
Location:		T		R		_		w		E	Location in section
	Long: onist	M. Hessing, K. Blo	Lat: mquis			Date:	June 8, 1999	. E	S		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	Evaluate each	indicator in rela		r the site (circ	e those that apply)
Plant	Phenology	Symbol or	<u>_</u>	±	% Present by Weight	% Climax by Weight		,			
Group %	op	Common Plant	Cover	Weight (lb/ac)	Present Weight	/eig	asse	% Climax Vegetation	Species	Production %	Condition rating
Comp.	he	Name	%	≥€	% ≥ ~ >	0 >	Conditions Class Indicators	100-76	Diversity 0 0	100-76	Excellent (PNC)
ý	ш.	ACHY	0,	210.9	27.5	27.5	ions	75-51	1-2	75-51	Good (Late Seral)
siras ts		HIJA		0.9	0.1	0.1	ig g	50-26	3-4	50-26	Fair (Mid Seral)
an lan		BRTE		T			S	25-0	>4	25-0	Poor (Early Seral)
asses & Gra Like Plants							Final Condition	Rating		LATE SERA	
Grasses & Grass- Like Plants								Plant Vigor			Apparent Trend
								Decreasers	+2		(Circle One)
% Weight							, n	Age Class			
27.6						-	Itori	Distribution			Improving
% Cover			_	044.0	07.0	07.0	Trend Indicators	Decreasers	+1		
		ODVOTABITUA		211.8	27.6	27.6	=	Increaser/			Deslining
1		CRYPTANTHA SAIB	_	T 197.9	25.8	-	end	Invaders			Declining
S		STPA	-	4.1	0.5	-	⊨	Soil Erosion	+2		
Forbs		SIFA	-	4.1	0.5	-			+2		(Not Apparent)
ш.								Total	+4		Not Apparent
1	-					 		Llee Llieten	- 14		N/A
% Weight	-		_	 		+		Use History: Kind of Animal:			N/A
26.3						_	Site History	Season of Use:			Year long
% Cover							I	Wildlife Species	i.	Horses, antel	
				202.0	26.3	0.0	<u>i</u> g.	Burning History:			N/A
		ATCA		245.0	31.9	25.0	σ I	Logging History:			N/A
Trees & Shrubs		TEGL		6.9	0.9	0.9		Cropping Histor			N/A
l Shr		PSFR		102.4	13.3			Elevation (r	n)	Slope	Azimuth (°)
۰۵								1587		2	239
sees							≥	Major or Compo	nent Landform		
Ĕ			_			-	Physiography	Slope Compone	ent (Circle one)	Crest	Summit Shoulder
0/ \A/a;ab4			_	-		-	oge	Kind of Class (C	Ninela anni	Backslope	Footslope
% Weight 46.1			-	 		-	isk	Kind of Slope (C Microrelief:	arcie one)	Straight	Concave Convex N/A
% Cover			-	 			<u>ā</u>	Depth of Watert	able.		N/A
,0 00101				354.3	46.1	25.9	1	Drainage Class:			N/A
		Totals		768.2	100.0	53.5		Frequency of Flo		na:	N/A
(8)	Pi	resent Utilization	0	% of	ATCA,		(Key Species)	Duration of Floo			N/A
Notes: Treatment	Need	s:	N/A				N/A				
Special Co	nside	rations (e.g, critical	habita	t, riparian	zone, etc.):		N/A			
Associated	Sites	3:						N/A			

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					Kan	ge mv	entory work	sileet					
Site Name				14A				MLRA	29		Write-up No.	14a	
Ranch or S	oil-23	2 No.		N/A						_			
Photo No.				N/A									
Soil Taxon		Jnit		N/A					N				
Field Office		<u>_</u> _		N/A					\rightarrow	_			
_ocation:		T.		R				w	\rightarrow	_	E	Location	n section
	Long:	M. Main, J. Normar	Lat:	usko		Date:	June 6, 1999		++	+			
5011501 Vati	Jillot	W. Wall, C. Wolffia	1, 0. 1102	usito		Dato.	- Darie 0, 1000		S				
(1)	(2)	(3)	(4)	(5)	(6)	(7)	Evaluate each	indicator in re		imax fo	r the site (circ	le those th	at apply)
Plant	Phenology	Symbol or	ē	t o	% Present by Weight	% Climax by Weight		% Climax	Speci	_			
Group %	oue	Common Plant	Cover	Weight (lb/ac)	res Nei	Slim	s	Vegetation	Divers		Production %	Conditio	n rating
Comp.	Phe	Name	%	50	% F	% C	Conditions Class Indicators	100-76	0	,	100-76	Exceller	t (PNC)
ss		ACHY			5	5	dica	75-51	1-2		75-51	Good (La	
Gra		SIHY			2	2	DE C	50-26	3-4		50-26	Fair (Mi	d Seral)
Par &								25-0	>4		25-0	Poor (Ea	rly Seral)
ses							Final Condition				Late Seral		
Grasses & Grass- Like Plants								Plant Vigor					nt Trend
% Weight								Decreasers		+1		(Circle	One)
% vveignt					7	7	હ	Age Class				Impro	wing
% Cover					,		Trend Indicators	Distribution Decreasers		+1			Ville
70 00001							ig	Increaser/					
		PHLOX2			T		는 전	Invaders		+1		Decl	ning
1		BRASS2			1		je j			-			
So		CASTI			1		-	Soil Erosion		+3			
Forbs		ASLE			T			Total				Not Ap	parent
								Total		6			
								Use History:				Light	
% Weight							2	Kind of Anima	ıl:			Horses	
2					2		isto	Season of Use				ear long	
% Cover							Site History	Wildlife Specie			Antelope	e, Rabbit, I	Deer
		ADADN			75	AF	iš	Burning Histor				N/A	
S		ARARN EPNE			75 3	45 3		Logging Histo				N/A N/A	
ğ		BUCKWHEAT			1			Cropping Hist Elevation	THE RESERVE AND DESCRIPTION OF THE PERSON.		Slope	Azimı	th (°)
S		GUSA			12			1972			10	4	
SS SS		ATCO			T			Major or Com		ndform		Rolling Hi	
Trees & Shrubs							Physiography				Crest		Shoulder
							gra	Slope Compo	ment (Circi	e one)	Backslope	Foots	slope
% Weight							Sio	Kind of Slope	(Circle one	e)	Straight	Concave	Convex
91					91	48	H.	Microrelief:				N/A	
% Cover								Depth of Water				N/A	
	-	Tatala		405	400	440		Drainage Clas		- DI		N/A	
(8)	D-	Totals		425 % of	100	110	(Key Species)	Frequency of				N/A N/A	
Notes:	Pr	resent Utilization		76 OI			(Ney Species)	Duration of Fi	doding of r	onding	j.	IWA	
Notes.			N/A										
Treatment	Need	S:					N 1/A						
							N/A						
Special Co	nside	rations (e.g, critical	habitat, r	iparian zo	one, etc.)	:		N/A					
Associated	Sites	3:						N/A					

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ite Name				164				MLRA	20	Write-up No.	NI/A
Ranch or S	oil 22	2 No.		16A N/A				- MLRA	29	Write-up No.	IN/A
hoto No.	011-23	2 NO.		N/A				ŧ			
oil Taxon	omic I	Init		N/A N/A				•	N		
ield Office		Jill		N/A					 	_	
ocation:		T		R					$\overline{}$		
			Late	. к		6		W	-	— E	Location in section
	Long:	I Calles V Minter	Lat:			Data	lu== 0 4000		++++	-	
onservau	onist	J. Geller, V. Winke	, S. PE	etersen		. Date:	June 8, 1999		S		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	Evaluate each	indicator in re		for the site (circ	cle those that apply)
Plant	9	Symbol or			% Present by Weight	× E	Lvaldate each	i ilidicator ili re	slation to clima	(IOI the site (Circ	sie triose triat appry)
Group %	Phenology	Common Plant	Cover	Weight (Ib/ac)	eig	Climax Weight	SS	% Climax	Species	Production %	Condition rating
Comp.	Je J	Name	ပိ	§ §	F >	ਤੋਂ ≷	Cla Is	Vegetation	Diversity		
	۵		%			2 %	Conditions Class Indicators	100-76	0	100-76	Excellent (PNC)
388		ACHY		10.6	1.9	1.9	di iii	75-51	C 1-2	75-51	Good (Late Seral)
asses & Gra Like Plants		SIHY		4.6	8.0	0.8	l be d	50-26	3-4	50-26	Fair (Mid Seral)
∞ <u>a</u>		HIJA		118.3	21.4	15.0	ŭ	25-0	>4	25-0	Poor (Early Seral)
ses (e l		SPCR		14.2	2.6	2.6	Final Condition	Rating		MID SERA	L
Grasses & Grass- Like Plants		ERPU		40.6	7.3			Plant Vigor			Apparent Trend
		BRTE		66.3	12.0			Decreasers		0	(Circle One)
% Weight								Age Class			1
46.0							ors	Distribution			Improving
% Cover							cat	Decreasers		0	
1				254.6	46.0	20.3	Trend Indicators	Increaser/			1
		SPAM		1.0	0.2	0.2	- P	Invaders		-1	Declining
1		ANNUALS				0.6	<u> </u>			·	
S		DEPI		1.9	0.4		-	Soil Erosion		+2	
Forbs		MACA		1.0	0.2		1				Not Apparent
ш ј		PHST		T			1 1	Total		+1	(тост фраголь)
ł		11101						Llee History		T1	NVA
% Weight								Use History:	.i.		N/A
0.7							5	Kind of Anima		Year long	
_			_				Site History	Season of Us			1
% Cover				0.0	0.7	0.0	4	Wildlife Speci		Horses, ante	
		EDILE	-	3.9	0.7	0.8	Sit	Burning Histo			N/A
S		EPNE		1.6	0.3	0.3		Logging Histo			N/A
울		LYAN		92.2	16.7	5.0		Cropping Hist			N/A
Sh		GRSP		87.2	15.8	15.8		Elevation		Slope	Azimuth (°)
∾ర .		ARSP		7.7	1.4	1.4		1739		4-5	263
Trees & Shrubs		CACTUS		105.8	19.1		>	Major or Com	ponent Landfor		
۴							Physiography	Slope Compo	onent (Circle on	e) Crest Backslope	Summit Shoulder Footslope
% Weight] <u>,</u>	Kind of Slope	(Circle one)	Straight	Concave Convex
53.3							ř	Microrelief:			N/A
% Cover							۵.	Depth of Water	ertable:		N/A
				294.4	53.3	22.5	1	Drainage Clas	SS:		N/A
		Totals		552.8	100.0	43.6			Flooding or Po	ndina:	N/A
(8)	Pr	esent Utilization	0	% of	ORI				ooding or Pond		N/A
lotes:			N/A								
							N/A				
Special Co	nside	rations (e.g, critical l	nabitat,	, riparian z	zone, etc.):			N/A			
Associated	Sites	;					-	N/A			

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4/00 /Day/	

					Ran	ge Inv	entory Worl	ksheet			
Site Name				16B				MLRA	29	Write-up No.	N/A
Ranch or S	oil-23	2 No.		N/A							
hoto No.				N/A							
oil Taxono		Jnit		N/A					N	7	
ield Office				N/A						4	
ocation:		Т	1 -4	R.				W		E	Location in section
	Long: onist	J. Geller, V. Winke	Lat: I, K. B	lomquist		Date:	June 6, 1999		S	1	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	Evaluate each	indicator in re		or the site (circ	le those that apply)
Plant Group %	Phenology	Symbol or Common Plant	Cover	Weight (lb/ac)	% Present by Weight	% Climax by Weight		% Climax	Species	Production %	
Comp.	Phen	Name	°C	₩ e	% Pr	y ≪	Conditions Class Indicators	Vegetation 100-76	Diversity 0	100-76	Excellent (PNC)
Ś		ACHY		48.5	8.1	8.1	ig fig.	75-51	1-2	75-51	Good (Late Seral)
Sra		HIJA		52.9	8.8	8.8	ig g	50-26	3-4	50-26	Fair (Mid Seral)
a la								25-0	>4	25-0	Poor (Early Seral)
ses							Final Condition	Rating		LATE SERA	
Grasses & Grass- Like Plants								Plant Vigor Decreasers	+	1	Apparent Trend (Circle One)
% Weight							1	Age Class			(44,44,44,44,44,44,44,44,44,44,44,44,44,
16.8							Sis	Distribution			Improving
% Cover							cat	Decreasers	+	1	
				101.3	16.8	16.9	ğ	Increaser/			
		SPAM		3.9	0.6	0.6	힏	Invaders			Declining
		ANNUALS				3.0	Trend Indicators	Soil Erosion			
Forbs		DEPI		Т			,	GOII ETOSIOTI	+.	2	
ō.		MACA		10.1	1.7			Total			(Not Apparent)
- 1		ARABIS		8.1	1.3				+-	4	
		CHST		Т				Use History:			N/A
% Weight			_				Š	Kind of Anima			N/A
3.7 % Cover							Site History	Season of Use Wildlife Speci		The second secon	ear long antelope, rabbits
% Cover				22.1	3.7	3.6	te te	Burning Histor		riorses, a	N/A
		CHVI		T			ιΣ	Logging Histo			N/A
sq		GRSP		210.8	35.0	30.0		Cropping Hist			N/A
Trees & Shrubs		ARSP		59.1	9.8	5.0		Elevation	The same of the sa	Slope	Azimuth (°)
ος •8		KRLA		208.4	34.6	5.0	1	1710	- A - A	2-3	285
es								Major or Com	ponent Landforn	1	
Ę.							Physiography	Slope Compo	onent (Circle one) Crest Backslope	Summit Shoulder Footslope
% Weight] .je	Kind of Slope	(Circle one)	Straight	Concave Convex
79.5) <u>ફ</u>	Microrelief:			N/A
% Cover								Depth of Water			N/A
				478.3	79.5	40.0		Drainage Clas			N/A
(0)		Totals		601.7	100.0	60.5	(1/	The second liverage and the second	Flooding or Pon	The second liverage and the se	N/A
(8) Notes:	Pr	resent Utilization	N 1/A	% of			(Key Species)	Duration of FI	ooding or Pondir	ig:	N/A
			N/A								
Treatment	Need	s:					N/A		8.03		
Special Co	nside	rations (e.g, critical	habita	t, riparian	zone, etc.):		N/A			
Associated	Sites	3.			· · · · · · · · · · · · · · · · · · ·			N/A			

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					Ran	ige Inv	entory Work	sheet			
Site Name				16C				MLRA	29	Write-up No.	N/A
Ranch or S	Soil-23	2 No.		N/A							
Photo No.				N/A							
Soil Taxon	omic l	Jnit		N/A				_	N	_	
Field Office	9			N/A]	
Location:		т		R				wE		E	Location in section
	Long: onist	V. Winkel, J. Gelle	Lat: r, K. Bl	omquist		Date:	June 4, 1999	. "E	S	-	200010111110001011
(1)	(2)	(3)	(4)	(5)	(6)	(7)	Evaluate each	indicator in rela		or the site (circ	le those that apply)
Plant	Phenology	Symbol or	-	きつ	% Present by Weight	% Climax by Weight					o meet mat apply)
Group %	olo S	Common Plant	Cover	Weight (lb/ac)	Present Weight	limin /eig	ass	% Climax	Species	Production %	Condition rating
Comp.	he	Name	%	≥ €	° >	0 5	Or CI	Vegetation 100-76	Diversity	100-76	Fundlest (DNC)
ώ	ш	HIJA	6	315.6	61.2	15.0	Conditions Class Indicators	75-51	1-2	75-51	Excellent (PNC) Good (Late Seral)
ras	-	SIHY		5.9	1.1	1.1	In dig	50-26	3-4	50-26	Fair (Mid Seral)
an an		BRTE		T		111	Ö	25-0	C>4	25-0	Poor (Early Seral)
asses & Gra Like Plants		STCO		T			Final Condition			Mid Seral	r our (Early Coral)
Grasses & Grass- Like Plants								Plant Vigor			Apparent Trend
້ອ							1	Decreasers	-1		(Circle One)
% Weight								Age Class			
62.3							lors	Distribution			Improving
% Cover							<u>8</u>	Decreasers	-1		
				321.5	62.3	16.1	Trend Indicators	Increaser/			
		SPAM		10.6	2.0	2.0	P	Invaders	-1		Declining
		ASPU		1.3	0.3		, i	Soil Erosion			
Forbs		CRYPTANTHA		T					+1		
Ę.		LEPIDIUM		Т				Total			Not Apparent
		CHST		2.9	0.6	0.6			-3		
		HACKELLIA		Т				Use History:			N/A
% Weight		ERNI		Т			2	Kind of Animal			N/A
3.0		SEMU	-	0.6	0.1	0.1	Site History	Season of Use			ear long
% Cover		MENTZELIA	T	15.4	3.0	2.7	. D	Wildlife Specie		Horses, a	ntelope, rabbits
		ATCO		156.3	30.3	3.0	Si	Burning Histon			N/A
so		ARSP		22.6	4.4	4.1		Logging Histor Cropping Histo			N/A N/A
2		EPNE		T				Elevation	Market Street, Square,	Slope	Azimuth (°)
Ω «X							1 1	1646	\ <i>,</i>	2-3	275
es							1 .		onent Landform		
Trees & Shrubs							Physiography		nent (Circle one)	Creet	Summit Shoulder
							gra			Backslope	Footslope
% Weight							Sio	Kind of Slope ((Circle one)	Straight	Concave Convex
34.7							. F	Microrelief:			N/A
% Cover				470.0	07-	-	-	Depth of Water			N/A
				178.9	34.7	7.1		Drainage Class		- Commercial Commercia	N/A
(0)		Totals		515.8	100.0	25.9	(Varionalias)		looding or Pond		N/A
(8)	Pr	esent Utilization		% of		-	(Key Species)	Duration of Flo	oding or Pondin	g:	N/A
Notes:	Need		N/A							, a	
Treatment							N/A				
Special Co	nside	rations (e.g, critical	habitat,	riparian :	zone, etc.)):		N/A			
Associated	d Sites							N/A			

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					Ran	ge Inv	entory Work	sheet			
Site Name				17A				MLRA	29	Write-up No.	N/A
Ranch or S		2 No.		N/A						Time op Te.	
Photo No.		1		N/A				" —			
Soil Taxon	omic l	Jnit		N/A			A - 245 - 24 - 25 - 25 - 25 - 25 - 25 - 2		N		
Field Office	Э			N/A							
Location:		T		R				W		E	Location in section
	Long:	Main Norman Ka	Lat:			D-4	l 0 4000	***		-	Location in Section
Conservati (1)	(2)	Main, Norman, Koz	(4)	(5)	(6)	(7)	June 6, 1999		S	1	
						0. 7	Evaluate each	indicator in re	lation to climax for	or the site (circ	e those that apply)
Plant Group % Comp.	Phenology	Symbol or Common Plant Name	Cover	Weight (Ib/ac)	% Present by Weight	% Climax by Weight	Conditions Class Indicators	% Climax Vegetation	Species Diversity	Production %	
	۵		%			2%	iditions Cla	100-76	0	(100-76)	Excellent (PNC)
ass		HIJA			T		nditii	75-51 50-26	1-2	75-51 50-26	Good (Late Seral)
ant					-		, j	25-0	3-4		Fair (Mid Seral) Poor (Early Seral)
8 8 8							Final Condition		(74)	Poor early S	THE RESERVE OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN COLUMN TW
Grasses & Grass- Like Plants							Final Condition	Plant Vigor		1 ool early c	Apparent Trend
Gra								Decreasers	-2		(Circle One)
% Weight		31						Age Class			
0							Sio	Distribution			Improving
% Cover							cat	Decreasers	-2		
							밀	Increaser/			
		HAGL			89		Trend Indicators	Invaders	-2		Declining
SC		SPAM			3	2	, E	Soil Erosion	+3	3	
Forbs								Total	-2		Not Apparent
								Use History:			Heavy
% Weight							2	Kind of Anima	d:	ŀ	Horses
92					92	2	sto	Season of Use		The state of the s	ear long
% Cover							Site History	Wildlife Speci		antek	ope, rabbits
	-	AT00					Site	Burning Histor			N/A
S		ATCO ARSP			5	5		Logging Histo			N/A
Jun d		KOAMV			1			Cropping History Elevation		Slope	N/A Azimuth (°)
Ś		KOAWV						1554		0-1	227
Se									ponent Landform		Lake Plain
Trees & Shrubs							d d		nent (Circle one)	Creet	Summit Shoulder
							Physiography			Backslope	Footslope
% Weight							ysic	Kind of Slope	(Circle one)	Straight	Concave Convex
8					8	7	Æ	Microrelief:	4.11		N/A
% Cover						-		Depth of Wate Drainage Class			N/A N/A
		Totals		300	100	9			Flooding or Pond	lina:	N/A
(8)	Pr	resent Utilization		% of	100		(Key Species)		ooding or Pondin		N/A
Notes:											
Treatment	Need	s:					N/A				
Special Co	onside	rations (e.g, critical	habitat, ri	parian zo	ne, etc.)	:		N/A			
Associated	Sites	s:						N/A			

		I Francisco				Fir	al Report				
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					Rar	nge Inv	entory Wor	ksheet			
Site Name				17B				MLRA	29	Write-up No.	N/A
Ranch or S Photo No.	Soil-23	2 No.		N/A N/A				_			
Soil Taxon	nomic l	Init		N/A				-	N		
Field Offic				N/A				- 1			
Location:	Sec	T		R				- w		□ _E	Location in section
	Long:		Lat:							Ш-	Location in Section
Conservat	ionist	Main, Norman, Ko	zusko			- Date:	June 4, 1999	9	S		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	Evaluate eac	h indicator in re		nax for the site (circ	le those that apply)
Plant Group %	Phenology	Symbol or Common Plant	Cover	Weight (lb/ac)	% Present by Weight	Climax Weight	Conditions Class Indicators	% Climax Vegetation	Species		Condition rating
Comp.	F.	Name	%	50	% A	% A	nditions Cl.	100-76	0	(100-76)	Excellent (PNC)
Grasses & Grass- Like Plants		ORHY			5	5	ig ig	(75-51)	1-2		Good (Late Seral
Great		BRTE			Т		P =	50-26	3-4	50-26	Fair (Mid Seral)
S & Pla	-	HIJA			2	2		25-0	>4	25-0	Poor (Early Seral)
sse	-	SPCR			T	_	Final Conditio			Late Seral	L Apparent Trans
Gra				 	_		1	Plant Vigor Decreasers		+1	Apparent Trend (Circle One)
% Weight					-		1	Age Class			(6.16.6 6.16)
7					7	7	ors	Distribution			Improving
% Cover					1		Trend Indicators	Decreasers		0	
						14	밀	Increaser/			
		MACA			1	1	Pie Pie	Invaders		-1	Declining
, o	_	CHST SAKA	-		5	2	Ĕ	Soil Erosion		+3	
Forbs	_	HAGL		-			1			+3	Not Apparent
ш.		1,7,02					1	Total		+3	(tot Apparent)
								Use History:			N/A
% Weight							_	Kind of Anima	al:		Horses
9					9	3	Site History	Season of Use	e:	Y	ear long
% Cover							Ĭ	Wildlife Speci	es:	Antelope	e, rabbit, horse
							Site	Burning Histor			N/A
S		ATCO ARSP			64 20	35 15		Logging Histo			N/A
Trees & Shrubs	-	ARSF	-		20	15		Cropping Hist Elevation	NAME AND ADDRESS OF THE OWNER, OF TAXABLE PARTY.	Slope	N/A Azimuth (°)
Ś	_						1	1598		0-1	133
Se Se							1	Major or Com			Fan piedment
Ĭ,							Ę .	Slope Compo	-	Crest	Summit Shoulde
							g g			Backslope Backslope	Footslope
% Weight							Physiography	Kind of Slope	(Circle one)	Straight	Concave Convex
84					84	50	£.	Microrelief:	- 1-1-1-		N/A
% Cover	_			-	-	-	-	Depth of Water Drainage Class			N/A N/A
	-	Totals		450	100	134	1	Frequency of		Ponding:	N/A
and the second		iolais		700	100	104		I requericy of	. looding of r	Oriding.	14/7

% Cover Depth of Watertable: N/A Drainage Class: N/A Drainage Class: N/A Frequency of Flooding or Ponding: N/A Notes:

N/A

Treatment Needs:

N/A

Special Considerations (e.g, critical habitat, riparian zone, etc.):

N/A

Depth of Watertable: N/A

Frequency of Flooding or Ponding: N/A

Duration of Flooding or Ponding: N/A

N/A

N/A

N/A

N/A

N/A

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					Range	Inven	tory Worksh	neet			
ite Name				17C				MLRA_	29	Write-up No.	N/A
Ranch or S	oil-23	2 No.		N/A				_			
hoto No.				N/A							
oil Taxon		Jnit		N/A					N	7	
ield Office				N/A				. -	+++	4	
ocation:		·.	Lat:	. F	`			w-		E	Location in section
	Long: onist	MAIN,NORMAN,KO				Date:	June 6, 1999	. [S	_	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	Evaluate each	indicator in rela		or the site (circ	le those that apply)
Plant Group %	Phenology	Symbol or Common Plant	Cover	Weight (lb/ac)	% Present by Weight	% Climax by Weight	Conditions Class Indicators	% Climax Vegetation	Species Diversity	Production %	Condition rating
Comp.	Æ	Name	%	> -	% 6	% 6	iditions Cla	100-76	0	100-76	Excellent (PNC)
SS							dica	75-51	1-2	75-51	Good (Late Seral)
age of							Pu C	50-26	3-4 >	50-26	Fair (Mid Seral)
Pa &								25-0	>4	25-0	Poor (Early Seral)
ses ke							Final Condition		Early Seral		
Grasses & Grass- Like Plants								Plant Vigor Decreasers	-4	2	Apparent Trend (Circle One)
% Weight							ys.	Age Class			
0%							ator	Distribution			Improving
% Cover							dic	Decreasers			- 1
		HAGL			97		두	Increaser/	-4		Declining
s l		BRASS			T		Trend Indicators	Invaders Soil Erosion	+		Dodining
Forbs								Total			Not Apparent
								Use History:		Heavy	
% Weight							>	Kind of Animal:		Horses, ante	ope, rabbits
97%					97		Site History	Season of Use	:	Year long	
% Cover							坣	Wildlife Specie	s:	Horses, ante	ope, rabbits
							Site	Burning History		N/A	
w		ATCO			3	3		Logging History		N/A	
월		KRLA			T			Cropping Histo	The state of the s	N/A	
ري ال				-	-			Elevation (1610	(m)	Slope 1-2	Azimuth (°) 301
80					+			Major or Comp	onent Landform		Lake Plain
Trees & Shrubs							Physiography		nent (Circle one	Crost	Summit Shoulder Footslope
% Weight							Şi	Kind of Slope (Circle one)	Straight	Concave Convex
3%					3	3] हे	Microrelief:			N/A
% Cover							_	Depth of Water			N/A
								Drainage Class			N/A
		Totals		325	100	3			looding or Pon		N/A
(8)	Pı	resent Utilization	0	% of	N/A		(Key Species)	Duration of Flo	oding or Pondir	ng:	N/A
Notes:			N/A								
Treatment	Need	s:									
							N/A				
Special Co	nside	rations (e.g, critical	habitat,	riparian zone	, etc.):			N/A			V
Associated	Sites	s:						N/A	17-17-		

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					range	, 111401	itory Works	neet					
Site Name				20A				MLRA	29)	Write-up No.	N/A	
Ranch or 8		2 No.		N/A									
Photo No.				N/A									
Soil Taxon		Jnit		N/A				. ,		N	_		
Field Office				N/A				.		\vdash	4		
Location:		т	1 -4	F				w	-	++	Ε	Location	in section
Conservat	Long: onist	MAIN, NORMAN, H	Lat: _ KOZUSKO			Date:	June 4, 1999			s	1		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	Evaluate each	indicator in re			or the site (circ	le those th	at apply)
Plant	Phenology	Symbol or	_	せつ	% Present by Weight	% Climax by Weight					1	1	ат арріј /
Group %	ob	Common Plant	Cover	Weight (lb/ac)	Present Weight	Veig	Conditions Class Indicators	% Climax	10000	ecies	Production %	Conditio	n rating
Comp.	he	Name	%	≥ €	9 %	% S	iditions Ck	Vegetation 100-76		ersity 0	100-76	Evenller	+ (DNC)
Ś	ш		0		0.0	80	icat	75-51		1-2	75-51		nt (PNC) ate Seral)
Grasses & Grass Like Plants							를 할 말	50-26	_	3-4	50-26		id Seral)
& G lan							Š	25-0	-	>4	25-0		rly Seral)
asses & Gra Like Plants							Final Condition		Mid Ser			1 001 (20	117 00.017
ass								Plant Vigor				Apparei	nt Trend
Gra							1	Decreasers		-2	2		One)
% Weight								Age Class					
							l gi	Distribution				Impr	oving
% Cover							<u>ë</u>	Decreasers		-2	2		
							Trend Indicators	Increaser/					_
		HAGL			60		P P	Invaders		-2	2	(Decl	ining)
sq		SAKA			Т		P P	Soil Erosion		0			
Forbs								Total		-6	5	Not Ap	parent
								Use History:			N/A		
% Weight							>	Kind of Anima	l:		HORSES		
60%					60.0		Site History	Season of Use	e:		Year long		
% Cover							堂	Wildlife Specie	es:		Horses, antel	ope, rabbi	s
							J. je	Burning Histor	V:		N/A		
ø		KRLA			35	35	,	Logging Histor			N/A		
Trees & Shrubs		ATCO			5	3		Cropping Histo	THE REAL PROPERTY.		N/A		
Sh					-			Elevation	(m)		Slope	7.00	ıth (°)
oŏ (0			_		-			1595		1	0-1	fla	
96							È	Major or Comp	ponent L	andform		lake Ipain	Shoulder
F					_		gb	Slope Compo	nent (Ci	rcle one	Crest Backslope		
% Weight					-		Physiography	Kind of Slope	(Circle o	ne)	Straight	Concave	Convey
40%					40	38	ξ.	Microrelief:	Concie	nic)	Ottaignt	N/A	COLLACY
% Cover					10		۵.	Depth of Wate	ertable:			N/A	
								Drainage Clas		-		N/A	
		Totals		400	100	38	1	Frequency of		or Pond	lina:	N/A	
(8)	Pr	esent Utilization	0	6 of	N/A		(Key Species)					N/A	
Notes:		use lack of desirable	e grass spe	ecies and ir	icrease in i	undesira							
Treatment	Need	S:					N/A						
Special Co	nside	rations (e.g, critical	habitat, rip	arian zone,	etc.):			N/A					
Associated	Sites	s:						N/A					

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					Kange	HIVE	itory Works	1001					
Site Name				20B				MLRA	29		Write-up No.	N/A	
Ranch or S	oil-23	2 No.		N/A				5144440.04,404.00					
Photo No.				N/A									
Soil Taxon		Unit		N/A						1	,		
Field Office				N/A					\vdash				
_ocation:		т.	Lat:	, F	·			w	\vdash		E	Location in s	ection
	Long:	GELLER, WINKEL		SEN		Date:	June 8, 1999			+			
00110011441	011101	OLLECT, WHITE	,			DU10.			5	3	,		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	Evaluate each	indicator in re			or the site (circle	e those that a	apply)
Plant	ô	Symbol or	ē	# co	sent	ax	vs	% Climax	Spe	oioc	1		
Group %	Phenology	Common Plant	Cover	Weight (lb/ac)	Vel	Climax Weight	s	Vegetation	Dive		Production %	Condition r	ating
Comp.	P	Name	%	50	% Present by Weight	% p	Conditions Class Indicators	100-76) C		100-76	Excellent (F	PNC)
SS		ACHY		2.4	0.6	0.6	dics	75-51	1-	2	75-51	Good (Late	-
Gra		ERPU		19.3	4.9	2.0	bro d	50-26	3-	4	50-26	Fair (Mid S	Seral)
∞ E								25-0	>	4	25-0	Poor (Early	Seral)
Grasses & Grass. Like Plants					-		Final Condition	The second secon			Late Seral	A 1 T	
jra,					_			Plant Vigor Decreasers		-1		Apparent T (Circle O	
% Weight	-				_			Age Class		-1		(Onoic O	110)
5.5							ors	Distribution				Improvir	ng
% Cover							Eg .	Decreasers		-1			
				21.7	5.5	2.6	<u>i</u>	Increaser/					_
		ASLE		11.7	3.0		Trend Indicators	Invaders		-1		(Declinin	g)
SS							, P	Soil Erosion		+2			
Forbs								Total	227	-1		Not Appar	rent
								Use History:			N/A		
% Weight							2	Kind of Anima	ıl:		N/A		
3.0							sto	Season of Use			Year long		
% Cover				11.7	3.0	0.0	Site History	Wildlife Speci			Horses, antel	ope, rabbits	
	_	ARSP		39.0	9.9	8.0	ši	Burning Histor Logging Histo			N/A		
ps		KRLA		278.8	71.1	70.0	1 1	Cropping Histo			N/A		
Trees & Shrubs		ATCO		41.1	10.5	3.0		Elevation			Slope	Azimuth	(°)
oo ∞ŏ]	1551	, , ,		1-2	270	` '
ses							≥	Major or Com	ponent La	andform			
Ē							Physiography	Slope Compo	nent (Cir	cle one)	Crest Backslope	Summit Sh Footslop	
% Weight							ું હું	Kind of Slope	(Circle or	ne)	Straight	Concave Co	onvex
91.5							. A	Microrelief:				N/A	
% Cover				050.0	04.5	04.0		Depth of Water				N/A	
		Totale		358.9	91.5	81.0	1 1	Drainage Clas		as Dand	In a v	N/A	_
(8)	D	Totals resent Utilization	0	392.2 % of	100.0 ORHY,KI	83.6	(Key Species)	Frequency of Duration of Flo	ooding or	Ponding	ing.	N/A N/A	
Notes:		esent ounzauon	N/A	70 OI	Orarrina		(Noy openios)	Dalaton of Fi	ooding of	TOTALL	g.	IN/CS	
Treatment	Need	s:					NI/A				198-113-1-113		
							N/A						
Special Co	nside	rations (e.g, critical l	nabitat, r	iparian zone,	etc.):			N/A					
Associated	Sites	3:						N/A				3	

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Site Name				22A				MLRA	29	Write-up No.	N/A
Ranch or S	oil-23	2 No.		N/A							
Photo No.				N/A							
Soil Taxon		Jnit		N/A					N	_	
ield Office				N/A					$\overline{}$	_	
ocation:		т	Lati	R				W		E	Location in section
	Long:	BLOMQUIST, HES	Lat:	STUCKO DE	CAN	Doto	lune 7 1000		++++	_	
Jonservau	onist	BLUNQUIST, HES	SING, NO)203NO, RE	EGAN	. Date:	June 7, 1999		S		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	Evaluate each	indicator in re		x for the site (circ	cle those that apply)
Plant	Phenology	Symbol or	<u>-</u>	C H	% Present by Weight	% Climax by Weight	· vo	% Climax	Species		T
Group %	0	Common Plant	Cover	Weight (lb/ac)	Vei	Vei iii	as	Vegetation	Diversity	Production %	Condition rating
Comp.	he	Name	%	≥ ≥	8 6	% 6	S C	100-76	0	100-76	Excellent (PNC)
ż		HIJA		184.1	34.4	15.0	Conditions Class	75-51	1-2	75-51	Good (Late Seral)
is is		ACHY		28.6	5.3	5.3	ng di	50-26	3-4	50-26	Fair (Mid Seral)
an an		SIHY		2.3	0.4	0.4	S	25-0	>4	25-0	Poor (Early Seral)
e P		BRTE		4.1	0.8		Final Condition		LATE-SERAL		1
Grasses & Grass- Like Plants								Plant Vigor			Apparent Trend
Ö								Decreasers		+1	(Circle One)
% Weight								Age Class			
40.9							ors	Distribution			Improving
% Cover							cat	Decreasers		0	
				219.1	40.9	20.7	ng.	Increaser/			
		SPAM		7.3	1.4	1.3	Trend Indicators	Invaders		+1	Declining
[ASLE		112.1	20.9		ē	Soil Erosion			
sq.		CRVI		5.0	0.9	0.9		SOII ETOSION		+1	
Forbs		MACA		Т				Total			(Not Apparent)
		CHST		Т				Total		+3	
		ARABIS		1.9	0.4	1.1		Use History:		N/A	
% Weight								Kind of Anima	ıl:	N/A	
23.6							Site History	Season of Use	e:	Year long	
% Cover								Wildlife Speci	es:	Horses, ante	lope, rabbits
				126.4	23.6	3.3	ite	Burning Histor	ry:	N/A	
		ATCO		128.1	23.9	23.9	ω,	Logging Histo	ry:	N/A	
sqr		ARSP		20.9	3.9	3.9		Cropping Hist		N/A	
Trees & Shrubs		SAVEB		21.4	4.0	4.0		Elevation	(m)	Slope	Azimuth (°)
∞ [KOAMV		18.3	3.4			1782		4-5	113
es		CHVI		1.2	0.2		_	Major or Com	ponent Landfo	m	
							Physiography	Slope Compo	nent (Circle o	ne) Crest Backslope	Summit Shoulder Footslope
% Weight							/sio	Kind of Slope	(Circle one)	Straight	Concave Convex
35.5							Æ	Microrelief:			N/A
% Cover	-			100.0	25.5	24.0		Depth of Water			N/A
				190.0	35.5	31.8		Drainage Clas			N/A
(0)		Totals		535.5	100.0	55.8	(1/- 0 / -)	Frequency of			N/A
(8)	Pr	esent Utilization	-	% of	N/A		(Key Species)	Duration of FR	ooding or Pon	aing:	N/A
Notes: NO GRAZ	ING E	EVIDENCE									
Treatment	Need	s:					N/A				
Special Co	nside	rations (e.g, critical h	nabitat, rip	oarian zone,	etc.):			N/A			
Associated	Sites	s:						N/A			

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					range		itory works	icci					
Site Name				42B				MLRA	29		Write-up No.	N/A	
Ranch or S	oil-23	2 No.		N/A									
Photo No.				N/A									
Soil Taxon		Jnit		N/A					N	<u> </u>	,		
Field Office				N/A					\vdash	_	-		
Location:		т	Lat:	R				W	\vdash	_	E	Location i	n section
	Long: onist	M.MAIN; J.NORMAI		USKO		Date:	June 6, 1999			土	1		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	First state and	. I adia akau la ua	S		Ab 14 / - 1	I - 11 11 -	
Plant		Cumbalar			tt		Evaluate each	indicator in re	elation to d	climax to	or the site (circ	le those tha	it apply)
Group %	Phenology	Symbol or Common Plant	% Cover	Weight (lb/ac)	% Present by Weight	% Climax by Weight	888	% Climax	Spec		Production %	Conditio	rating
Comp.	her	Name	S	Š €	F ×	ਹੋ≶	Conditions Class Indicators	Vegetation	Dive	,			
	۵	A CLIN	%			% 40	iditions Cla	100-76	0		100-76	Excellen	
Sa Sa		ACHY BRTE			1.0 T	1.0	nd iti	75-51 50-26	1-	-	75-51 50-26	Good (La	
and G		HIJA			1.0	1.0	, S ,	25-0	3-		25-0	Fair (Mic Poor (Ear	
asses & Gra Like Plants		TIIJA			1.0	1.0	Final Condition	And in case of the last of the	MID-SEF	_	25-0	Poor (Ear	ly Serai)
l ss							i inai conditor	Plant Vigor	WIID OLI	0.10		Apparen	t Trend
Grasses & Grass- Like Plants								Decreasers		-1		(Circle	
% Weight							1	Age Class				1	
2.0							ors	Distribution				Impro	ving
% Cover							cat	Decreasers		-2			
				0.0	2.0	2.0	Trend Indicators	Increaser/					
		SAIB			25.0		P	Invaders		-2		(Decli	ning)
		MACA			5.0		필	Soil Erosion					_
Forbs		LEPIDIUM			3.0			SOII ETOSION		3			
rg.		ASLE			2.0			Total		-2		Not Ap	parent
					-			Use History:			HEAVY		
% Weight	-							Kind of Anima	al:		HORSES		
35.0							Site History	Season of Us			Year long		
% Cover] ≝	Wildlife Speci	es:		ANTELOPE;	RABBITS	
				0.0	35.0	0.0	jie jie	Burning Histo	rv:		N/A		
		KRLA			60.0	30.0] "	Logging Histo	ry:		N/A		
sqn [ATCO			T			Cropping Hist	ory:		N/A		
Trees & Shrubs		ARSP			3.0	3.0		Elevation	(m)		Slope	Azimu	th (°)
-05								1619			0-1	12	1
ses							≥	Major or Com	ponent La	andform			
Ĕ							Physiography	Slope Compo	onent (Circ	cle one)	Crest Backslope	Summit Foots	
% Weight							/sio	Kind of Slope	(Circle or	ne)	Straight	Concave	Convex
63.0							Æ	Microrelief:				N/A	
% Cover								Depth of Water				N/A	_
	_			0.0	63.0	33.0		Drainage Clas				N/A	
(0)		Totals		500.0	100.0	35.0	// C ! .	Frequency of				N/A	
(8)	Pr	esent Utilization		% of	N/A		(Key Species)	Duration of FI	ooding or	Pondin	g:	N/A	
Notes:			N/A										
Treatment	Need	s.	-										
rreaument	Need	5.					N/A						
Special Co	onside	rations (e.g, critical h	nabitat, r	iparian zone,	etc.):			N/A					
Associated	Sites	S:						N/A					
	-												

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					Range	Inven	tory Works	heet				
Site Name				42C				MLRA	29		Write-up No.	N/A
Ranch or S	Soil-23	2 No.		N/A								
Photo No.		1 1		N/A								
Soil Taxon		Jnit		N/A				. ,	N		1	
Field Office				N/A					\vdash	-		
_ocation:	Sec Long:	T	Lat:	F				w	\vdash	_	E	Location in section
		M.MAIN;J.NORMA		JSKO		Date:	June 6, 1999		S			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	Evaluate each	indicator in re			or the site (circ	le those that apply)
Plant Group % Comp.	Phenology	Symbol or Common Plant Name	Cover	Weight (lb/ac)	% Present by Weight	% Climax by Weight	Conditions Class Indicators	% Climax Vegetation	Spec	sity	Production %	Condition rating
'n	<u>п</u>	A CL DY	%	0.5			ons	100-76	0		100-76	Excellent (PNC)
as a		ACHY	-	9.5	1.2	1.2	ig ig	75-51	1-:		75-51	Good (Late Seral)
D TE	-						ĕ ,	50-26 25-0	>4		50-26 25-0	(Fair (Mid Seral)
8 8 8 B	-						Final Condition		MID-SER		25-0	Poor (Early Seral)
sse			_				Final Condition		MID-SER	AL		Apparent Trend
Grasses & Grass- Like Plants								Plant Vigor Decreasers		0		(Circle One)
% weight	-		-		-		و	Age Class				Improving
% Cover			_		-		Trend Indicators	Distribution				Improving
76 COVE				9.5	1.2	1.2	di Gi	Decreasers		1		
		MACA		6.4	0.8	0.8	듶	Increaser/		-1		Declining
		SAIB	_	T	0.0	0.0	Ē	Invaders		-1		Deciming
ς.		SAID			-		F	Soil Erosion		0		
Forbs								Total	***************************************	0		Not Apparent
								Use History:			N/A	
% Weight								Kind of Anima	ıl:		N/A	
0.8							Site History	Season of Use			Year long	
% Cover							\ ₹	Wildlife Specie			Horses, antel	ope, rabbits
				6.4	0.8	8.0	ite.	Burning Histor			N/A	
		KRLA		765.8	97.3	30.0	o,	Logging Histor			N/A	
Trees & Shrubs		CACTUS		5.2	0.7			Cropping Histo			N/A	
냹								Elevation	(m)		Slope	Azimuth (°)
∞								1657			0-1	265
ses							>	Major or Comp	ponent La	ndform		
F							Physiography	Slope Compo	nent (Circ	de one)	Crest Backslope	Summit Shoulder Footslope
% Weight							/sio	Kind of Slope	(Circle on	ie)	Straight	Concave Convex
98.0							Æ	Microrelief:				N/A
% Cover								Depth of Water				N/A
				771.0	98.0	30.0		Drainage Clas				N/A
		Totals		786.9	100.0	32.0	L	Frequency of		_		N/A
(8)	Pr	esent Utilization		% of	N/A		(Key Species)	Duration of Flo	ooding or	Ponding	J:	N/A
Notes:			N/A									
Treatment	Need	s:					N/A					
Special Co	nside	rations (e.g, critical h	nabitat, rip	parian zone,	etc.):			N/A				
Associated	Sites	s:						N/A				

						rinai	Report				
NV-ECS-1 4/88 (Rev)										U.S Department o	
					Range	inven	tory Works	heet			
Site Name				42D				MLRA	29	Write-up No.	N/A
Ranch or S	Soil-23	32 No.		N/A							
Photo No.				N/A							
Soil Taxon		Unit		N/A				. ,	N	7	
Field Office		T		N/A R						-	
Location:	Long:		Lat:					W	+++	E	Location in section
	~	M.MAIN;J.NORMA		USKO		Date:	June 6, 1999	. 1	S	1	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	Evaluate each	indicator in re		or the site (circ	le those that apply)
Plant Group %	Phenology	Symbol or Common Plant	Cover	Weight (lb/ac)	% Present by Weight	Climax Weight	Conditions Class Indicators	% Climax Vegetation	Species Diversity	Production %	Condition rating
Comp.	F.	Name	%	> -	p %	% (a	nditions Cla	100-76	0	100-76	Excellent (PNC)
SS-		ACHY		4.1	0.6	0.6	dica	75-51	(1-2)	75-51	Good (Late Seral)
Gra rts		BRTE					P = 6	50-26	3-4	50-26	(Fair (Mid Seral)
₽ œ								25-0	>4	25-0	Poor (Early Seral)
Grasses & Grass Like Plants							Final Condition		MID-SERAL		
iras Li					-			Plant Vigor	C		Apparent Trend (Circle One)
% Weight					-		1	Decreasers			(Circle Offe)
0.6					_		و	Age Class Distribution			Improving
% Cover							ato	Decreasers		1	Improving
				4.1	0.6	0.6	į	Increaser/			
		SPAM		9.8	1.4	1.4	ğ	Invaders	-	1	Declining
		SAIB		24.7	3.5		Trend Indicators	Soil Erosion			
Forbs		ERMA		T				Soli Elosion	2		
<u>R</u>		CRYPTANTHA		0.5	0.1	0.1		Total	C	í	Not Apparent
								Use History:		HEAVY	
% Weight								Kind of Anima	ıl:	HORSES	
4.9							Site History	Season of Use		Year long	
% Cover				00	10		宝	Wildlife Speci		ANTELOPE;F	RABBITS
		1/51		35.0	4.9	1.5	Site	Burning Histor		N/A	
S	_	KRLA		672.3	94.5	35.0	-	Logging Histo		N/A N/A	
Trees & Shrubs					-			Cropping Hist Elevation		Slope	Azimuth (°)
Ś							1	1612		0-1	112
80							1		ponent Landform	Accessed to the second	112
J. Lee							Physiography			Crest	Summit Shoulder
							gra	Slope Compo	nent (Circle one) Backslope	Footslope
% Weight							is	Kind of Slope	(Circle one)	Straight	Concave Convex
94.5							- E	Microrelief:			N/A
% Cover				070.0	0.5	25.0		Depth of Water			N/A
				672.3	94.5	35.0	-	Drainage Clas		1	N/A
(8)		Totals	30	711.4 % of	100.0 ACHY	37.1	(Koy Species)		Flooding or Ponding or Ponding		N/A N/A
(8)	Р	resent Utilization	30	% of	AUTY		(ney opecies)	Duration of Fi	ooding or Pondir	ıy.	IN/A
Notes:			N/A								

N/A

N/A

N/A

Treatment Needs:

Associated Sites:

Special Considerations (e.g, critical habitat, riparian zone, etc.):

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					Range	Inven	tory Works	heet			
Site Name				42E				MLRA	29	Write-up No.	N/A
Ranch or S	oil-23	32 No.		N/A				_			
Photo No.				N/A				•			
Soil Taxon	omic	Unit		N/A					N	_	
Field Office	9			N/A]	
_ocation:	Sec	T		R				w] _E	Location in section
	Long: onist	M.MAIN;J.NORMAI	Lat: N;S.KOZ	JSKO		Date:	June 4, 1999		S]	Location in section
(1)	(2)	(3)	(4)	(5)	(6)	(7)	Evaluate each	n indicator in relation		or the site (circ	e those that apply)
Plant Group % Comp.	Phenology	Symbol or Common Plant Name	% Cover	Weight (Ib/ac)	% Present by Weight	% Climax by Weight	Conditions Class Indicators	% Climax Vegetation	Species Diversity	Production %	Condition rating
Ġ	п.	SIHY	0		1.0	1.0	cat	100-76 75-51	0 >	75-51	Excellent (PNC)
s as	-	BRTE			T.0	1.0	nditi	50-26	1-2		Good (Late Seral)
ant		ACHY			1.0	1.0	ğ – ,	25-0	3-4 >4	50-26 25-0	(Fair (Mid Seral)
S 8		HIJA	-		T.0	1.0	Final Condition		-Seral	25-0	Poor (Early Seral)
sse		HIJA			-		Final Condition	Plant Vigor	-Serai		Apparent Trend
Grasses & Grass- Like Plants								Decreasers	1		(Circle One)
% Weight							φ	Age Class			
2.0							Trend Indicators	Distribution			Improving
% Cover					0.0		ig ig	Decreasers	0		
		05444			2.0	2.0	Ĕ	Increaser/			
		SPAM			1.0	1.0	E P	Invaders	1		Declining
<i>ω</i>		DEPI			1.0	1.0	Ĕ	Soil Erosion	_		
Forbs		UNK FORB			1.0	1.0		Total	5		Not Apparent
								Use History:		N/A	
% Weight							>	Kind of Animal:		HORSES	
3.0							Site History	Season of Use:		Year long	
% Cover							堂	Wildlife Species:		ANTELOPES	;RABBITS
					3.0	3.0	jite.	Burning History:		N/A	
"		KRLA			90.0	35.0	. "	Logging History:		N/A	
Trees & Shrubs		CHVI			T			Cropping History:		N/A	
Shi		ARSP			T			Elevation (m)		Slope	Azimuth (°)
త		ATCA			3.0	3.0		1696		2-3	315
ee ee		ARTRW			2.0	2.0	>	Major or Compone	ent Landform		
	_						Physiography	Slope Componen		Crest Backslope	Summit Shoulder Footslope
% Weight							Sio	Kind of Slope (Cir.	cle one)	Straight	Concave Convex
95.0							Æ	Microrelief:			N/A
% Cover							_	Depth of Watertab	ole:		N/A
					95.0	40.0		Drainage Class:			N/A
		Totals		700.0	100.0	45.0		Frequency of Floo			N/A
(8)	Pi	resent Utilization		% of	N/A		(Key Species)	Duration of Floodi	ng or Pondin	g:	N/A
Notes: APPROXII	MATE	LY 100 YARDS EAS	T OF OC	ULAR ESTI	MATE 06D) -					W.
Treatment	Need	s:	×				N/A				
Special Co	nside	rations (e.g, critical h	abitat, rij	parian zone,	etc.):			N/A			
Associated	Sites	3:						N/A			

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					Range	Inven	tory Worksl	heet			
Site Name				46A				MLRA	29	Write-up No.	N/A
Ranch or S	Soil-23	2 No.		N/A						The second of the second	
Photo No.				N/A				•			
Soil Taxon	omic (Jnit		N/A				•	N		
Field Office	е	No.		N/A						7	
Location:	Sec	Т		R						7_	T
	Long:		Lat	-				W		E	Location in section
		S.KOZUSKO;K.BL	OMQUIS	ST;M.HESSIN	IG	Date:	June 7, 1999	. [S]	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	Evaluate each	n indicator in rel		for the site (circ	le those that apply)
Plant	Phenology	Symbol or	'n	Ħ n	% Present by Weight	% Climax by Weight		0 Oli I	Caralas		
Group %	2	Common Plant	Cover	Weight (lb/ac)	Vei	e ii	ass	% Climax	Species	Production %	Condition rating
Comp.	he	Name	%	≥€	0 ×	0 >	Conditions Class Indicators	Vegetation 100.76	Diversity	100-76	Fyradiant (DNO)
<i>(</i> 0	α_	ACUN	%	424.0	7.3	% <u>0</u>	ons	100-76	0		Excellent (PNC)
ass		ACHY		121.8		7.3 8.0	ig ig	75-51 50-26	<u> 1-2</u>	75-51	(Good (Late Sera))
Q #		HIJA		219.8	13.1		6 -		3-4	50-26	Fair (Mid Seral)
S 50 C		SPCR		6.4	0.4	0.4		25-0	>4	25-0	Poor (Early Seral)
Grasses & Grass- Like Plants		BRTE		330.0	19.7		Final Condition	_	LATE-SERAL		
ras		SIHY		0.5	0.0			Plant Vigor			Apparent Trend
		STCO		14.8	0.9	0.9		Decreasers		1	(Circle One)
% Weight								Age Class			
41.3							Trend Indicators	Distribution			Improving
% Cover							<u>i</u>	Decreasers)	
				693.3	41.3	16.6	<u> </u>	Increaser/			
		SPAM		1.9	0.1	0.1	2	Invaders	-	1	Declining
		MACA		2.9	0.2	0.2	ē	Cail Essaian			
Forbs		SAIB		Т			_	Soil Erosion		2	
For								Total		2	Not Apparent
					1			Use History:		N/A	
% Weight					1			Kind of Anima		N/A	
0.3							Site History	Season of Use		N/A	
% Cover				1	+		ist i	Wildlife Specie		N/A	
/0 GGVC1				4.8	0.3	0.3	<u>e</u>	Burning Histor		N/A	
	-	CHVI		79.9	4.8	3.0	Ϊ́Σ	Logging Histor		N/A	
S	_	KRLA		25.0	1.5	1.5			Andrew Control of the	N/A	
Trees & Shrubs		ATCA		876.5	52.2	30.0		Cropping Histo	Automotive and the first	Maria Caralla	A minor (4h /2)
ις.	-	ATCA		670.5	32.2	30.0		Elevation	(m)	Slope 5	Azimuth (°)
•ర				-				1777	onent Landforr		151
e e				 			_≥	iviajor or Comp	onent Landion	Crest	Summit Shoulder
F				+	-		de	Slope Compo	nent (Circle one	11	
0/ \\/-:	-			-	-		Physiography	Kind of Class	(Cirolo s==)	Backslope Stroight	Footslope Conserve Convey
% Weight				+	-		iysi	Kind of Slope	Circle one)	Straight	Concave Convex
58.4	-			+	-		₹ 5	Microrelief:	deble		N/A
% Cover	<u> </u>			094.4	E0 4	24 E		Depth of Wate			N/A N/A
				981.4	58.4	34.5		Drainage Clas		H-ray	
		Totals		1679.4	100.0	51.4	L	The state of the s	looding or Pon		N/A
(8)	Pr	resent Utilization	30	% of	ACHY		(Key Species)	Duration of Flo	oding or Pondi	ng:	N/A
Notes:	t Need	s:	N/A								
							N/A				
Special Co	onside	rations (e.g, critical	nabitat,	riparian zone,	etc.):			N/A			
Associate	d Sites	31						N/A			

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					Range	ınven	tory Worksi	neet		
Site Name				46B				MLRA 2	9 Write-up No.	N/A
Ranch or S	oil-23	2 No.		N/A						
Photo No.				N/A						
Soil Taxon		Jnit		N/A					N	
Field Office				N/A		-wittin		. -	1	
_ocation:		т,	1	R				w	E	Location in section
	Long: onist	M.MAIN;J.NORMA	Lat: N;S.KOZ	USKO		Date:	June 6, 1999		S	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	Evaluate each	indicator in relation t	to climax for the site (circ	ele those that apply)
Plant Group % Comp.	Phenology	Symbol or Common Plant Name	Cover	Weight (lb/ac)	% Present by Weight	% Climax by Weight	Conditions Class Indicators	Vegetation Di	pecies versity Production %	9
Ġ	Δ.	ACHY	%	115.0	17.3	17.3	ons	100-76 75-51	0 100-76 1-2 75-51	(Good (Late Sera))
s as		HIJA		21.5	3.2	3.2	ig ig	50-26	3-4 50-26	Fair (Mid Seral)
8 G		111071		2110	0.2	0.2	Š	25-0	>4 25-0	Poor (Early Seral)
e P							Final Condition		SERAL	1
Grasses & Grass- Like Plants								Plant Vigor		Apparent Trend
Ö								Decreasers	2	(Circle One)
% Weight					_		yo .	Age Class		
20.5 % Cover					-		ator	Distribution		(Improving)
% Cover				136.5	20.5	20.5	dici	Decreasers	2	
		ASLE		32.0	4.8	2.0	듣	Increaser/ Invaders	1	Declining
		SPAM		0.5	0.1	0.1	Trend Indicators		***************************************	1
Forbs		ERMA		Т				Soil Erosion	3	
		ARABIS		6.1	0.9	1.0		Total	8	Not Apparent
								Use History:	LIGHT	
% Weight) _{>}	Kind of Animal:	HORSES	
5.8							stor	Season of Use:	YEARLONG	
% Cover							Site History	Wildlife Species:	ANTELOPE,	RABBITS
		4704		38.5	5.8	3.1	Site	Burning History:	N/A	
S		ATCA KRLA		127.3 274.1	19.2 41.3	19.2		Logging History: Cropping History:	N/A N/A	
걸		ARSP		59.8	9.0	8.0		Elevation (m)	Slope	Azimuth (°)
Trees & Shrubs		GRSP		28.0	4.2	4.2	1	1701	1	117
es							1	Major or Component	Landform	
							Physiography	Slope Component (0	Circle one) Crest Backslope	Summit Shoulder Footslope
% Weight							/sio	Kind of Slope (Circle	one) Straight	Concave Convex
73.6							. E	Microrelief:		N/A
% Cover				489.2	73.6	51.4		Depth of Watertable:		N/A N/A
		Totals		664.2	100.0	75.0		Drainage Class: Frequency of Flooding	og or Donding:	N/A
(8)	D.	esent Utilization	30	% of	ACHY	75.0	(Key Species)	Duration of Flooding		N/A
Notes:			N/A	, ,			(ris) species)			
Treatment	Need	s:					N/A			
Special Co	nside	rations (e.g, critical	habitat, r	iparian zone,	etc.):			N/A		
Associated	Sites	3:						N/A		
	-									

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					range		tory works	1001			
Site Name				46D				MLRA	29	Write-up No.	N/A
Ranch or S	oil-23	2 No.		N/A						7	Color
Photo No.				N/A							
Soil Taxon		Jnit		N/A				_	N		
Field Office				N/A							
Location:		Т		- R				w -		 	Location in section
Conconvoti	Long:	V.WINKEL;K.BLON	Lat:			Date:	June 4, 1999	-	++-		
Conservau	OHIST	V.WIINKEL,K.BLO	VIQUIST	,J.GELLER		Date.	Julie 4, 1999		S		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	Evaluate each	indicator in rela		ax for the site (circ	le those that apply)
Plant	go	Symbol or	/er	g gr	ser	nax igh	90	% Climax	Species		
Group %	Phenology	Common Plant	Cover	Weight (lb/ac)	% Present by Weight	% Climax by Weight	Conditions Class Indicators	Vegetation	Diversity	teroduction %	Condition rating
Comp.	Ę	Name	%	> -	% A	%	iditions Cla	100-76	0	100-76	Excellent (PNC)
188		ACHY		1.3	0.1	0.1	dici	75-51	1-2	75-51	Good (Late Seral)
Grasses & Grass- Like Plants							PG 드	50-26	3-4	50-26	(Fair (Mid Seral)
∞ 6								25-0	>4	25-0	Poor (Early Seral)
se se							Final Condition		IID-SERAL		
ras								Plant Vigor			Apparent Trend
								Decreasers		-1	(Circle One)
% Weight 0.1				-			હ	Age Class			Improving
% Cover	_			 			ato	Distribution		-1	improving
78 COVE				1.3	0.1	0.1	dic	Decreasers		!	
		HAGL		T			늘	Increaser/ Invaders		-1	Declining)
		SPAM		169.1	9.6	3.0	Trend Indicators				
SO		SAIB		900.7	51.3		-	Soil Erosion		2	
Forbs								Total		-1	Not Apparent
								Use History:		N/A	
% Weight				1			_	Kind of Animal:		Horses	
60.9							Site History	Season of Use:		Year Long	
% Cover							≝	Wildlife Species	s:	Antelope, Ra	bbits
				1069.8	60.9	3.0	Site	Burning History	:	N/A	
ω.		ATCA		520.1	29.6	29.6	0,	Logging History	<i>r</i> ;	N/A	
ĝ		KRLA		164.1	9.3	9.3		Cropping Histor	The second second	N/A	
Trees & Shrubs								Elevation (m)	Slope	Azimuth (°)
وم در				<u> </u>			1	1599 Major or Compo	anant Land	0-1 form	106
ee							È	Major or Compo	oneni Land	Crest	Summit Shoulder
-				1			ge	Slope Compon	ent (Circle	one) Backslope	Footslope
% Weight							iog	Kind of Slope (Circle one)	Straight	Concave Convex
39.0							Physiography	Microrelief:	2 515 5176)	oud.gm	N/A
% Cover							۱ ۵	Depth of Water	table:		N/A
				684.2	39.0	38.9		Drainage Class			N/A
		Totals		1755.3	100.0	42.0		Frequency of F	looding or F	Ponding:	N/A
(8)	Pr	esent Utilization	30	% of	ACHY		(Key Species)	Duration of Floo	oding or Po	nding:	N/A
Notes:			N/A			(Sec.)					
Treatment	Need	s:					N/A				
Special Co	nside	rations (e.g, critical	habitat, i	riparian zone,	etc.):			N/A			
Associated	Sites	S		£				N/A	,		e e e e e e e e e e e e e e e e e e e

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					Range	Inven	tory Worksl	neet			
Site Name				46E				MLRA	29	Write-up No.	N/A
Ranch or S	oil-23	2 No.		N/A							
Photo No.				N/A							
Soil Taxon	omic l	Jnit		N/A					N		
Field Office	9			N/A							
Location:	Sec	T		R				w		E	Location in section
Conservati	Long: onist	M.MAIN; J.NORMAI	Lat: N;S.KOZ			Date:	June 4, 1999	" -			Location in occion
									S	•	
(1)	(2) E	(3)	(4)	(5)	(6) t t	(7)		indicator in relation	to climax fo	or the site (circ	le those that apply)
Plant Group %	Phenology	Symbol or Common Plant	Cover	Weight (lb/ac)	% Present by Weight	% Climax by Weight	Conditions Class Indicators		pecies iversity	Production %	Condition rating
Comp.	ah.	Name	%	5=	% P	% 6	S C tors	100-76	0 (100-76	Excellent (PNC)
ý		ACHY	0-	53.6	8.5	8.5	ica	75-51	1-2	75-51	(Good (Late Sera))
is as	-					0.0	를 열	50-26	3-4	50-26	Fair (Mid Seral)
a la							Ö	25-0	>4	25-0	Poor (Early Seral)
Sold							Final Condition		-SERAL	200	Troor (Early Ocial)
asses & Gra Like Plants							T MICH GONDING	Plant Vigor	021012		Apparent Trend
້ອ								Decreasers	-1		(Circle One)
% Weight					-		y)	Age Class			
8.5					_		Trend Indicators	Distribution			Improving
% Cover							<u>S</u>	Decreasers -1			
				53.6	8.5	8.5	Ĕ	Increaser/			
		SAIB		12.4	2.0		P	Invaders	-1		Declining
_		ERMA		Т			E T	Soil Erosion			
Forbs		SPAM		3.6	0.6	0.6			2		
_E		ASLE		Т				Total			Not Apparent
		MACA		10.7	1.7	2.0		Total	-1		
		CRYPTANTHA		Т				Use History:		N/A	
% Weight							_	Kind of Animal:		N/A	
4.2							.to	Season of Use:		N/A	
% Cover							Site History	Wildlife Species:		N/A	
				26.7	4.2	2.6	ig.	Burning History:		N/A	
		ATCA		397.8	62.8	30.0	σ	Logging History:		N/A	
sqr		KRLA		148.0	23.4	20.0		Cropping History:		N/A	
ř.		ARSP		5.8	0.9	0.9		Elevation (m)		Slope	Azimuth (°)
رن مح		GUSA		1.2	0.2			1602		0-1	69
es							_	Major or Componen	t Landform		
Trees & Shrubs							Physiography	Slope Component (Circle one)	Crest Backslope	Summit Shoulder Footslope
% Weight							jog i	Kind of Slope (Circle	e one)	Straight	Concave Convex
87.3							ڇُ	Microrelief:			N/A
% Cover							<u> </u>	Depth of Watertable	:		N/A
				552.9	87.3	50.9		Drainage Class:			N/A
		Totals		633.1	100.0	62.0		Frequency of Floodi	ng or Pond	ing:	N/A
(8)	Pr	esent Utilization	30	% of	ACHY		(Key Species)	Duration of Flooding			N/A
Notes:			N/A								
Treatment	Need	s:					N/A				
Special Co	nside	rations (e.g, critical I	nabitat, i	riparian zone,	etc.):			N/A			П
Associated	Sites	S:			Ser.			N/A			

						rmai	Keport				
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4,00 (1,01)					Range	Inven	tory Worksi	neet			
					range		nory works	1001			
Site Name				46F			10. 5W	MLRA	29	Write-up No.	N/A
Ranch or S	oil-23	2 No.		N/A							
Photo No. Soil Taxon	omio I	Init		N/A N/A					N		
Field Office		JIIIL		N/A					$\overline{}$	_	
Location:		T		R							on
	Long:		Lat:			0		W		- E	Location in section
		K.BLOMQUIST;V.\		J.GELLER		Date:	June 6, 1999		s		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	Evaluate each	indicator in re		for the site (circl	le those that apply)
Plant Group %	Phenology	Symbol or Common Plant	Cover	Weight (lb/ac)	% Present by Weight	Climax / Weight	Conditions Class Indicators	% Climax Vegetation	Species Diversity	Production %	Condition rating
Comp.	Phe	Name	%	≤ =	% F	% o	iditions Ck Indicators	100-76	0	100-76	Excellent (PNC)
Ś		ACHY		23.6	9.1	9.1	fica	75-51	1-2	75-51	Good (Late Seral)
3ra Its		HIJA		36.8	14.1	8.0	필요 .	50-26	3-4	50-26	(Fair (Mid Seral)
& C							රී	25-0	>4	25-0	Poor (Early Seral)
Grasses & Grass Like Plants							Final Condition	Rating	MID-SERAL		
Ei gs								Plant Vigor			Apparent Trend
								Decreasers		-1	(Circle One)
% Weight							90	Age Class			
23.2					-		Trend Indicators	Distribution		. (7-	Improving
% Cover			_	60.4	23.2	17.1	- ij	Decreasers		-1	
		MACA		0.4	0.1	0.1	두	Increaser/			Declining
		CYGL		T T	0.1	0.1	. Gi	Invaders		-1	Deciming
S		CTGL		•			-	Soil Erosion		2	
Forbs							1		2		Not Apparent
-							1	Total		-1	
								Use History:		N/A	
% Weight							1 >	Kind of Anima	ıl:	Horses	
0.1] j	Season of Us	e:	Year Long	
% Cover							<u> </u>	Wildlife Speci	es:	Antelope, Rat	obits
				0.4	0.1	0.1	Site History	Burning Histo		N/A	
v		CHVI		141.6	54.3	7.0		Logging Histo		N/A	
5 5		KRLA		46.6	17.9	17.9		Cropping Hist	NAME AND ADDRESS OF TAXABLE PARTY.	N/A	
S.		TEGL		11.9	4.5	3.0	1	Elevation		Slope 0-1	Azimuth (°)
∾ర ഗ						-	1	Major or Com	ponent Landfor		281
Trees & Shrubs					-	 	<u>\$</u>			Crost	Summit Shoulder
-					1		de de	Slope Compo	nent (Circle on	e) Backslope	Footslope
% Weight							1 .jg	Kind of Slope	(Circle one)	Straight	Concave Convex
76.7							Physiography	Microrelief:			N/A
% Cover] "	Depth of Water			N/A
				200.0	76.7	27.9		Drainage Clas			N/A
		Totals		260.8	100.0	45.1			Flooding or Por		N/A
(8)	Pi	resent Utilization	30	% of	ACHY		(Key Species)	Duration of FI	ooding or Pond	ing:	N/A
Notes:			****								
I			N/A								

N/A

N/A N/A

Treatment Needs:

Associated Sites:

Special Considerations (e.g, critical habitat, riparian zone, etc.):

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Range Inventory Worksheet

					rung		tory works				
Site Name				49A				MLRA	29	Write-up No.	N/A
Ranch or S	oil-23	2 No.		N/A						*:	
Photo No.				N/A							
Soil Taxon		Jnit		N/A					N		
Field Office				N/A				.			
Location:		T.	1 - 0	_ R				w 		E	Location in section
	Long: onist	S.PETERSEN;V.W	Lat: INKEL;			Date:	June 7, 1999				
(1)	(2)	(3)	(4)	(5)	(6)	(7)	Fuelvete sock		S to alimeu fe	u tha aita /aisa	le those that and A
Plant					EE		Evaluate each	indicator in relation	to climax to	r the site (circ	ie those that apply)
Group %	Phenology	Symbol or Common Plant	Cover	Weight (lb/ac)	% Present by Weight	Climax Weight	ISS	% Climax S	Species	Production %	Condition rating
Comp.	neu	Name	රි	e We	₽ ×	ੋਂ ≥	Conditions Class Indicators		Diversity		
	۵	01111	%			86	nditions Ck	100-76	0 0	100-76	Excellent (PNC)
sas:		SIHY		7.3	1.2	1.2	真真	75-51	1-2	75-51	Good (Late Seral)
ant Gr		ACHY		18.79	3.0	3.0	Š-	50-26 25-0	3-4	50-26 25-0	(Fair (Mid Seral)
S S	-						Final Condition		>4 >	25-0	Poor (Early Seral)
Grasses & Grass Like Plants				-			r iriai Condition	Plant Vigor	OLIVAL		Apparent Trend
Gra	_							Decreasers	1		(Circle One)
% Weight								Age Class			(2
4.2							ors	Distribution			Improving
% Cover							cat	Decreasers	1		
				26.09	4.2	4.2	ngi	Increaser/			
		MACA		T			Trend Indicators	Invaders	-1		Declining
		ERIGERON		T			ē	Soil Erosion			
Forbs								SOII ETOSIOTI	2		
<u>R</u>							-	Total	3		Not Apparent
								Use History:		N/A	
% Weight							>	Kind of Animal:		Horses	
							Site History	Season of Use:		Year Long	
% Cover							\ \frac{\frac}}}}}{\frac}}}}}}{\frac}}}}}}}{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac}\f{\f{\f{\f{\f{\f{\fir}}}}}}}}}}}{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\f{\f{	Wildlife Species:		Antelope, Rat	obits
							Site	Burning History:		N/A	
"		CHVI		105.5	16.8	2.0	0,	Logging History:		N/A	
ğ		ARTRW		457	72.8	30.0		Cropping History:		N/A	
Shi		GRSP		28.6	4.6	2.5		Elevation (m)		Slope	Azimuth (°)
Trees & Shrubs		ATCA		10.4	1.7	0.9		1823	41 46	2-3	191
9				-	_		Ą	Major or Componen	it Landtorm	Croot	Cummit Chaulder
-							da	Slope Component ((Circle one)	Crest Backslope	Summit Shoulder Footslope
% Weight	-						go	Kind of Slope (Circle	e one)	Straight	Concave Convex
95.8							Physiography	Microrelief:	0 0110)	Juagut	N/A
% Cover							<u>a</u>	Depth of Watertable	9:		N/A
70 00.0.				601.5	95.8	35.4		Drainage Class:			N/A
		Totals		627.59	100.0	39.6		Frequency of Floodi	ing or Pondi	ng:	N/A
(8)	Pr	esent Utilization	10	% of	ACHY			Duration of Flooding			N/A
Notes:			N/A								
D					-4- \		N/A	AV/A			
opecial Co	riside	rations (e.g, critical l	iabitat, i	riparian zone,	etC.):			N/A			
Associated	Sites):						N/A			

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						Range	Inven	tory Worksl	neet				
Site Name		K.			59A				MLRA	29		Write-up No.	N/A
Ranch or S	oil-23	2 No.			N/A								
Photo No.					N/A								
Soil Taxon		Jnit			N/A						1		
Field Office					N/A				.			1	
_ocation:		т		-	F	₹			w	\dashv	_	E	Location in section
	Long: onist	M.MAIN;J.NORMAI	Lat N;S.KO	-	(0		Date:	June 6, 1999					
(1)	(2)	(3)	(4)	Π	(5)	(6)	(7)	Evaluate each	indicator in re			or the site (circl	e those that apply)
Plant Group % Comp.	Phenology	Symbol or Common Plant Name	Cover		Weight (lb/ac)	% Present by Weight	% Climax by Weight	SS	% Climax Vegetation	Spe Dive	cies	Production %	Condition rating
	à		%	_			â %	iditions Cla	100-76			100-76	Excellent (PNC)
ass		SIHY		-		T		dici	75-51	1-		75-51	Good (Late Seral)
ठ हा		ACHY		+	Т	T		on C	50-26	3-		50-26	(Fair (Mid Seral)
S & B				+		-			25-0	>-		25-0	Poor (Early Seral)
sse				+		-		Final Condition		MID-SEF	KAL		Annual Treed
Grasses & Grass- Like Plants									Plant Vigor Decreasers		-2		Apparent Trend (Circle One)
% Weight				-		-		yη	Age Class				
0/ 0				+		-		ator	Distribution				Improving
% Cover				╁		0.0	0.0	dic	Decreasers		-2		
	-	HAGL		+		10.0	0.0	듬	Increaser/		-2		Declining
		LEPIDIUM				2.0	2.0	Trend Indicators	Invaders Soil Erosion		-2		Deciming
Forbs		ERMA			Т	T			Soil Elosion		1		
Ē		ARABIS		\vdash	Т	Т			Total		.5		Not Apparent
	-								Use History:			HEAVY	
% Weight									Kind of Anima	ıl:		HORSES	
12.0								Į p	Season of Use			YEARLONG	
% Cover								Site History	Wildlife Speci			ANTELOPE;F	RABBITS
						12.0	2.0	ite	Burning Histor	ry:		N/A	
		ATCO				38.0	38.0	0,	Logging Histo	ry:		N/A	
g .		KOAMV		_		45.0	2.0		Cropping Hist	-		N/A	
Trees & Shrubs		ATCA		-		5.0	2.0		Elevation	(m)		Slope	Azimuth (°)
∞ ం				+		-			1599 Major or Com	nonont l	ndform	0-1	flat
ee lee				+		-		ρ	Major of Com	ponent La	andionni	Crest	Summit Shoulder
-				+		1		Physiography	Slope Compo	nent (Cin	cle one)	Backslope	Footslope
% Weight				T	-			Siog	Kind of Slope	(Circle or	ne)	Straight	Concave Convex
88.0								ķ	Microrelief:				N/A
% Cover								"	Depth of Wate	ertable:			N/A
						88.0	42.0		Drainage Clas	s:			N/A
		Totals			575	100.0	44.0		Frequency of	Flooding	or Pond	ing:	N/A
(8)	Pi	esent Utilization	10	%	of	ACHY		(Key Species)	Duration of Flo	ooding or	Ponding	g:	N/A
Notes:			N/A										
Treatment	Need	s:						N/A					
Special Co	nside	rations (e.g, critical h	nabitat,	ripari	an zone	etc.):			N/A				
Associated	Sites	ı;					nuo illumin ainuveliai		N/A				
				e-len-									

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Range Inventory Worksheet

					Range	illyen	itory works	1001				
Site Name				59B				MLRA	29		Write-up No.	N/A
Ranch or S	oil-23	2 No.		N/A								
Photo No.				N/A								
Soil Taxon		Jnit		N/A					N			
ield Office		7		N/A					\vdash	\dashv		
ocation:		T.	Lot	R				W	++	+	E	Location in section
Conservati	Long: onist	S.PETERSEN;V.W	Lat:_ INKEL;J.(GELLER		Date:	June 4, 1999		S			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	Evaluate each	indicator in re		limax fo	r the site (circ	le those that apply)
Plant Group % Comp.	Phenology	Symbol or Common Plant Name	Cover	Weight (lb/ac)	% Present by Weight	% Climax by Weight	Conditions Class Indicators	% Climax Vegetation	Spec	//1.m(11-1	Production %	Ů
	ā		%		8 &	2 %	iditions Cla	100-76	0		100-76	Excellent (PNC)
sess					-		iğ iği	75-51	1-2	_	75-51	Good (Late Seral)
ant							, 5, ,	50-26 25-0	3-4	_	50-26 25-0	Fair (Mid Seral)
es &					-		Final Condition		EARLY-S		25-0	Foor (Early Serar)
Grasses & Grass- Like Plants							That condition	Plant Vigor Decreasers	LINE! O	-2		Apparent Trend (Circle One)
% Weight								Age Class				,
							tors	Distribution				Improving
% Cover							<u>S</u>	Decreasers		-2		
	144	HAGL			96.0		Trend Indicators	Increaser/ Invaders		-2		Declining
Forbs							Te	Soil Erosion		0		
Fo								Total		-6		Not Apparent
								Use History:		the state of the s	N/A	
% Weight							_ <	Kind of Anima	ıl:		Horses	
96.0							Site History	Season of Use			Year Long	
% Cover							Ī	Wildlife Speci			Antelope, Rat	obits
		1451.4			96.0	1.0	Site	Burning Histor			N/A	
S		KRLA ATCO	_		1.0 3.0	1.0 3.0		Logging Histo			N/A N/A	
Ę	-	AIGO	-		5.0	3.0		Cropping History Elevation			Slope	Azimuth (°)
S							1	1597	(111)	,	0-1	flat
es								Major or Com	ponent Lar	ndform	•	nos
Trees & Shrubs							Physiography	Slope Compo			Crest Backslope	Summit Shoulder Footslope
% Weight							Sio	Kind of Slope	(Circle one	e)	Straight	Concave Convex
4.0							- A	Microrelief:			-	N/A
% Cover					10	1.0		Depth of Water				N/A
		*			4.0	4.0		Drainage Clas		D 11		N/A
(8)		Totals		250 % of	100.0	4.0	(Va. Cassias)	Frequency of				N/A N/A
	Pr	esent Utilization		% of			(Key Species)	Duration of Fi	boding of r	oriding		IVA
Notes:			N/A									
Treatment	Need	S:					N/A					
Special Co	nside	rations (e.g, critical h	nabitat, ric	parian zone.	etc.):			N/A				
Associated								N/A				

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					Kange	HIVEII	tory worksi	ieet			
Site Name				87A				MLRA	29	Write-up No.	N/A
Ranch or S	oil-23	2 No.		N/A						vinto ap rio.	1471
Photo No.				N/A							
Soil Taxon		Jnit		N/A				_	N	-	
Field Office				N/A				.	\perp	4	
Location:		т.		R				w	+++	E	Location in section
	Long: onist	M.HESSING;S.KO	Lat: ZUSKO;	K.BLOMQUIS	Т	Date:	June 8, 1999	. t	S	_	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	Evaluate each	indicator in rela		for the site (circ	le those that apply)
Plant Group %	Phenology	Symbol or Common Plant	Cover	Weight (lb/ac)	% Present by Weight	% Climax by Weight	SS	% Climax Vegetation	Species Diversity	Production %	
Comp.	Ę	Name	%	> -	% py	þý þý	nditions Cla	100-76	0	100-76	Excellent (PNC)
SSE		HIJA		35.1	10.9	8.0	dic	75-51	1-2	75-51	Good (Late Seral)
Gre		ACHY		8.2	2.5	2.5	puo u	50-26	3-4	50-26	(Fair (Mid Seral)
S & G								25-0	>4	25-0	Poor (Early Seral)
Grasses & Grass- Like Plants							Final Condition	Plant Vigor	MID-SERAL		Apparent Trend
Gra								Decreasers		1	(Circle One)
% Weight								Age Class			, , , , , ,
13.4							Trend Indicators	Distribution			Improving
% Cover							20	Decreasers		1	
		,		43.3	13.4	10.5	<u>P</u>	Increaser/			
		ASLE		T			pue	Invaders		1	Declining
_ω		CHST UNK FORB 1		33.9 2.77	10.5	1.0	Ę	Soil Erosion	,		
Forbs		SAIB		T T	0.9	1.0				2	Not Apparent
ıı.		MACA		5.7	1.8	0.5		Total		3	Not Apparent
		EUAL		8.036	2.5	0.5		Use History:		N/A	
% Weight		UNK FORB 2		T	2.0	0.0	_	Kind of Animal	:	Horses	
15.7							to	Season of Use		Year Long	
% Cover							業	Wildlife Specie	s:	Antelope, Ral	bbits
				50.406	15.7	3.0	Site History	Burning Histon		N/A	
vo		SAVEB		225.8	70.1	35.0		Logging Histor		N/A	
월		ATCO		2.57 T	0.8	8.0		Cropping Histo	Name and Address of the Owner, where the Owner, which is the Owner, where the Owner, which is the Owner,	N/A	A - ' 41- (8)
ξ		CHVI				_		Elevation ((m)	Slope 2	Azimuth (°) 273
SS SS								Major or Comp	onent Landform		213
Trees & Shrubs							Physiography		nent (Circle one	Crost	Summit Shoulder Footslope
% Weight							Si Si	Kind of Slope (Circle one)	Straight	Concave Convex
70.9							Æ	Microrelief:			N/A
% Cover				200.4	70.0	25.0		Depth of Water			N/A
		Tetals		228.4	70.9	35.8 49.3		Drainage Class Frequency of F		dina:	N/A N/A
(8)	D	Totals	10	322.1 % of	ACHY	49.3	(Key Species)	Duration of Flo	oding or Pondi	arig.	N/A
Notes:		esent Utilization	N/A				(itely opening)				
Treatment	Need	s:					N/A				
Special Co	nside	rations (e.g, critical l	nabitat, r	iparian zone,	etc.):			N/A			
Associated	Sites	5 .						N/A			

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Range Inventory Worksheet

							,				
Site Name				87B				MLRA	29	Write-up No.	N/A
Ranch or S		2 No.		N/A				,		_	
Photo No.				N/A							
Soil Taxon	omic l	Jnit		N/A					N		
Field Office	е			N/A							
Location:	Sec	T		F	?			w		E	Location in section
	Long:		Lat					VV			Location in Section
Conservati	onist	M.MAIN;J.NORMA	N;S.KO	ZUSKO		Date:	June 6, 1999		S		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	Evaluate each	indicator in re	elation to cli	max for the site (circ	cle those that apply)
Plant	log	Symbol or	ē	t (c)	sen	igh.	v2	% Climax	Specie	as I	T
Group %	Phenology	Common Plant	Cover	Weight (lb/ac)	Present Weight	Climax / Weight	S	Vegetation	Diversi	Production %	Condition rating
Comp.	Æ	Name	%	> -	% Present by Weight	% fa	Conditions Class Indicators	100-76	0	100-76	Excellent (PNC)
SS		SIHY			3.0	3.0	lici di	75-51	1-2	75-51	Good (Late Sera))
Gra		ORHY			5.0	5.0	j je je	50-26	3-4	50-26	Fair (Mid Seral)
S ar		HIJA			12.0	8.0	ပိ	25-0	>4	25-0	Poor (Early Seral)
Grasses & Grass- Like Plants		BRTE			Т		Final Condition	Rating	LATE-SER	AL	
Li		SCAR			Т			Plant Vigor			Apparent Trend
								Decreasers		2	(Circle One)
% Weight							υ	Age Class			
20.0	_						Trend Indicators	Distribution			Improving
% Cover							<u> </u>	Decreasers		2	
			-		20.0	16.0	Ĕ	Increaser/			
		ARABIS			2.0	2.0	Pi.	Invaders		1	Declining
.,		ASLE			4.0	2.0	=	Soil Erosion			
Forbs		SPAM			1.0	1.0	1 1			3	
щ		MACA PHACELIA			Т			Total		8	Not Apparent
								Use History:		N/A	
% Weight							>	Kind of Anima	ıl:	Horses	
7.0							Site History	Season of Use	e:	Year Long	
% Cover							業	Wildlife Speci	es:	Antelope, Ra	bbits
					7.0	5.0	Site	Burning Histor	ry:	N/A	
"		SAVEB			59.0	35.0	. "	Logging Histo	ry:	N/A	
ģ		GUSA			T			Cropping History	orv:	N/A	
Trees & Shrubs		ARSP			5.0	5.0		Elevation		Slope	Azimuth (°)
∞ర		GRSP			8.0	3.0	1 1	1792		3-5	90
99		ATCO			1.0	1.0	>	Major or Com	ponent Lan		
Ĕ		EPNE			T		abt	Slope Compo	nent (Circle	one) Crest	Summit Shoulder
0/ Maight		OPUNTIA			T		Physiography	Kind of Class	/Oissle ====	Backslope	Footslope
% Weight 73.0		KRLA		-	-		iysi	Kind of Slope Microrelief:	(Circle one) Straight	Concave Convex N/A
% Cover					-		<u> </u>	Depth of Water	artable:		N/A
76 COVEI					73.0	44.0	1 1	Drainage Clas			N/A
		Totals		750	100.0	65.0	1 1	Frequency of		Ponding:	N/A
(8)	Pr	esent Utilization	10	% of	ACHY	00.0	(Key Species)				N/A
Notes:		CSCIN Othization	N/A				(11)				
Treatment	Need	s:					N/A				
Special Co	nside	rations (e.g, critical l	nabitat, i	riparian zone,	etc.):			N/A			
Associated	Sites	:						N/A			
	-										

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					Kange	HIVE	itory worksi	ieet			
Site Name				90A				MLRA	29	Write-up No.	N/A
Ranch or S	oil-23	2 No.		N/A		-				rrino apriro.	13073
hoto No.				N/A							
Soil Taxon		Jnit		N/A				_	N	_	
ield Office				N/A						4	
ocation:		т	1 -1-	R				w—	+++	E	Location in section
	Long: onist	M.MAIN;J.NORMA	Lat: N;V.WIN	KEL;BLOMQ	UIST	Date:	June 3, 1999		S	_	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	Evaluate each	indicator in relati		for the site (circ	le those that apply)
Plant Group % Comp.	Phenology	Symbol or Common Plant Name	Cover	Weight (lb/ac)	% Present by Weight	% Climax by Weight	Conditions Class Indicators	% Climax Vegetation	Species Diversity	Production %	
	0.		%	7.00			ons	100-76	0	100-76	Excellent (PNC)
s		SIHY HIJA		7.69 69.18	1.8 16.5	1.8 5.0	ng igi	75-51	1-2	75-51 50-26	Good (Late Seral)
& G		BRTE		12.74	3.0	5.0	, § ,	50-26 25-0	3-4	25-0	Fair (Mid Seral) Poor (Early Sera)
es &		Divie		12.14	0.0		Final Condition		EARLY-SE		(Coor (Larry Sera))
Grasses & Grass- Like Plants								Plant Vigor Decreasers	_		Apparent Trend (Circle One)
% Weight								Age Class			
21.4							Trend Indicators	Distribution			Improving
% Cover							lica	Decreasers	-	1	
				89.61	21.4	6.8	<u>P</u>	Increaser/			
		MACA ARABIS		T	-		Pue	Invaders		2	Declining
တ္		HAGL		Ť	-		↑ ⊢	Soil Erosion	2	,	
Forbs		TINOL						Total		2	Not Apparent
	1							Use History:		MODERATE	Y HEAVY
% Weight								Kind of Animal:		HORSES	
0.0							Site History	Season of Use:		YEARLONG	
% Cover							堂	Wildlife Species:		ANTELOPE,	RABBITS
		1000		0	0.0	0.0	Site	Burning History:		N/A	
S		ARSP CHVI		15 314.5	3.6 75.0	3.0		Logging History:		N/A N/A	
Trees & Shrubs		CHVI		314.5	75.0	3.0		Cropping History: Elevation (m		Slope	Azimuth (°)
S S	-				1		1	1824	'	1-2	220
es							1 .	Major or Compon	ent Landforn		
							Physiography	Slope Componer	nt (Circle one) Crest Backslope	Summit Shoulder Footslope
% Weight							ysio	Kind of Slope (Ci	rcle one)	Straight	Concave Convex
78.6					-		₹.	Microrelief:	LI-		N/A
% Cover				329.5	78.6	6.6	1	Depth of Waterta Drainage Class:	ible:		N/A N/A
		Totals		419.11	100.0	13.4		Frequency of Flo	oding or Pon	dina:	N/A
(8)	Pr	esent Utilization		% of	100.0	15.4	(Key Species)	Duration of Flood			N/A
Notes:			N/A				(1)				
Freatment	Need	S:					N/A				
Special Co	nside	rations (e.g, critical l	nabitat, ri	parian zone,	etc.):			N/A			
Associated	Sites	s:						N/A			

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Range Inventory Worksheet

							,				
Site Name				90B				MLRA	29	Write-up No.	N/Δ
Ranch or 8		2 No.		N/A				·	23	_ vviite-up 140.	IVA
Photo No.	, o c			N/A				•			
Soil Taxon	omic l	Jnit		N/A					N		
Field Office				N/A					ΠÏ		
Location:		T		R				•			
2000110111	Long:		Lat:					W		 E	Location in section
Conservati	-	M.HESSING;S.KO	_	.BLOMQUIS	T	Date:	June 3, 1999		S		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	Evaluate each	indicator in re		nax for the site (circ	cle those that apply)
Plant	Phenology	Symbol or	_	ŧπ	% Present by Weight	Climax Weight					11.22
Group %	ò	Common Plant	Cover	Weight (lb/ac)	res /eig	/ei	ass	% Climax	Species		Condition rating
Comp.	Pe	Name		≥ €	- S	%C	Or STO	Vegetation 100-76	Diversit	100-76	
ώ	п	ACLIV	%	07.0			nditions Cla	_	0		Excellent (PNC)
s s		ACHY SIHY		67.2	10.6	10.5 5.0	ng di	75-51	1-2	75-51 50-26	Good (Late Seral)
a tie		BRTE		68.6	10.8 5.3	5.0	Conditions Class Indicators	50-26 25-0	3-4	25-0	Fair (Mid Seral)
S 8		HIJA		33.6 72.9	11.4	5.0	Final Condition		>4 Late-Seral	25-0	Poor (Early Seral)
Grasses & Grass Like Plants		ERPU		29.3	4.6	5.0	Final Condition		Late-Serai		Apparent Trend
Sra L		SPCR		6.63	1.0	1.0		Plant Vigor		1	(Circle One)
% Weight		OF CIN		0.03	1.0	1.0		Decreasers			(Olicie Olie)
43.7	_						ε	Age Class			Improving
% Cover			-			_	ato	Distribution		0	Improving
76 COVEI		-		278.25	43.7	21.5	음	Decreasers		0	1 1
		ASLE		1.18	0.2	21.0	Trend Indicators	Increaser/			Declining
		SPAM		99.02	15.5	5.0	en G	Invaders		-1	Deciring
v		MACA		3.208	0.5	5.0	⊢	Soil Erosion		1	
Forbs		IMAGA		3.200	0.5			Total		1	Not Apparent
								Use History:		N/A	NIII NIII NIII NIII NIII NIII NIII NII
% Weight								Kind of Anima	ı.	Horses	
16.2							Site History	Season of Use		Year Long	
% Cover							18 €	Wildlife Specie		Antelope, Ra	bbits
				103.4	16.2	5.0	te te	Burning Histor		N/A	
		ATCO		209	32.8	30.0	i <u>o</u>	Logging Histo		N/A	
ps		ARSP		46.3	7.3	5.0		Cropping Histo		N/A	
댇	-	EPNE		Т				Elevation	SECURIOR DESIGNATION OF THE PERSON NAMED IN	Slope	Azimuth (°)
ري دي								1815	···/	3	131
SS	-							Major or Com	ponent Land		
Trees & Shrubs	-						Å,			Crest	Summit Shoulder
							<u> </u>	Slope Compo	nent (Circle	one) Backslope	Footslope
% Weight							i iĝi	Kind of Slope	(Circle one)	Straight	Concave Convex
40.1							Physiography	Microrelief:			N/A
% Cover							- 1	Depth of Water	ertable:		N/A
				255.26	40.1	35.0	1	Drainage Clas	s:		N/A
		Totals		636.9	100.0	61.5		Frequency of	Flooding or f	Ponding:	N/A
(8)	Pr	esent Utilization		% of			(Key Species)	Duration of Flo	ooding or Po	nding:	N/A
Notes:			N/A								
Treatment	Need	s:					N/A				
Special Co	nside	rations (e.g, critical h	nabitat, rip	parian zone,	etc.):			N/A			
Associated	Sites):						N/A			
		The second secon		-			7/10				

						Final	Report				
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					Range	Inven	tory Works	heet			
Site Name				90C		W		MLRA 2	29	Write-up No.	N/A
Ranch or S	Soil-23	2 No.		N/A			***************************************	-			
Photo No.		Tiv		N/A				_	EV.		
Soil Taxor Field Offic		Jnit		N/A N/A					N	7	
Location:		T		N/A F)			•	+-+	+	
Location.	Long:		Lat:		,	9		w 	++	E	Location in section
Conservat		V.WINKEL;S.PETI		GELLER		Date:	June 8, 1999		++	1	
0.000									S	_	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	Evaluate eacl	n indicator in relation t	o climax f	or the site (circ	le those that apply)
Plant	Phenology	Symbol or	ē	c jr	% Present by Weight	Climax Weight	ø	% Climax Si	pecies	T	
Group %	99	Common Plant	Cover	Weight (lb/ac)	Ve Ve	Ne Si	Conditions Class Indicators		versity	Production %	Condition rating
Comp.	급	Name	%	> -	% A	% 6	nditions Ck Indicators	100-76	0	100-76	Excellent (PNC)
SS		HIJA		315.5	31.3	5.0	j j j	75-51	1-2	75-51	Good (Late Seral)
Gra		ACHY		90.3	9.0	9.0	문호	50-26	3-4	50-26	Fair (Mid Sera)
≈ E		SIHY		2.3	0.2	0.2		25-0	>4	25-0	Poor (Early Seral)
asses & Gra Like Plants		BRTE		15.4	1.5		Final Condition		ERAL		
Grasses & Grass. Like Plants					-			Plant Vigor			Apparent Trend
% Weight	-				-			Decreasers	1		(Circle One)
42.0				<u> </u>	+		و	Age Class			Improving
% Cover					_		ato	Distribution Decreasers	0		improving
// 0010.				423.6	42.0	14.2	Trend Indicators	Increaser/			
		MACA		36.7	3.6		- -	Invaders	1		Declining
		ARABIS		2.0	0.2		ē				
sq		CRYPTANTHA		Т				Soil Erosion	2		
Forbs								Total			(Not Apparent)
								Total	4		
								Use History:		MODERATE	Y HEAVY
% Weight							ح ا	Kind of Animal:		HORSES	
3.8							sto	Season of Use:		YEARLONG	
% Cover				20.7			Site History	Wildlife Species:		ANTELOPE,	RABBITS
		4700		38.7	3.8	30.0	Sign	Burning History:		N/A N/A	
S		ATCO ARSP		515.8 31.1	51.1 3.1	30.0		Logging History:		N/A N/A	
直	<u> </u>	AROF		31.1	3.1	3.1		Cropping History: Elevation (m)		Slope	Azimuth (°)
Ś		1				-		1713		3	271
80					_			Major or Component	Landform		2/1
Trees & Shrubs							Ę,			Creet	Summit Shoulder
-							graf	Slope Component (0	Sircle one) Backslope	Footslope
% Weight) Siç	Kind of Slope (Circle	one)	Straight	Concave Convex
54.2							Physiography	Microrelief:		60	N/A
% Cover							_	Depth of Watertable:			N/A
				546.9	54.2	33.1		Drainage Class:			N/A
(0)		Totals		1009.2	100.0	47.3	(1/2005)	Frequency of Floodin			N/A
(8)	Pi	resent Utilization		% of			(Key Species)	Duration of Flooding	or Pondin	ıg:	N/A
Notes:											

N/A

N/A

N/A

Treatment Needs:

Associated Sites:

N/A

Special Considerations (e.g, critical habitat, riparian zone, etc.):

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4/88 (Rev)	

U.S Department of Agriculture Soil Conservation Service

					Range	Inven	tory Works	heet			
Site Name				90D				MLRA	29	Write-up No.	N/A
Ranch or S	oil-23	32 No.		N/A				-			
Photo No.				N/A							
Soil Taxon	omic I	Unit		N/A				•	N		
Field Office	•			N/A						7	
Location:	Sec	T		R				· w]_	I annilan in annilan
	Long:		Lat:					w F		E	Location in section
Conservati	onist	M.MAIN; J.NORMAI	N;S.KOZ	USKO		Date:	June 6, 1999		S]	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	Evaluate each	n indicator in rela	ation to climax f	or the site (circle	e those that apply)
Plant Group %	Phenology	Symbol or & & Common Plant &	Cover	Weight (lb/ac)	% Present by Weight	% Climax by Weight	Conditions Class Indicators	% Climax	Species	Production %	Condition rating
Comp.	her	Name	Ö	≥ €	ھ ج	O ≥	nditions Cla	Vegetation	Diversity		
(n)	Δ.	11114	%	240.4			cat	100-76	0	100-76	Excellent (PNC)
s s		HIJA		219.1	13.6	5.0	豊豆	75-51 50-26	1-2	75-51	Good (Late Seral)
ar G		ACHY		2.363	0.1	0.1	\ \& \ \	25-0	3-4 >4	50-26 C	Fair (Mid Seral)
S G							Final Condition		Aid-Seral	25-0	Poor (Early Seral)
sse ike	-						Final Condition				Apparent Trend
Grasses & Grass Like Plants							1	Plant Vigor Decreasers	1		(Circle One)
% Weight								Age Class			
13.7							Trend Indicators	Distribution			(Improving)
% Cover							<u>s</u>	Decreasers	1		
				221.463	13.7	5.1	<u> </u>	Increaser/			
		SPAM		20.53	1.3	1.3	pu	Invaders	1	## 10.101 mm	Declining
		SAIB		T			ļ Ĕ	Soil Erosion 3			
Forbs		ASLE		15.44	1.0						
£ .		HAGL		61.83	3.8			Total			Not Apparent
		ERMA							6	The second second second second second	
								Use History:		MODERAT	
% Weight							<u> </u>	Kind of Animal:		HORSES	
6.0 % Cover							Site History	Season of Use:		YEARLONG	ADDITO
% Cover				07.0	6.0	12		Wildlife Species		ANTELOPE,F	(ABBITS
		ATCO		97.8		1.3	Sit	Burning History		N/A	
S		ATCO KRLA		969 211.3	59.9 13.1	30.0 10.0		Logging History		N/A	
ž		ARSP		11	0.7	0.7		Cropping Histor Elevation (THE RESERVE OF THE PERSON NAMED IN	Slope	Azimuth (°)
S		CHVI		106.1	6.6	3.0	1	1687	"")	3	Azimuth (°) 120
S S		Crivi		100.1	0.0	0.0		Major or Compo	onent Landform		120
Trees & Shrubs							Physiography	Slope Compone		Crest	Summit Shoulder
0/ \A/-'-1							ogr	Kind of Oles . "	Disale es - V	Backslope	Footslope
% Weight 80.3	_						ıysi	Kind of Slope (C Microrelief:	Sircie one)	Straight	Concave Convex N/A
% Cover							Δ.	Depth of Water	table:		N/A
% Cover	**			1297.4	80.3	43.7	1	Drainage Class			N/A
		Totals		1616.7	100.0	50.1	1	Frequency of FI	looding or Pond	ting:	N/A
(8)	Pi	resent Utilization		% of			(Key Species)	Duration of Floo	oding or Pondin	ıg:	N/A
Notes:			N/A			•					
Treatment							N/A				
Special Co	nside	rations (e.g, critical h	iabitat, ri	parian zone,	etC.):			N/A			
Associated	Sites	5:						N/A			

						Final	Report			
NV-ECS-1 4/88 (Rev)									U.S Department of Soil Conservation	
					Range	e Inver	ntory Works	sheet		
Site Name				90E				MLRA 29	Write-up No.	N/A
Ranch or S	Soil-23	2 No.		N/A						
Photo No.				N/A				_		
Soil Taxon	omic l	Unit		N/A				N		
Field Office	е			N/A						
Location:	Sec	T		R				w	E	Location in sectio
Conservati	Long: ionist	M.MAIN;J.NORMA	Lat: N;S.KOZ	USKO		Date:	June 4, 1999		3	
								S		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	Evaluate eac	ch indicator in relation to climax	for the site (circ	le those that apply
Plant Group %	Phenology	Symbol or Common Plant	Cover	Weight (lb/ac)	% Present by Weight	% Climax by Weight	Conditions Class Indicators	% Climax Species Vegetation Diversity	Production %	Condition rating
Comp.	P. P.	Name	%	5 -	6 %	86	iditions Cla	100-76 0	100-76	Excellent (PNC)
SS		ACHY			1.0	1.0	1 5 5	75-51 1-2	75-51	Good (Late Seral
Sra		SIHY			T	T	1 💆 🖺	50-26 3-4	50-26	Fair (Mid Seral)
S C C		HIJA			60.0	5.0	7	25-0 >4	25-0	Poor (Early Sera
asses & Gra Like Plants		BRTE			T		Final Condition	n Rating Mid-Seral		
Grasses & Grass. Like Plants		ARPU			Т			Plant Vigor		Apparent Trend
		SPCR						Decreasers	0	(Circle One)
% Weight							, s	Age Class		
61.0							ģ	Distribution		Improving
% Cover							Trend Indicators	Decreasers	0	-
	_				61.0	6.0	Ĕ	Increaser/	_	Dar-Walana
		SPAM			2.0	2.0	- E	Invaders	-1	Declining
	_	MACA			1.0	1.0	i E	Soil Erosion	•	
Forbs	_	ASLE	-		2.0 8.0	2.0	-		2	Nat Assessed
Ĭ.	\vdash	CHST	-		7 T	2.0	1	Total		Not Apparent
		CRYPTANTHA	-			10		11. 18.	1 MODERATE	N LIEALOV
% Weight		ERMA LEPIDIUM	-		1.0 T	1.0	-	Use History: Kind of Animal:	HORSES	LY-HEAVY
% weight 14.0	_	LEPIDIUM	-		+	-	<u> </u>		YEARLONG	
% Cover	-				-	-	Season of Use: Wildlife Species: Burning History:		ANTELOPE,	PARRITS
Trees & Shrubs	\vdash	-	_		14.0	8.0	9	Burning History:	N/A	NADDI10
	-	ATCO	_		10.0	10.0	- is	Logging History:	N/A	
	-	ARSP	-		15.0	5.0	1	Cropping History:	N/A	
	_	KRLA	_		T	0.0	-	Elevation (m)	Slope	Azimuth (°)
		EPNE			T		1	1607	3-4	99
SS					 	1	1	Major or Component Landfor		
ree	_				1		Physiography	Crest S		Summit Shoulde
-					†		jrag L	Slope Component (Circle on	e) Backslope	Footslope
% Weight							1 .8	Kind of Slope (Circle one)	Straight	Concave Convex
25.0					1		څ 1	Microrelief:		N/A
	-		-		-	-	-1 O.			

Frequency of Flooding or Ponding: (Key Species) Duration of Flooding or Ponding: of N/A % (8) Present Utilization Notes: N/A Treatment Needs: N/A Special Considerations (e.g, critical habitat, riparian zone, etc.): N/A

25.0

100.0 29.0

450

15.0

Depth of Watertable:

Drainage Class:

N/A

N/A

N/A

N/A

% Cover

Associated Sites:

Totals

APPENDIX E SAMPLE LOCATION PHOTOGRAPHS

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E. SAMPLE LOCATION PHOTOGRAPHS

Sample Location 06A



Sample Location 06B



Sample Location 06C

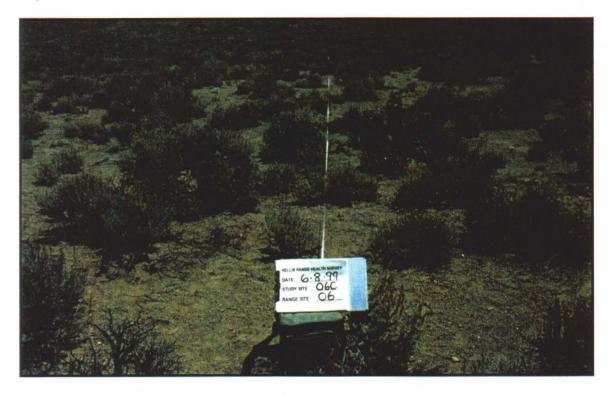


Photo not available for Sample Location 06D

Sample Location 06E



Sample Location 08A



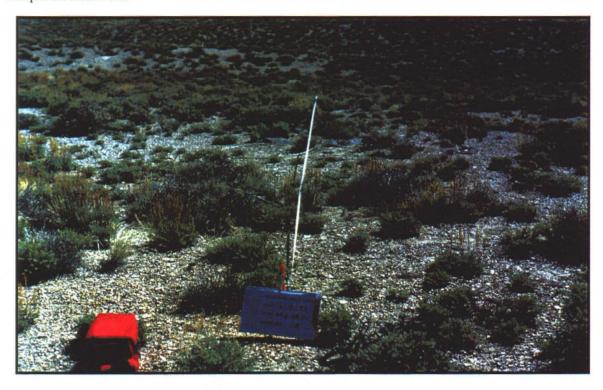
Sample Location 08B



Sample Location 08C



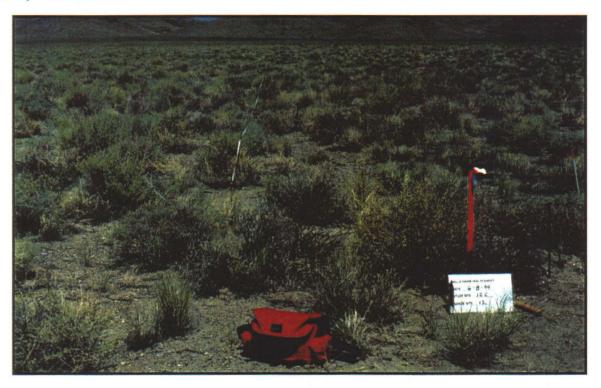
Sample Location 08D



Sample Location 12B



Sample Location 12C



Sample Location 14A



Sample Location 16A



Sample Location 16B



Sample Location 16C



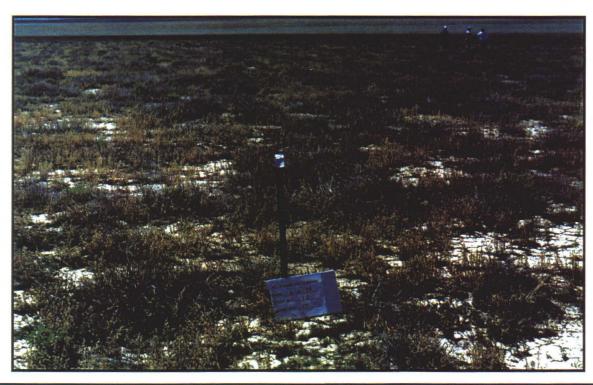
Sample Location 17A



Sample Location 17B



Sample Location 17C



Sample Location 20A



Sample Location 20B



Sample Location 22A



Sample Location 42B



Sample Location 42C



Sample Location 42D



Photo not available for Sample Location 42E

Sample Location 46A



Sample Location 46B



Sample Location 46D



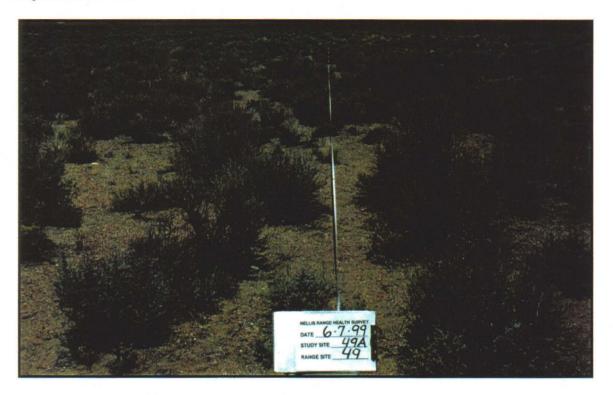
Sample Location 46E



Sample Location 46F



Sample Location 49A



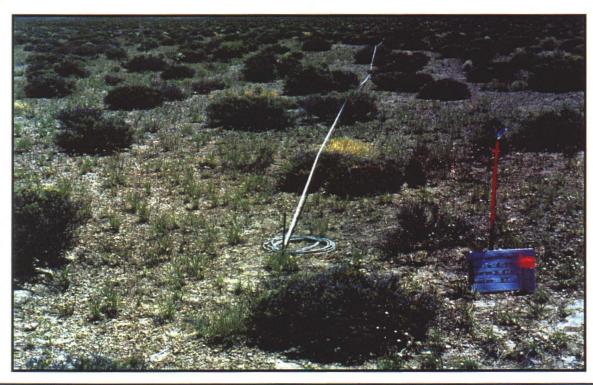
Sample Location 59A



Sample Location 59B



Sample Location 87A



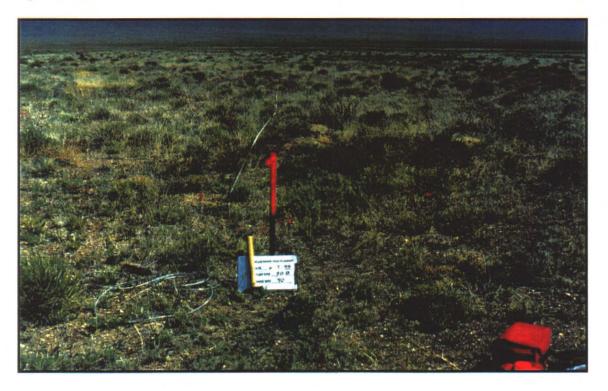
Sample Location 87B



Sample Location 90A



Sample Location 90B



Sample Location 90C



Sample Location 90D



Sample Location 90E



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APPENDIX F

PLANT SPECIES DOCUMENTED DURING RANGE CONDITION SAMPLING ON THE NEVADA WILD HORSE RANGE

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Table F-1. Plant Species Documented during Range Condition Sampling on the Nevada Wild Horse Range

	Spp Code	Scientific name	Common name
Grasses			
	ACHY	Achnatherum hymenoides	Indian ricegrass
	BRTE	Bromus tectorum	cheatgrass
	ERPU	Erioneuron pulchellum	low woolleygrass
	HIJA	Hilaria jamesii [Pleuraphis	io w woodley grade
	*****	jamesii]	
	SIHY	Sitanion hysterix	wildrye
	JHII	[Elymus elymoides var	Wildige
		elymoides]	
	PLANTAGO	Plantago spp.	Plantain
	SPCR	Sporobolus cryptandrus	sand dropseed
	STCO		needleandthread
	3100	Stipa comata	needieandunead
Forbs			
	ARABIS	Arabis spp.	rockcress
	ASLE	Astragalus lentiginosus	speckledpod milkvetch
	ASPU	Astragalus purshii	woolypod milkvetch
	CHST	Chaenactis stevoides	Steve's dustymaiden
	CRYPTANTHA	Cryptantha spp	cryptantha
	CRVI	Cryptantha virginensis	Virgin River catseye
	CYGL	Cymopterus globosus	globe springparsely
	DEPI	Descurainia pinnata	western tansymustard
	ERIGERON	Erigeron spp	fleabane
	ERMA	Eriogonum maculatum	spotted buchwheat
	ERNI	Eriogonum nidularium	birdsnest buckwheat
	EUAL	Euphorbia albomarginata	whitemargin sandmat
		[Chamaesyce albomarginata]	8
	HACKELIA	Hackelia spp	stickseed
	HAGL	Halogeton glomeratus	halogeton
	LEPIDIUM	Lepidium spp	pepperweed
	MACA	Machaeranthera canescens	hoary aster
	MENTZELIA	Mentzelia spp	blazingstar
	PHST	Phlox stansburyi	colddesert phlox
	SAIB	Salsola iberica	Russian thistle
	SEMU	Senecio multilobatus	lobeleaf groundsel
	SPAM	Sphaeralcea ambigua	desert globemallow
	STPA	Stephanomeria pauciflora	brownplume wirelettuce
	UNK FORBS	Unknown forb	forb
	ONK POKES	Chanown 1010	1010
Shrubs			
	ARNO	Artemisia nova	black sagebrush
	ARSP	Artemisia spinescens	bud sagebrush
	ARTRW	Atremisia tridentata	Wyoming big sagebrush
		wyomingensis	V
	ATCA	Atriplex canescens	fourwing saltbush
	ATCO	Atriplex confertifolia	Shadscale saltbush
	CACTUS	Cactus spp	cactus

Table F-1. Plant Species Documented During Range Condition Sampling on the Nevada Wild Horse Range (Continued)

	Spp Code	Scientific name	Common name
Shrubs			The control of the co
(cont'd.)			
	CHVI	Chrysothamnus viscidiflorus	green rabbitbrush
	EPNE	Ephedra nevadensis	Nevada jointfir
	GRSP	Grayia spinosa	spiny hopsage
	GUSA	gutierrezia sarothrae	broom snakeweed
	KOAMV	Kochia americana vestita	greenmolly
	KRLA	Krascheninnikovia lanata	winterfat
	LYAN	Lycium andersonii	Anderson's wolfberry
	PSFR	Psorothamnus fremontii	Fremont's dalea
	SAVEB	Sarcobatus vermiculatus baileyei	greasewood
	TEGL	Tetradymia glabrata	littleleaf horsebush

APPENDIX G
ACRONYMS

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G. ACRONYMS

AML AU	Appropriate Management Level Animal Unit
BLM	Bureau of Land Management
DOI DRI	U.S. Department of the Interior Desert Research Institute
ESD	Environmental Sciences Department
°F	Degrees Fahrenheit
GPS	Global Positioning System
MLRA	Major Land Resource Area
NAFR NRCS NWHR	Nellis Air Force Range Natural Resources Conservation Service Nevada Wild Horse Range
PHPS PNC	Preferred Horse Population Size Potential Natural Climax
SAIC SWA	Science Applications International Corporation Site Write-up Area
TM	Thematic Mapper
USAF USDA USGS UTM(s)	U.S. Air Force U.S. Department of Agriculture U.S. Geologic Survey Universal Transverse Mercator(s)
WHUA	Wild Horse Use Area

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