

ADDENDUM # 1 TO
**SAGE VALLEY / HORSE VALLEY
ALLOTMENT MANAGEMENT PLANS**

**CEDAR CITY RANGER DISTRICT
DIXIE NATIONAL FOREST**

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I. **PURPOSE AND NEED**

A. This addendum is written and necessary as a review of allotment goals and objectives and to adapt new management goals and objectives.

II. **OBJECTIVES**

A. Objectives will remain the same as originally written in the original allotment management plan.

These objectives will be monitored and evaluated through extensive follow-up action and studies as outlined in section VII of this plan. If monitoring results indicate the objectives are not being met or show a downward trend, other actions may be taken which could include a reduction in livestock numbers, change in season length, and change in class of animals. An additional addendum will be made if these changes are necessary and the Term Grazing Permit will be modified as necessary.

III. **MANAGEMENT ACTIONS**

A. Permitted use = 1,350 head of ewe/lamb from June 26 through October 10 annually. This equates to 6,075 Head Months.

B. The management prescription developed for this allotment will continue as it is written in the 1977 allotment management plan.

IV. **MONITORING & KEY AREAS**

A. The key areas and/or critical or sensitive areas are identified on the attached map. Other key areas will be identified when deemed appropriate.

B. Monitoring techniques used will be taken from the Region 4 Range Analysis Handbook, and or the Interagency Technical References (1996) on Sampling Vegetation Attributes and Utilization Studies and Residual Measurements.

V. **PROPER USE GUIDELINES**

Forest Plan Proper Use Guidelines will be followed. They are as follows:

<u>Vegetation Type</u>	<u>Utilization By Seral Stage</u>				<u>Comments</u>
	<u>Very Early</u>	<u>Early</u>	<u>Mid</u>	<u>Late</u>	
Hydric Species in riparian areas	6" SH*	6" SH	4" SM	4" SH	Remaining at end of growing season
Riparian Management Area 9B	6" SH	6" SH	6" SH	6" SH	Remaining at end of growing season
Hydric species	6" SH	6" SH	4" SH	4" SH	Remaining at end of

in wet meadows not influenced by streams					growing season
Non-hydric species in riparian areas	2" SH	2" SH	2" SH	2" SH	Remaining at end of growing season.
Stream banks	----- <20% disturbance-----				Sloughing/trampling/tracks
	Disturbance will be determined by establishing a statistically reliable number and location of 100-foot green-line transects within the entire stream reach confined within the pasture. Percent disturbance will be measured along each transect, totaled, and averaged for the entire confined stream reach. An average exceeding 20% disturbance will indicate the proper time to remove livestock from this stream section.				
Riparian browse	----- ≤50% disturbance-----				New leader production.
Upland	50%	50%	50%	50%	Varying in specific unit from 40-60%.
Crested wheat grass	60%	60%	60%	60%	Mgmt option to intensively graze at higher level to maintain healthy seeding.

Goshawk post-fledgling family areas (PFAs)

Ponderosa Pine/Mixed species--use criteria applies in 1 to 2-acre openings in 600-acre area ,as mapped and identified with grazing permittee (openings larger than 2 acres are not considered within the PFA):

Spruce-Fir--use criteria applies in 1/2 to 1-acre openings in 600-acre area ,as mapped and identified with grazing permittee (acres larger than 1 acre are not considered within the PFA):

Grass, Forb	---average 20% by weight--all species-----	Not exceed 40%.
Shrub	---average 40% by weight--all species-----	Not exceed 50%.

Goshawk foraging areas

Ponderosa Pine/Mixed Species--use criteria applies in 1 to 4-acre openings in 6000-acre area, as mapped and identified with grazing permittee (openings larger than 4 acres are not monitored foraging areas):

Spruce-Fir--use criteria applies in 1/2 to 1-acre openings in 6000-acre area, as mapped and identified with grazing permittee (openings larger than 1 acre are not monitored foraging areas):

Grass, Forb	---average 20% by weight--all species-----	Not exceed 40%.
Shrub	---average 40% by weight--all species-----	Not exceed 50%.

*SH= Stubble Height

Exceeding any one of these standards in a monitoring area will indicate the proper time to distribute livestock away from that monitoring site onto available feed in other areas of the pasture or allotment. If distribution efforts are unsuccessful at maintaining proper use criterion within the monitoring site, then livestock may be required to be removed from the pasture or allotment.

VI. DISTRIBUTION AIDS

- A. Salting: No salt will be allowed along or adjacent to any riparian zone during anytime during the grazing season. Designated riparian zones on the allotment improvement map attached to this plan will have no salt placed within ¼ mile of the riparian zone. This will prevent excessive use and heavy congregations of livestock in these critical zones of influence.
- B. Herding: All livestock will be herded away from critical zones of influence (riparian areas). Livestock will be evenly distributed throughout the allotment during the grazing season. A rider shall attempt to scatter livestock on a daily basis to maintain good distribution. If concentrations of livestock become a

problem in any critical zone of influence, action will be taken to alleviate this problem which may entail another amendment.

VII. FOLLOW-UP ACTION AND STUDIES

This plan will be evaluated by determining if management objectives are being met. Objectives will be evaluated by allotment inspections, permanent trend studies and photo points.

The proper use criteria of the key perennial grasses will be applied. Once the use is reached within the key areas of a pasture, livestock will be moved to the next scheduled unit. If it is determined that all pastures have met proper use and the rotation of all pastures is complete, then livestock will be removed earlier from the allotment.

- A. Permanent Long Term Trend studies will include ground cover, photo points and photo plots.
- B. Utilization and Follow-up studies will be completed upon the identified key areas. Photo points will also be established in conjunction with the utilization and follow-up studies.

This above data may determine the need to make adjustments in permitted livestock numbers during the analysis of the allotment.

VIII. RANGE IMPROVEMENTS

The range improvements listed below and in Part 3 of the Grazing Permit will be maintained by the permittee as needed to retain function.

DEVELOPMENTS

Feature ID	Feature Name	Feature Type	Date Constructed
238101	BLOWHARD EXCLOSURE	FENCE	1990
238102	TALL FORB EXCLOSURE	FENCE	1990
238104	MIDWAY EXCLOSURE	FENCE	1925
238106	CLEAR CREEK BOUNDARY	FENCE	1980
238107	CLEAR CREEK DRIFT	FENCE	1980
238201	NELLIES FLAT SPRING	WATER_SYSTEM	1990
238202	SAGE VALLEY SPRING	WATER_SYSTEM	1985
238205	MIDWAY SPRING	WATER_SYSTEM	1960
238206	KING'S VALLEY SPRING	WATER_SYSTEM	1985
238207	COVE SPRING	WATER_SYSTEM	1985
238208	UPPER LEASE POND SPRING	WATER_SYSTEM	1978

238301	NELLIES FLAT PIPELINE	WATER_SYSTEM	1995
238302	MIDWAY SPRING	WATER_SYSTEM	1960
238303	SAGE VALLEY SPRING PIPELINE	WATER_SYSTEM	1985
238304	KINGS VALLEY PIPELINE	WATER_SYSTEM	1985
238305	COVE SPRING PIPELINE	WATER_SYSTEM	1985
238401	BLOWHARD POND	WATER_SYSTEM	1960
238402	LONG VALLEY CREEK POND	WATER_SYSTEM	1985
238403	NELLIES FLAT POND	WATER_SYSTEM	1990
238404	SAGE VALLEY RESERVOIR	WATER_SYSTEM	1960
238405	SAGE VALLEY POND	WATER_SYSTEM	1985
238406	HORSE PASTURE RESERVOIR	WATER_SYSTEM	1998
238407	KINGS VALLEY POND	WATER_SYSTEM	1985
238408	COVE POND	WATER_SYSTEM	1985
238409	LOWER COVE POND	WATER_SYSTEM	1985
238410	UPPER "LEASE" POND	WATER_SYSTEM	1970
238411	LOWER "LEASE" POND	WATER_SYSTEM	1965
238412	HOMESTEAD POND	WATER_SYSTEM	1970
238413	BLOWHARD RADAR POND	WATER_SYSTEM	1960
238414	MIDWAY TROUGH	WATER_SYSTEM	1960
238501	BLOWHARD CORRAL	HANDLING_FACILITY	1950

IX. PERMITTEE ANNUAL PLAN OF USE

Each year prior to the beginning of the grazing season, an annual grazing plan will be prepared. Deviation from the annual plan i.e. rotation schedule will be determined on a case by case basis with approval by the District Ranger or the District Range Staff. The plan will deal with livestock distribution, livestock accountability, allotment examinations, the importance of salting and riding, maintenance of improvements, and fire prevention responsibilities.

