APPENDIX M
METHODOLOGY USED IN THE RANGE ANALYSIS

METHODOLOGY FOR VEGETATIVE INVENTORY

A vegetative inventory on public land in the Headwaters Resource Area was conducted beginning in October of 1979 and field work was completed in November of 1981. The data collected have been used in this document to classify sites, determine the vegetative condition of plant communities, and determine the suitability of the land for livestock grazing.

Classification

Two classification systems were used in site identification. Sites dominated by grassland, shrub, or a mixture of grass/shrub vegetation were classified according to the Soil Conservation Service's *Montana Grazing Guides* (1974) as ammended. This system interprets the site based upon geographic region (in this case the foothills and mountains of Montana); soil characteristics, including texture and depth; mean annual precipitation; and climax vegetation, to the extent that it can be interpreted for the site.

Sites having the potential to produce a 10% or greater canopy coverage of trees in near climax condition were classified according to *Forest Habitat Types of Montana* (USDA, FS 1977a). This system interprets the site based upon the potential climax tree species and indicator plants that occur in the undergrowth.

Vegetative Condition

Inventory crews first identified and delineated the boundaries for the sites to be inspected. Estimates of plant species composition, based on weight, were then made for the plant community found on each site. Using tables in the SCS's *Montana Grazing Guide*, and more detailed data in the SCS's unpublished Technical Range Site Descriptions for Montana, the present species composition was compared to the potential climax composition for the site. A condition rating was computed for the vegetation on each site. This rating represents the extent to which the site differs from potential climax. While this condition rating is often referred to as range condition, this document refers to the rating as vegetative condition. This is done to better separate this rating from a rating of overall resource condition, and to inject a less subjective interpretation of the term condition.

Four condition classes are set forth by the SCS. A plant community in excellent condition exhibits little change in species composition when compared to the potential climax plant community for the site. Between 100% and 75% of the kinds and amounts of vegetation produced would be found in climax. Good condition communities produce between 75% and 51% of the kinds and amounts of vegetation found in climax. Fair condition communities produce between 50% and 26% of the kinds and amounts of vegetation found in climax. Poor condition communities produce between 25% and 0% of the kinds and amounts of vegetation found in climax. A fifth condition class of unclassified was used in the inventory to designate vegetative communities that could not be legitimately compared to a climax community. The unclassified rating was applied to areas that had been plowed and seeded, areas where native vegetation has been manipulated by mechanical or chemical means, areas of undergrowth communities having dense forest canopies or heavy duff accumulation, etc.

Suitability

The suitability of each site for livestock grazing was recorded. One of four ratings was assigned to each site: suitable, no environmental factors restricting livestock access and use of the site; potentially suitable, environmental factors now limit livestock access or use, but changes could be made that would make the site suitable; unsuitable, environmental factors now limit livestock access or use that cannot be changed; and limited suitability, most commonly used for areas producing ephemeral vegetation. The major criteria used to rate range land suitability are: distance from water, slope or other physical barriers, forage production, and the erosion rating for the soil. BLM Instruction Memorandum 78-134 was used in applying these criteria.

ALLOTMENT CATEGORIZATION

Specific criteria were developed to evaluate the management situation for each allotment and single out those allotments that will require a change in present grazing management in order to resolve conflicts in the use of resources. The present condition of the resource, its potential to respond to management changes, the current management situation, and the socioeconomic feasibility of changing grazing management were all used as criteria. These are based on current BLM policy, which can be found in W.O. I.M. 82-292. Each criterion was rated independently by a cross section of resource specialists familiar with the allotment. Each specialist recommended placement of the allotment into one of three management categories. Finally, the ratings and recommendations were reviewed by the Area Manager who made a tentative decision on how the allotment would be categorized. Appendix D places each allotment into one of the three management categories and describes livestock use in each allotment. Table M-1 shows the natural resource factors for each allotment that were used in the categorization process. The management category for an allotment may be changed after the RMP/EIS is completed in 1983, or may be changed when resource conditions change or new data becomes available.

Allotments Where Change is Not Feasible

These allotments are best described as follows: little, if any, conflict exists in resource use; overall, resource values are relatively low; the biological potential for response to different management is low; the size or potential productivity of the allotment does not warrant the expenditure of funds for supervision; and/or the cost of range improvements needed to change grazing management exceeds the expected benefits. These allotments are referred to as custodial management, or C allotments.

Allotments Where Change is Not Needed

These allotments are best described as follows: vegetative and watershed conditions are satisfactory; the allotment has the potential for high resource production and is producing near its potential; there are no serious resource use conflicts; and/or the allotment's size and physical characteristics could warrant investment of public funds for range improvements and/or supervision. These allotments are referred to as maintenance management, or M allotments.

Allotments Where Change is Needed

These allotments are best described as follows: vegetative and/or watershed conditions are not satisfactory; the allotment's potential production is high to moderate, but it is producing below its potential; there are substantive conflicts with other resource uses; and/or the allotment's size, physical characteristics, and the anticipated benefits from management changes warrant investment of public funds for range improvements and/or supervision. These allotments are referred to as improvement management, or I allotments.

GRAZING MANAGEMENT PROBLEMS, OPPORTUNITIES, AND OBJECTIVES

Table M-2 describes the most common problems that are encountered in the administration and management of livestock grazing on public land in the resource area. It also describes in general terms what management actions can be used to correct the situations. The table is intended to provide an overview of how grazing management or administration could be improved to favor livestock and/or forage production. The situations described do not apply to all allotments nor do the management actions take into account multiple use management considerations.

Appendix E presents allotment specific problems and objectives that consider multiple use management. Economic analyses will be applied to each allotment that requires an investment of public funds to implement needed changes.

TABLE M-1
RESOURCE CONDITIONS/CONFLICT

No.	Allotment Name	Change needed in veg. cond. &/or prod.	Potential of veg. to respond	Change needed in watershed conditions	Potential of watershed to respond	Change needed in wildlife hab. cond.	Potential of habitat to respond	Change needed in rip. area condition	Potential of rip. areas to respond	Special areas of concern	Tent. mgmt. categ.	Priority for proposed AMP allotment (wild./ran.)
0201	Missouri	No	Mod.-Low	Significant	High	No	Hi-Mod.	Significant	Hi-Mod.	Bald eagle & fisheries	I	1/2
0202	Q&Q Common	Some	Mod.-Low	Some	Low	Minor	Low	Significant	Low	Deer wt/sp use	M	
0203	Alta Mountain	No	Mod.-Low	Significant	Mod.	No	Low	Significant	Low	Deer wt/sp use	M	
0204	Amazon	Some	Mod.	No	Low	No	Low	Minor	Hi-Mod.	Deer wt/sp use	M	
0205	Wicks	Some	Mod.-Low	No	Mod.	Some	Mod.	Minor	Hi-Mod.	Big game wt/sp	M	
0206	Stauback Creek	No	Mod.-Low	No	Low	Significant	Low	—	—	None	C	
0207	Prickly Pear	No	Mod.-Low	Some	Mod.	Minor	Mod.	Minor	Hi-Mod.	None	M	
0208	Dry Mountain	No	Mod.-Low	No	Mod.-Low	No	Mod.	—	Hi-Mod.	None	M	
0209	Dowdy Ditch	No	Mod.	No	Low	Significant	Low	—	—	None	I	2/2
0210	County Line	Significant	Mod.-Low	Some	Low	Some	Mod.-Low	—	—	Deer wt/sp	I	1/2
0211	N. Doherty	No	Mod.-Low	No	Low	No	Low	—	—	None	M	
0212	Boulder River	Significant	Mod.-Low	Some	Mod.-Low	Some	Mod.	—	—	None	I	2/2
0213	Silver Sage	Minor	Mod.	No	Mod.-Low	No	Mod.	—	—	None	M	
0214	Rattlesnake Creek	No	Low	No	Low	No	N/A	—	—	None	C	
0215	Breaks	No	Mod.-Low	Significant	Mod.-Low	Significant	Low	—	—	Osprey nesting	I	2/2
0216	Black Sage	Minor	Low	No	Low	No	Mod.	—	—	deer, antelope	M	
0217	S. Doherty (E&W pasture)	Some	Mod.-Low	Some	Low	No	Low	—	—	deer	M	
0218	Dry Creek	Some	Low	No	Low	No	Low	—	—	Deer/elk wt/sp	M	
0219	Log Gulch SGC	No	Low	Some	Low	Significant	Mod.	Significant	Hi-Mod.	Antl./deer wt/sp.	I	1/2
0220	Bull Mountain	Some	Mod.	Significant	Hi-Mod.	Some	Mod.	Significant	Mod.-Low	Antl./deer	I	1/1
0221	Yellowshack	Some	Low	Minor	Low	Significant	Mod.	—	—	Antl./S. grouse	M	
0222	Whitehorse	No	Mod.-Low	No	Low	No	Mod.	—	—	None	M	
0223	Beaver	No data	Mod.-Low	No	Low	Minor	Hi-Mod.	Some	Hi-Mod.	None	M	
0224	Clark Gulch	No	Low	Some	Hi-Mod.	No	Low	—	—	None	C	
0225	Keating Gulch Common	Some	Mod.	Significant	Hi-Mod.	Significant	Hi-Mod.	Significant	Hi-Mod.	None	I	1/1
0226	Individual	No	Low	No	Low	No	Low	—	—	None	C	
0227	Kimber Gulch	No	Mod.	Significant	Hi-Mod.	No	Hi-Mod.	Significant	Hi-Mod.	Elk wt/sp.	I	2/2
0229	Beaver Creek	No	Mod.	No	Low	No	Hi-Mod.	No	Hi-Mod.	None	C	
0230	Whiskey Gulch	Some	Mod.-Low	Significant	Mod.-Low	Some	Mod.	No	Hi-Mod.	Deer wt/sp.	I	1/1
0231	Hi Ore	Some	Mod.-Low	Some	Mod.	Significant	Mod.	Significant	Hi-Mod.	Elk/deer wt/sp.	I	1/1
0232	Keating Individual	No	Mod.-Low	No	Hi-Mod.	No	Hi-Mod.	—	—	None	M	
0233	Indian Creek	Significant	Mod.	Significant	Mod.-Low	Significant	Hi-Mod.	No	Hi-Mod.	Elk/blue-grouse	I	1/1
0234	High Peak	No	Mod.-Low	Significant	Hi-Mod.	No	Hi-Mod.	No data	?	Osprey	I	2/2
0235	Devils Bottom	Some	Mod.	Significant	Low	No	Hi-Mod.	Significant	Hi-Mod.	Osprey/ fishery	I	1/2
0237	Emigrant Creek	No	Mod.	No	Low	No	Low	—	—	None	C	
0238	Pole Canyon	Minor	Mod.	Significant	Hi-Mod.	Some	Mod.	Significant	Hi-Mod.	None	I	1/2
0239	Bigfoot	No	Hi-Mod.	Some	Mod.-Low	No	Mod.	Minor	Mod.	None	M	
0240	Rocky Canyon	No	Mod.-Low	Some	Mod.-Low	No	Mod.	No	Hi-Mod.	None	M	
0241	Little Boulder	No	Low	Some	Low	No	Low	Minor	Hi-Mod.	Deer/elk wt/sp/su	M	

0242	Whitetail Basin	Some	Mod.	No	Mod.-Low	Some	Mod.	No	Mod.	Elk/antl.	I	2/1
0243	Devils Fence (Broadwater Co. Pastures)	No	Hi-Mod.	Significant	Low	Significant	Hi-Mod.	—	—	Elk/deer, wt/sp	I	1/1
	(Jefferson Co. Pastures)	Significant	High	Significant	High	Significant	Mod.	No	—	Deer/elk sp/f	I	1/1
0244	Cable Gulch	No	Mod.-Low	Some	Mod.-Low	No	Low	No	Hi-Mod.	None	M	
0245	Sugarloaf	Significant	High	Significant	High	Significant	Mod.	Significant	Hi-Mod.	Deer wt/sp	I	1/1
0246	Boomerang	Some	Mod.	Some	Mod.	Minor	Mod.	Minor	Hi-Mod.	Deer wt/sp	M	
0247	Rawhide	Some	Mod.-Low	Some	Low	Significant	Mod.	Minor	Mod.	Deer wt/sp	I	1/2
0248	Little Boulder	Some	Mod.-Low	Some	Hi-Mod.	Some	Mod.	Minor	Hi-Mod.	Elk/deer wt/sp	I	2/2
0249	Muskrat	Significant	High	Some	Mod.	Significant	Mod.	Significant	Hi-Mod.	High wildlife	I	1/1
0250	Millegan Common	No	Mod.-Low	Some	Low	No	Low	—	—	None	M	
0251	Nineteen Mile	Minor	Mod.	No	Low	No	Mod.	—	—	None	C	
0252	Gregor Mountain	Significant	Hi-Mod.	Some	Mod.	Some	Low	—	—	None	M	
0253	Dutchman Creek	No	Mod.	Some	Low	Minor	Low	No	Low	Deer/elk	M	
0254	Free Coinage	Some	Mod.-Low	No	Mod.	Minor	Low	—	—	Pot. turkey transplant	M	
0255	Clancy Gulch	Some	Mod.-Low	No	Mod.	Minor	Mod.	Some	Hi-Mod.	Some elk use	M	
0256	Spokane Creek	No data	No data	No	Low	No	N/A	—	—	None	C	
0257	Lump Gulch	No	Mod.-Low	No	Mod.	Some	Mod.	Minor	Hi-Mod.	Good fishery elk wt/sp	M	
0258	Ringing Rocks	No	Mod.-Low	Significant	Hi-Mod.	Significant	Mod.	—	—	Elk/deer wt.	I	1/2
0259	Rear Place	No	Mod.-Low	No	Low	Minor	Low	—	—	None	C	
0260	Wickman Field	No	Mod.-Low	Significant	Hi-Mod.	Minor	Low	—	—	None	C	
0261	Flood Place	No	Mod.-Low	No	Mod.	Significant	Mod.	—	—	Antl. wt/sp	I	1/2
0262	Wood Gulch	No	Mod.-Low	No	Low	No	Low	—	—	None	M	
0263	Buffalo Creek	No	Mod.-Low	Some	Mod.	Some	Mod.	Significant	Hi-Mod.	Good fishery	I	1/2
0264	Huller Spring	Some	Mod.	Some	Mod.-Low	Some	Mod.	Significant	Hi-Mod.	Elk/deer wt.	I	1/2
0265	T4N, R2W, Sec. 6	Significant	Mod.	No	Low	Minor	Low	—	—	None	C	
0266	Elkhorn Creek	No	Mod.-Low	No	Low	Minor	Low	—	—	Deer/elk	M	
0267	Allotment deleted, combined with #7720											
0269	Corbin	No	Mod.-Low	No	Low	Minor	Low	—	—	None	C	
0270	Black Jack	No	Mod.-Low	Some	Low	Minor	Low	—	—	None	C	
0271	Sappington Spring	Minor	Mod.	Some	Mod.-Low	Significant	Mod.	—	—	Elk/deer	I	2/2
0272	Riverside School	No data	Mod.-Low	Some	Mod.-Low	No	Mod.-Low	—	—	Antelope	M	
0273	Limestone Hills	Significant	Mod.	Significant	Mod.-Low	Significant	Hi-Low	Significant	Hi-Mod.	Mule deer	I	1/1
0274	Rattlesnake Creek	Minor	Mod.	Some	Mod.	Some	Mod.-Low	No	Mod.	Antelope	M	
0275	Cottonwood Common	Minor	Mod.	No	Low	Some	Hi-Mod.	Significant	Hi-Mod.	None	M	
0277	Browns Gulch SGC	Significant	Mod.	No	Low	Minor	Low	—	—	Deer wt range	C	
0278	Hill & Wilkerson	Minor	Low	No	Low	No	Low	—	—	None	C	
0279	Bald Hills	Minor	Mod.-Low	Significant	Mod.-Low	No	Low	No	Hi-Mod.	Antl.	M	
0280	Willow Spring	No	Mod.-Low	?	?	Minor	Low	—	—	None	C	
0281	Limestone East	Some	Mod.	Significant	Mod.-Low	Significant	Hi-Mod.	Significant	Hi-Mod.	Antl./elk	I	1/1
0282	Sumitt	Minor	Mod.	Some	Mod.-Low	Some	Mod.	—	—	Mule deer	I	1/2
0283	Jack Mountain	No	Mod.-Low	No	Mod.	Minor	Low	—	—	Moose/ Deer/ Elk	M	
0284	Copper City	Significant	Mod.	Some	Hi-Mod.	Significant	Hi-Mod.	—	—	Sage grouse/ antelope	I	1/1
0285	Cottonwood	No	Mod.-Low	No	Low	Significant	Mod.	Significant	Mod.	Potential B. sheep	I	1/2
0286	Smith Individual	No data	Low	No	Mod.-Low	No	Mod.-Low	—	—	Antelope	C	
0287	Horse Gulch	Significant	Hi-Mod.	Some	Low	Some	Mod.	—	—	Deer wt. use	I	1/1
0288	Sunlight	Minor	Mod.-Low	No	Low	No	Low	—	—	None	M	
0289	Little Butte	No	Mod.-Low	No	Low	No	Low	—	—	Antelope	C	
0290	Jackson Creek	No	Mod.-Low	No	Low	Minor	Low	Minor	Hi-Mod.	None	C	
0291	Lower Johnny Gulch	No	Mod.-Low	Some	Low	No	Low	—	—	None	C	
0292	Ralls Mines	No	Mod.-Low	Some	Low	No	Low	—	—	None	C	

TABLE M-1
RESOURCE CONDITIONS/CONFLICT

No.	Allotment Name	Change needed in veg. cond. &/or prod.	Potential of veg. to respond	Change needed in watershed conditions	Potential of watershed to respond	Change needed in wildlife hab. cond.	Potential of habitat to respond	Change needed in rip. area condition	Potential of rip. areas to respond	Special areas of concern	Tent. mgmt. categ.	Priority for proposed AMP allotment (wild./ran.)
0293	Lone Mountain	Minor	Mod.	Some	Low	No	Low	—	—	None	M	
0294	Rattlesnake	No	Mod.	Some	Low	Some	Low	Some	?	Antl./ elk/deer	I	1/2
0295	W. Keating Gulch	Minor	Mod.	No	Mod.-Low	No	Low	—	—	Antelope	M	
0296	Section 33	Minor	Low	No	Mod.-Low	Some	Mod.-Low	—	—	Mule deer	M	
0297	South Beacon	No	Mod.-Low	No	Mod.	Minor	Low	—	—	Deer	C	
0298	Little Butte	No	Mod.-Low	No	Low	Minor	Low	—	—	None	C	
0299	Dry Hollow	Minor	Mod.	No	Low	No	Low	—	—	None	C	
0358	Spring	Significant	Mod.	No	Low	Significant	Mod.-Low	—	—	None	I	2/1
0359	Farnham Creek	No	Low-None	No	Low	Minor	Low	—	—	None	C	
0360	Beavertown Creek	No	Mod.-Low	No	Low	Significant	Hi-Mod.	—	—	None	C	
0372	Rader	No	Mod.-Low	No	Low	No	Low	—	—	Deer	C	
0373	Pipestone	Significant	Mod.	Significant	Hi-Mod.	Significant	Mod.	—	—	Deer	I	1/1
0375	East & West	Significant	Mod.-Low	Some	Mod.-Low	Significant	Mod.	—	—	Deer/antl./s. gr.	I	1/1
0376	Toston Canal	Significant	Mod.-Low	Significant	Mod.-Low	Significant	Hi-Mod.	—	—	Elk/S. gr.	I	1/1
0381	Dunbar Springs	Minor	Mod.-Low	No	Low	Minor	Low	—	—	Deer & elk	M	
0382	Deer Park	No	Low	Some	Low	No	Low	Minor	Hi-Mod.	None	C	
0383	Roy Gulch	Minor	Mod.-Low	No	Low	Minor	Low	—	—	Elk/deer	M	
0384	Upper Sixteen	No	Low	No	Low	Minor	Low	Minor	Low	Fishery	M	
0387	Sixteen Mile	Minor	Mod.-Low	Some	Mod.-Low	No	Hi-mod.	No	Hi-Mod.	Elk/fishery	M	
0389	Madison Buffalo	No	Mod.-Low	No	Low	Minor	Low	—	—	None	C	
0391	Big Davis Gulch	No	Mod.-Low	No	Low	Minor	Low	—	—	Elk	C	
0392	Garden Gulch	Minor	Mod.-Low	No	Low	Minor	Low	—	—	Elk	M	
0396	N. Duck Creek	No	Low	Some	Low	No	Low	—	—	Turkey/mule deer	C	
0397	Ingleside Quarr	No	Mod.-Low	No	Low	Minor	Low	—	—	None	C	
0398	Sixmile	Minor	Mod.-Low	Some	Mod.-Low	Significant	Mod.	—	—	None	I	1/2
0401	Confederate Gulch	Significant	Hi-Mod.	Some	Mod.-Low	Some	Hi-Mod.	No	Hi-Mod.	Elk/deer	I	1/1
0402	Hidden Hollow	No	Mod.-Low	No	Low	No	Mod.	—	—	Deer	C	
0403	Iverson (Broad. Co. Only)	Minor	Mod.	No	Low	Some	Low	Minor	Mod.	Deer	C	
0409	Rocky	No	Low	Significant	Mod.-Low	No	Low	No	Hi-Mod.	None	C	
0411	N. Sixmile	No	Mod.-Low	No	Low	Some	Low	—	—	None	C	
0414	Pole Gulch	Significant	Mod.	No	Mod.-Low	Significant	Hi-Mod.	Significant	Hi-Mod.	Elk	I	1/1
0419	Little Rocky CA	No	Mod.-Low	No	Mod.-Low	Minor	Hi-Mod.	No	Hi-Mod.	Deer/elk	C	
0423	Shadoan Sawmill	No	Mod.-Low	No	Low	Minor	Low	—	—	None	C	
0424	Greysun Creek	No	Mod.-Low	Minor	Low	Some	Mod.	Significant	Hi-Mod.	Elk/deer/fish	I	1/2
0425	Wall Mountain	No	Mod.-Low	No	Mod.-Low	No	Hi-Mod.	—	—	Elk calving	M	
0426	Lower Duck Cr.	No	Mod.-Low	No	Mod.-Low	No	Mod.	No	Hi-Mod.	None	M	
0427	Galt (T8N, R5E)	?	?	Some	Low	Some	Low	—	—	Antelope	C	
0429	Galt (T10N, R1E)	?	?	Some	Low	Some	Low	—	—	None	C	
0439	Klondike Claim	No	Low	No	Mod.-Low	No	Hi-Mod.	No	Hi-Mod.	Deer/elk	M	
0441	Spring Creek	No	Mod.-Low	No	Low	Minor	Low	No	?	None	C	
0442	Upper Dry Creek	No	Mod.-Low	No	Low	No	Low	—	—	None	C	
0445	Round Grove	No	Mod.-Low	No	Low	No	Low	—	—	None	C	
0446	Ray Creek	No	Mod.-Low	No	Low	No	Low	—	—	None	C	
0548	Cottonwood Gulch	No	Mod.-Low	No	Low	Minor	Low	—	—	None	C	
1018	Little Hellgate	No	Mod.-Low	No	Mod.-Low	No	Low	—	—	None	C	
1160	Deep Creek (USFS)	No data	?	Some	Mod.-Low	?	?	?	?	None	C	
3101	East Trident	No	Mod.-Low	No	Low	Minor	Low	—	—	None	C	
5400	W. Dexter Point	No	Low-None	No	Mod.	Minor	Mod.	—	—	Elk	C	
5402	CL&D Arthun	?	?	No	Low	Minor	Mod.	—	—	Sage gr.	M	

5410	Miner Creek	Minor	Low-None	No	Low	Minor	Mod.	Minor	Mod.	Moose	C	
5412	Gold Run Creek	Minor	Mod.-Low	Some	Mod.	Some	Mod.	Significant	Mod.	Elk/deer	I	1/2
5415	Bracket Creek GR	?	Unknown	No	Low	Minor	Low	—	—	Deer sp/su/fa	C	
5420	Suce Creek	Not feas.	Low-None	No	Low-Mod.	Minor	Mod.	—	—	Mule deer wt	C	
5421	North Fork	Not feas.	Low-None	No	Low	Minor	Low	—	—	Deer wt	C	
5430	Gaging Station	Not feas.	Low-None	No	Low	Minor	Low	—	—	Deer wt/sp	M	
5433	Sheep Creek	Minor	Mod.-Low	No	Low	Minor	Low	—	—	Elk wt/sp	C	
5436	Soldier Creek	Minor	Mod.-Low	No	Low	Minor	Low	—	—	None	C	
5442	Falls Creek	Minor	Mod.-Low	No	Low	Minor	Mod.	—	—	Mule deer wt	C	
5445	McAdows Canyon	Minor	Mod.-Low	No	Low	Minor	Mod.	Significant	Mod.	Fishing	M	
5447	North Fiddle Creek	Minor	Mod.-Low	No	Low	Minor	Low	—	—	Mule deer & sage gr. wt	C	
5452	Wineglass Mountain	Minor	Mod.-Low	No	Low	Minor	Low-Mod.	—	—	Deer/elk yl.	M	
5462	Ferry Creek	Minor	Mod.-Low	No	Low	Minor	Low	—	—	Deer wt/sp	C	
5469	Work Creek	Minor	Mod.-Low	No	Low	Minor	Low	—	—	None	C	
5472	Willow Creek	Minor	Mod.-Low	No	Low	Minor	Low	—	—	None	C	
5482	Duck Creek	Minor	Mod.-Low	No	Low	Minor	Low	Minor	Mod.	Fishing	C	
5487	Quinn Creek	Minor	Mod.-Low	No	Low	Minor	Low	Minor	Mod.	Deer/elk yl.	C	
5489	LV Quarter C	?	?	No	Low	Minor	Mod.	—	—	Deer/antl. wt	M	
5493	George E. Martin	Minor	Mod.-Low	No	Low	Minor	Low	—	—	Deer wt	M	
5496	Green Mountain	Minor	Mod.-Low	No	Low	Minor	Low	No	Mod.	Deer yl/B. sheep fa	M	
5497	Grizzly Creek	Minor	Mod.-Low	No	Low	Minor	High	—	—	Deer yl	C	
5505	Airport	Minor	Mod.-Low	No	Low	Minor	Mod.	—	—	Crucial antl. wt/sp	I	1/2
5506	Strickland Creek	Minor	Low-None	No	Low	Minor	Low	—	—	Deer/moose wt/sp	C	
5507	6 Mile	Minor	Mod.-Low	Some	Hi-Mod.	Significant	Mod.	—	—	Crucial elk wt/sp	M	
5508	Eagle Creek	Not feas.	Low-None	No	Low	Minor	Mod.	No	Mod.	Deer wt/moose yl	M	
5518	Wayne Peterson	Minor	Mod.-Low	No	Low	Minor	Mod.	—	—	Crucial deer wt.	C	
5519	Slaughterhouse	Minor	Mod.-Low	No	Low	Minor	Low-Mod.	No	Mod.	Elk/deer wt/sp	M	
5521	Locke Creek	Minor	Mod.-Low	No	Low	Minor	Mod.	No	Mod.	Deer/elk yl	C	
5526	Redfield Lake	No	Mod.-Low	No	Mod.	Minor	Mod.	No	Mod.	Deer wt/sp	C	
5529	Chuck Reid	Minor	Mod.-Low	No	Low	Minor	Mod.	No	High	Fishery	M	
5531	Ellis Basin	Minor	Mod.-Low	No	Low	Minor	Mod.	—	—	Crucial elk wt/sp	M	
5538	Yellowstone	Minor	Mod.-Low	No	Low	Minor	Hi-Mod.	No	Mod.	Crucial elk wt/sp waterfowl	C	
5539	South Fiddle Creek	Minor	Mod.-Low	No	Low	Minor	Low	—	—	None	C	
5551	Poison	Significant	Low	No	Low	Minor	Mod.-Low	—	—	Antelope wt	M	
5563	Donald Wood	Minor	Mod.-Low	No	Low	Minor	Low	No	Mod.	Fishery	M	
5575	Lower Mission C	Minor	Mod.-Low	No	Low-Mod.	Minor	Hi-Mod.	No	Hi-Mod.	Fishery	M	
5577	Hot Springs	Minor	Mod.-Low	No	Low	No	Mod.	—	—	None	C	
5579	Chadbourne	No	Mod.-Low	No	Low	Minor	Low	—	—	Antelope yl.	C	
5583	Carbella	Minor	Mod.-Low	No	Low	Significant	Mod.	Significant	Hi-Mod.	Elk wt/sp	M	
6303	Chicken Coulee	Minor	Hi-Mod.	No	Mod.	Minor	Hi-Mod.	Significant	Hi-Mod.	Griz., goat, deer, sheep	I	1/1
6304	Choteau Mtn.	Not feas.	Low	No	Mod.	Minor	Hi-Mod.	No	Hi-Mod.	Griz./deer	M	
6306	Cowtrack	No	Hi-Mod.	No	Mod.	Minor	Hi-Mod.	No	Hi-Mod.	Sheep/deer	M	
6307	East Front	Significant	Hi-Mod.	Significant	Hi-Mod.	Significant	Hi-Mod.	Significant	Hi-Mod.	Griz., deer, sheep, goat	I	1/1
6308	Sun River	Minor	Hi-Mod.	No	Low	Minor	Hi-Mod.	Minor	Hi-Mod.	Deer, sheep	M	
6312	Tunnel Lake	Significant	Mod.-Low	Minor	Low	Significant	Hi-Mod.	Significant	Hi-Mod.	Waterfowl	I	1/1
6313	Black Coulee	Not feas.	Mod.-Low	Not feas.	Low	Significant	Low	—	—	Grouse/antl.	C	
6315	Reservoir - (Teton Co. Pasture)	Not feas.	Mod.-Low	Not feas.	Low	Minor	Low	—	—	None	C	

TABLE M-1
RESOURCE CONDITIONS/CONFLICT

No.	Allotment Name	Change needed in veg. cond. &/or prod.	Potential of veg. to respond	Change needed in watershed conditions	Potential of watershed to respond	Change needed in wildlife hab. cond.	Potential of habitat to respond	Change needed in rip. area condition	Potential of rip. areas to respond	Special areas of concern	Tent. mgmt. categ.	Priority for proposed AMP allotment (wild./ran.)
6315	Reservoir - (L&CCo. Pasture)	Minor	Mod.-Low	—	—	Minor	Mod.	—	—	Antelope	M	
6316	Farmers Reserve	Not feas.	Mod.-Low	Not feas.	Low	Minor	Low	—	—	None	C	
6317	Freezeout West	Not feas.	Mod.-Low	Not feas.	Low	Minor	Mod.	—	—	Pheas./ sharptail	M	
6318	Anderson Coulee	Not feas.	Low	Not feas.	Low	Minor	Low	—	—	None	C	
6319	Roundup Coulee	Not feas.	Mod.-Low	Not feas.	Low	Significant	Hi-Mod.	—	—	Pheas./ sharptail	C	
6320	Waddel Lakes	Not feas.	Mod.-Low	Not feas.	Low	Significant	Hi-Mod.	Minor	Low	Waterfowl	C	
6321	Swift Dam	Not feas.	Mod.-Low	Not feas.	Low	Minor	Low	Minor	Low	None	C	
6322	East Birch Creek	Not feas.	Mod.-Low	Not feas.	Low	Minor	Low	Minor	Low	None	C	
6323	West Birch Creek	Not feas.	Low-Mod.	Not feas.	Low	Minor	Low	Minor	Low	None	C	
6324	Homesite	Not feas.	Mod.-Low	Not feas.	Low	Minor	Low	Minor	Low	None	C	
6326	South Canal Ditch	Minor	Low-Mod.	Not feas.	Low	Minor	Low	—	—	None	C	
6327	Sun River Ditch	Minor	Low-Mod.	Not feas.	Low	Minor	Low	—	—	None	C	
6328	Simms Creek	Minor	Mod.-Low	Not feas.	Low	Minor	Hi-Mod.	—	—	None	C	
6329	Blackfeet Gulch	Minor	Mod.-Low	Not feas.	Low	Minor	Low	—	—	None	C	
6330	Ryan Coulee	Minor	Mod.-Low	Not feas.	Low	Minor	Low	—	—	None	C	
6331	Lower Flat Creek	Minor	Mod.-Low	Minor	Low	Minor	Hi-Mod.	—	—	Deer/elk	C	
6332	Big Eddy	Minor	Mod.-Low	Minor	Low	Minor	Low	—	—	Sharptail gr.	C	
6334	Hardy Creek	Minor	Mod.-Low	No	Low	Minor	Low	—	—	Deer, elk	M	
6336	Hardy	Minor	Mod.-Low	Not feas.	Low	Minor	Low	—	—	Deer, elk	C	
6337	Tintinger Slough	Minor	Hi-Mod.	Not feas.	Low	Minor	Hi-Mod.	No	Mod.	Bald eagle	C	
6338	Upper Flat Creek	Minor	Mod.-Low	Not feas.	Low	Minor	Low	—	—	None	C	
7544	Big Gold Run Creek	Minor	Mod.-Low	No	Low	Minor	Hi-Mod.	Significant	Mod.	Crucial elk wt/sp	I	1/2
7577	Area Creek	Minor	Mod.	No	Hi-Mod.	Minor	Mod.	No	Mod.	Elk/deer yl	C	
7601	Little Creek	Not feas.	Low	No	Hi-Mod.	Minor	Mod.	Minor	Hi-Mod.	Deer	M	
7602	Rogers Creek	Not feas.	Low	No	Hi-Mod.	Minor	Hi-Mod.	Minor	Hi-Mod.	Elk	M	
7603	Middle Fork Dearborn	Not feas.	Low	No	Hi-Mod.	Significant	Mod.	Minor	Hi-Mod.	Grizzly	M	
7604	Rock Creek	Minor	Mod.-Low	No	Hi-Mod.	Minor	Low	—	—	Elk winter	C	
7605	Bean Lake	Minor	Low	No	Hi-Mod.	Minor	Hi-Mod.	Minor	Hi-Mod.	Griz., elk, deer	M	
7606	Dearborn River	Minor	Mod.-Low	No	Hi-Mod.	Minor	Hi-Mod.	Minor	Hi-Mod.	Grizzly	M	
7607	Roost Hill	Minor	Mod.-Low	No	Hi-Mod.	Minor	Hi-Mod.	Minor	Hi-Mod.	Grizzly, elk	M	
7608	Willow Creek	Not feas.	Mod.-Low	No	Hi-Mod.	Minor	Hi-Mod.	—	—	None	C	
7609	Black Reef	Minor	Hi-Mod.	No	Low	Significant	Hi-Mod.	Significant	Hi-Mod.	Waterfowl	I	1/1
7610	Pothole	Not feas.	Low-None	No	Hi-Mod.	Significant	Hi-Mod.	Significant	Hi-Mod.	Waterfowl	I	1/2
7612	Willow Creek Canal (L&C Co. Pasture)	Minor	Hi-Mod.	No	Low	Significant	Hi-Mod.	Minor	Hi-Mod	Mule deer	I	1/2
7612	Willow Creek Canal (Teton Co. Pasture)	Not feas.	Mod.-Low	—	—	Minor	Hi-Mod.	Minor	Hi-Mod	None	C	
7613	Alkali Flat (L&C Co. Pasture)	Significant	Hi-Mod.	No	Low	Significant	Hi-Mod.	—	—	Deer	I	1/1
7613	Alkali Flat (Teton Co. Pasture)	Minor	Hi-Mod.	Not feas.	Mod.	Significant	Hi-Mod.	Minor	Hi-Mod	B. sheep/ deer	I	1/2
7614	Florence Canal	Not feas.	Hi-Mod.	No	Low	Minor	Low	—	—	None	C	
7659	Indian Head Rock	Not feas.	Low-None	Not feas.	Low	Minor	Low	No	Hi-Mod.	Grizzly	C	
7671	Andy Creek	Minor	Mod.-Low	Minor	Low	Minor	Hi-Mod.	Minor	Mod.	Deer, elk	M	
7701	Cox Creek (Cascade Co. Pasture)	Not feas.	Low-None	Not feas.	Low	Minor	Low	—	—	None	C	
7701	Cox Creek (L&C Co. Pasture)	Not feas.	Low	—	—	Minor	Low	—	—	Deer	C	

7702	Stickney Creek	Not feas.	Low	—	—	Minor	Low	—	—	Deer	C	
7703	Holter Lake	Minor	Mod.-Low	No	Hi-Mod.	Minor	Low	—	—	None	C	
7704	Oxbow (includes Towhead Gulch)	Significant	Mod.-Low	No	Hi-Mod.	Significant	Hi-Mod.	Significant	Mod.	Sheep, elk, deer, bear	I	1/1
7705	Sheep Creek	Significant	Mod.-Low	No	Hi-Mod.	Minor	Low	Minor	Hi-Mod.	Deer	M	
7706	Burke Creek	No	Low	No	Low	—	—	—	—	—	C	
7707	Spring Gulch	Not feas.	Low	No	Hi-Mod.	Significant	Mod.	—	—	Elk, deer	M	
7709	Sieben Ranch	Minor	Mod.-Low	No	Hi-Mod.	Significant	Hi-Mod.	Significant	Hi-Mod.	Deer, elk	M	
7710	Hilger Hills	Minor	Mod.-Low	No	Hi-Mod.	Minor	Hi-Mod.	Minor	Mod.-Low	Deer, fishery	M	
7711	Prickly Pear Peak	Significant	Mod.-Low	—	—	Minor	Low	—	—	Fishery, bald eagle	M	
7713	Danas Bar	Significant	Mod.-Low	No	Low	Significant	Mod.	—	—	Deer	I	1/1
7714	Mt. Bend-Powerline	Minor	Mod.-Low	—	—	Significant	Mod.	—	—	Deer	I	1/2
7715	Centennial Gulch	Significant	Hi-Mod.	—	—	Significant	Mod.	Minor	Low	Turkey, deer	I	1/1
7716	Cottonwood Creek	Minor	Mod.-Low	—	—	Minor	Low	Minor	Low	Elk	C	
7718	Wickiup Creek	Minor	Hi-Mod.	—	—	Significant	Hi-Mod.	Significant	Hi-Mod.	Elk, deer	I	1/2
7719	Sheriff Gulch	Minor	Mod.-Low	No	Hi-Mod.	Significant	Mod.	—	—	Deer, elk	I	1/2
7720	Spokane Hills	No	Mod.	Significant	Mod.	No	Hi-Mod.	—	—	Osprey	M	
7762	Toms Gulch	Minor	Low	No	Low	Minor	Low	—	—	None	M	
7775	Willow Creek	Minor	Low	No	Low	Minor	Hi-Mod.	Minor	Hi-Mod.	Deer, elk	M	
7801	Deer Creek	Minor	Mod.-Low	—	—	Minor	Low	—	—	None	C	
7802	Virginia Creek	Minor	Mod.-Low	No	Hi-Mod.	Minor	Mod.	Minor	Hi-Mod.	Deer, elk, fish	M	
7803	Deadman	Minor	Mod.	No	Low	—	—	—	—	Noxious weeds	I	2/2
7804	Empire Creek	Significant	Hi-Mod.	No	Hi-Mod.	Significant	Mod.	Significant	Hi-Mod.	Deer, grouse, riparian	I	1/1
7805	Gravelly Range Lake	Not feas.	Mod.-Low	—	—	Minor	Mod.	—	—	Elk, deer	C	
7806	Ogilvie Gulch	Significant	Hi-Mod.	No	Hi-Mod.	Significant	Mod.	Significant	Mod.	Deer, elk	I	1/1
7807	Beartrap Gulch	Not feas.	Low	No	Hi-Mod.	Minor	Low	—	—	Deer/elk	C	
7808	Lost Horse Creek	Minor	Mod.-Low	Significant	Hi-Mod.	Significant	Mod.	Minor	Mod.	Elk	I	1/2
7809	Gloster	Significant	Mod.-Low	—	—	Significant	Mod.	Significant	Mod.	Elk, deer	I	1/1
7810	Edwards Mountain	Significant	Hi-Mod.	No	Low	Significant	Mod.	—	—	Deer, elk	I	1/1
7811	Drumlummon-Skelly	Minor	Hi-Mod.	No	Low	Significant	Mod.	Significant	Hi-Mod.	Deer, elk	I	1/2
7813	Marysville	Significant	Hi-Mod.	No	Hi-Mod.	Minor	Hi-Mod.	Significant	Hi-Mod.	Grouse, riparian	I	1/1
7814	Park Gulch	Minor	Mod.-Low	—	—	Minor	Hi-Mod.	—	—	None	C	
7815	Willit Ridge	Not feas.	Low	—	—	Minor	Low	—	—	None	C	
7816	St. Louis Gulch	Minor	Mod.-Low	—	—	Minor	Low	—	—	None	M	
7817	Spring Gulch	Minor	Mod.-Low	—	—	Minor	Low	—	—	None	C	
7818	Skelly Gulch	Minor	Mod.	Significant	Low	Some	Hi-Mod.	Mod.	Hi-Mod.	Deer	I	2/2
7819	Iron Ridge	Minor	Mod.-Low	—	—	Minor	Low	—	—	None	C	
7820	Greenhorn Gulch	Minor	Mod.-Low	—	—	Minor	Low	—	—	None	C	
7821	War Eagle Hill	Minor	Mod.-Low	—	—	Minor	Low	—	—	None	M	
7822	Iowa Gulch	Minor	Mod.-Low	No	Low	Minor	Mod.	—	—	Antelope	I	1/2
7823	Iron Siding	Significant	Mod.	No	Hi-Mod.	Some	Mod.	—	—	Antelope	I	1/1
7824	Granite Creek	Significant	Mod.	Significant	Mod.-Hi	Some	Mod.	—	—	Deer	I	1/2
7825	Dog Creek	Minor	Mod.-Low	—	—	?	?	?	?	?	C	
7826	Ten Mile Creek	Not feas.	Mod.-Low	—	—	Minor	Low	—	—	Deer	C	
7827	Blue Cloud	Significant	Mod.	Significant	Low	Significant	Mod.	Significant	Mod.	Antelope, deer	I	1/1
7828	Sevenmile	Not feas.	Low	—	—	No	Low	—	—	None	C	
7829	Colorado Gulch	Minor	Mod.-Low	—	—	Some	Mod.	—	—	Elk	C	
7830	East Scratchgravel	Minor	Mod.-Low	Significant	Low	Minor	Mod.	—	—	None	M	
7831	Ford Coulee	Minor	Mod.-Low	No	Low	Minor	Low	—	—	None	C	
7832	Tiger Butte	Not feas.	Low-None	No	Low	Minor	Low	—	—	Deer	C	
7833	West Jackson Creek	Minor	Low	No	Mod.	Minor	Low	Minor	Mod.-High	None	C	
7940	Delmoe	Minor	Mod.	No	Low	No	Low	—	—	None	C	
7948	Toston	Not feas.	Low	No	Low	Minor	High	Minor	High	Bald eagle	C	
7958	Noel	No data	No data	No	Low	Minor	Mod.	—	—	None	C	
7959	Buffalo Hump	No	Mod.-Low	Some	Mod.	Minor	Mod.	Significant	Hi	Trout fishery	I	1/2
7960	Whitetail Creek	Significant	Mod.-Low	Some	Low	Significant	Mod.	Significant	Mod.	Elk, deer, antl.	I	1/1
7961	Mills	Some	Low	No	Low	No	Low	—	—	None	C	

TABLE M-1
RESOURCE CONDITIONS / CONFLICT

No.	Allotment Name	Change needed in veg. cond. &/or prod.	Potential of veg. to respond	Change needed in watershed conditions	Potential of watershed to respond	Change needed in wildlife hab. cond.	Potential of habitat to respond	Change needed in rip. area condition	Potential of rip. areas to respond	Special areas of concern	Tent. mgmt. categ.	Priority for proposed AMP allotment (wild./ran.)
9651	Smith River	Minor	Mod.-Low	No	Low	Minor	Low	—	Hi-Mod.	Bald eagle, deer, elk	M	
9655	So. Fork Sheep Cr.	Minor	Low	No	Low	Minor	Hi-Mod.	Minor	Hi-Mod.	Deer, fishery	M	
9660	Divide Creek	Significant	Mod.	No	Low	Significant	Mod.	Significant	Mod.	Upland game	I	1/1
9663	Coyote Creek	?	?	No	Low	Minor	Mod.	No	Mod.	Deer, elk	M	
9671	Gipsy Creek	?	?	No	Low	Minor	Mod.	No	Mod.	Moose yl	C	
9672	Eagle Creek	?	?	No	Low	Minor	Mod.	Significant	Mod.	None	I	1/2
9674	No. Fork Musselshell	?	?	No	Low	Minor	Mod.	No	Mod.	None	M	
9675	Daisy Dean Creek	?	?	No	Low	Minor	Mod.	Significant	Mod.	None	C	
9676	Trout Creek	Minor	Mod.-Low	No	Low	Minor	Hi-Mod.	No	Hi-Mod.	Bald eagle, mule deer	C	
9677	Lower Smith River	Minor	Mod.-Low	No	Low	Minor	Hi-Mod.	No	Hi-Mod.	Deer, elk, bald eagle	C	
9688	Crooked Creek	?	?	No	Low	Minor	Mod.	Significant	Mod.	None	C	
9690	Sixteen	?	?	No	Low	Minor	Low	—	—	None	C	
9697	West Fork Mud Creek	?	?	No	Low	Minor	Mod.	—	—	None	M	
9698	Smith Creek	Significant	Mod.	Mod.	Low	Minor	High	Significant	Mod.	Fishery	I	1/1
9699	So. Fork Smith	?	?	No	Low	Some	Mod.	Significant	Mod.	Deer wt	M	
9704	Middle Creek	Minor	Mod.-Low	No	Low	Minor	Low	Significant	Low	Elk	M	
9708	Little Elk Creek	?	?	No	Low	Significant	Mod.	Significant	Mod.	Riparian	I	2/2
9709	Devil Canyon	Minor	Mod.-Low	No	Low	Minor	Low	—	—	Deer	C	
9710	Belt Creek	Minor	Mod.-Low	Minor	Low	Minor	Hi-Mod.	—	—	Elk, deer	M	
9715	Ming Coulee	Minor	Low-None	No	Low	Minor	Low	—	—	Deer	C	
9722	Monarch	Minor	Mod.-Low	No	Low	Minor	Low	—	—	Deer	C	
9723	Black Butte	Minor	Hi-Mod.	No	Low	Minor	Hi-Mod.	—	—	Elk, deer	M	
9726	No. Fork Sheep Creek	Minor	Mod.-Low	No	Low	Minor	Low	No	High	Mule deer	M	
9728	Deer Creek	?	?	No	Low	Minor	Low	—	—	None	C	
9732	Little Sulphur Creek	Minor	Mod.-Low	No	Low	Minor	Low	—	—	None	C	
9733	Martinsdale	Minor	Mod.-Low	No	Low	Minor	Mod.	—	—	Deer wt/sp	C	
9735	Holliday L&L	Minor	Mod.-Low	No	Low	Minor	Low	—	—	None	C	
9739	Cottonwood Creek	Minor	Mod.-Low	No	Low	Minor	Mod.	—	—	Deer/sage grouse wt/sp	M	
9743	Johnston	Minor	Mod.-Low	No	Low	Significant	Mod.	Significant	Mod.	Wild turkey/ deer/elk, wt/sp	I	1/2
9747	Hound	Minor	Mod.-Low	—	—	Significant	Hi-Mod.	—	—	Elk	I	1/2
9758	Footstool Butte	Minor	Mod.-Low	No	Low	Minor	Mod.	Minor	Mod.	Deer/elk wt/sp	M	
9780	W. Fork Hound Creek	Minor	Low-None	Minor	Low	Minor	Low	—	—	Mule deer/elk	C	
9800	Elk Creek	Minor	Mod.-Low	No	Low	Minor	Low	—	—	None	C	
9801	Rhynard Ind.	Minor	Mod.-Low	Not feas.	Low	Minor	Low	—	—	None	C	
9804	Sheep Creek	Minor	Mod.-Low	Not feas.	Low	Minor	Low	—	—	None	C	
9806	Water Tank Smith River	Minor	Mod.-Low	No	Mod.	Minor	Hi-Mod.	—	—	Elk/deer	M	
9810	71 Ind.	Minor	Mod.-Low	No	Low	Minor	Hi-Mod.	Minor	High	Riparian	M	
9812	Bird Creek	Minor	Mod.-Low	No	Low	Minor	Low	—	—	Elk	C	
9814	Battle Creek	Minor	Mod.-Low	No	Low	Minor	Mod.	Minor	Mod.	Sage grouse wt	M	
9818	Windy Hollow	Minor	Mod.-Low	No	Mod.	Minor	High-Mod.	?	?	Deer & elk	M	
9820	Sand Coulee	Minor	Low-None	No	Low	Minor	Low	—	—	Deer	C	
9822	Goat Mountain	Minor	Mod.-Low	Significant	Hi-Mod.	Significant	Hi-Mod.	Minor	Mod.	Elk/deer	M	
9823	Smith River North	Minor	Low-None	No	Mod.	Minor	Low	?	?	Bald eagle	M	
9836	Lower Sand Coulee	Minor	Mod.-Low	No	Low	Minor	Low	—	—	Deer	M	
9846	Bozeman Fork	Minor	Mod.-Low	No	Low	Minor	Low	Minor	Mod.	Deer wt	C	

9849	Black Canyon	Minor	Mod.-Low	Significant	Low	Significant	Low	Minor	Mod.	Deer yl	M
9851	Morris Creek	Minor	Mod.-Low	No	Low	Minor	Low	Minor	Mod.	Elk/deer wt	C
9857	Smith River	Minor	Mod.-Low	No	Low	Minor	Mod.	No	Mod.	Riparian	M
9859	N. Lake Sutherlin	Minor	Mod.-Low	No	Low	Minor	Mod.	No	Mod.	Sage grouse	M

TABLE M-2

PROBLEMS, OPPORTUNITIES AND OBJECTIVES FOR GRAZING MANAGEMENT

Situation	Management Action
Grazing season and selective grazing habits of different kinds of livestock can reduce the quality and quantity of vegetation produced by a plant community.	Change the season of use and/or the class or kind of livestock.
	Implement rotational grazing systems that will provide for plant maintenance requirements.
Livestock use can be poorly distributed within an allotment or pasture. This can result in heavy utilization of some sites while others may receive little or no grazing use.	Develop new sources of water to distribute livestock more evenly.
	Construct drift fences to alter traditional grazing patterns.
	Specify placement of salt and mineral supplements.
	Require herding of livestock.
	Authorize the class or kind of livestock that will best utilize the allotment.
Current levels of livestock use may exceed the carrying capacity of an allotment.	Monitor actual livestock use and resulting levels of utilization to determine the proper carrying capacity.
Some sites that are now producing a quality and quantity of forage well below their potential have a poor potential to respond to changes in grazing management alone.	Restore productivity of these sites through mechanical treatment and/or seeding with native species or well-adapted introduced species.
Investments in range improvements needed to implement changes in grazing management often do not have favorable benefit/cost ratios.	Solicit contributions from range users and other parties benefiting from changed grazing management.
	Design grazing management systems that require a minimum investment in range improvements, but will meet the stated objectives.
Plant and animal pests can adversely affect livestock and vegetative productivity.	In cooperation with other affected land owners, take actions to control concentrations of pests.