Appendix 15

Livestock Grazing Management Best Management Practices and Design Features and Supplemental Information This page intentionally left blank.

Appendix 15. Livestock Grazing Management Best Management Practices and Design Features and Supplemental Information

15.1 LIVESTOCK GRAZING MANAGEMENT BEST MANAGEMENT PRACTICES AND DESIGN FEATURES

The following measures best management practices (BMP) provide a list of strategies, practices, or design features to be considered during implementation of the RMP. These measures are not required in every instance but are useful to aid in proper livestock grazing management in GRSG habitats. The applicability and overall effectiveness of each BMP cannot be fully assessed until the project level when the project location and design are known. Because of site-specific circumstances, some BMPs may not apply to some projects (e.g., a resource is not present on a given site) and/or may require slight variations. For example, variations could be required for the following reasons:

- A specific BMP is documented to not be applicable to the site-specific conditions of the project/activity. Economic considerations, such as increased costs, do not necessarily require that an RDF be varied or rendered inapplicable.
- An alternative BMP, a state-implemented conservation measure, or plan-level protection is determined to provide equal or better protection for GRSG or its habitat.
- A specific BMP will not avoid or minimize impacts to GRSG or its habitat.

15.1.1 Coordination

43 CFR 4100 regulations direct BLM to consult, cooperate and coordinate with affected grazing permittees, the state having lands or responsible for managing resources within the area, and the interested public when engaging in program work such as changes in permitted use, Allotment Management Plans, Range Improvements, issuance and/or modification of a grazing authorization. The BLM coordinates with Federal, State, county, Indian tribal and local governmental entities, institutions, organizations, corporations, associations, and individuals when authorizing grazing on BLM lands. In GRSG habitat management areas, these communication efforts should include coordination on how livestock grazing practices could be managed across both BLM-administered lands and non-BLM-administered lands, in partnership with interested permittees and lessees, to improve GRSG habitat conditions.

15.1.2 Best Management Practices for Livestock Grazing Management

Set priorities for grazing management activities (e.g., monitoring, authorization renewals, field checks, etc.) following direction in agency policy, including IM 2018-024 as amended or superseded. When considering competing priorities in GRSG habitat, considerations should include level of management priority (priority vs general habitat management areas) and focusing on areas where current livestock grazing management is a significant causal factor to not meeting or making significant progress towards meeting the special status species (SSS) land health standard, and those containing riparian areas, including wet meadows. Other criteria for prioritization can include the need to respond to urgent natural resource concerns (e.g., fire) and legal obligations.

- When current livestock management practices are determined to not be meeting or making
 progress towards meeting the SSS land health standard (following appropriate consultation,
 cooperation and coordination, consistent with BLM Handbook H-4180-1), implement changes in
 grazing management through grazing authorization modifications, or allotment management plan
 implementation. Potential modifications, either within the existing terms and conditions or
 considered as additional alternatives in grazing authorization NEPA analysis as a threshold/response,
 (not presented in any priority order) could include, but are not limited to, changes in:
 - Season or timing of use;
 - Numbers of livestock;
 - Distribution of livestock use;
 - Duration and/or level of use;
 - Kind of livestock (e.g., cattle, sheep, horses, or goats) (Briske et al. 2011); and
 - Range improvements.
- Locate supplements (salt, mineral, protein, etc.) away from water sources, meadows, riparian areas, swales, and GRSG leks in locations that increase livestock distribution unless effective control of livestock to avoid detrimental impairment of any riparian area or GRSG habitats can be ensured.
- When using salt or mineral supplements, place them outside intact sagebrush stands to reduce impacts to GRSG breeding habitat. For example, place supplements in existing disturbed sites, areas with reduced sagebrush cover, to reduce impacts on GRSG breeding habitat; where feasible use salts or mineral supplements to improve management of livestock for the benefit of GRSG habitat.
- During the lekking season, encourage minimal vehicle use and maintenance activities associated with livestock management during lekking hours (before 9 am and after 6 pm) within 0.6 miles of a lek.
- To decrease attracting predators or decreasing water quality, whenever found and wherever possible, remove dead livestock from public land and dispose of in ways that do not shift the impact to non-public land. If it is not possible to entirely remove livestock carcasses, they should, at a minimum, be removed from riparian areas and water sources.
- In PHMA, IHMA (in Idaho), and GHMA, areas that have received vegetation treatments should be
 rested from livestock grazing until resource monitoring data verifies the treatment objectives specific
 to the purposes of the treatment are being met and an appropriate grazing regime has been
 developed. Examples of vegetation treatments include seedings, hazardous fuels reduction
 treatments, emergency stabilization and rehabilitation efforts.
- Avoid disturbing lekking and roosting GRSG from human, guard animal, and sheep activities by trailing, overnighting, watering, and bedding sheep on public lands at least 0.6 miles from occupied leks (dates of lek activity determined locally, approximately March 15–May I in lower elevations and March 25–May I5 in higher elevations).
- When trailing livestock during the lekking or nesting season, use roads or existing trails, to the extent possible.
- When available, use GRSG habitat use-pattern mapping or habitat monitoring to strategically adjust livestock distribution to benefit occupied GRSG breeding habitat, include herding, salting, and water-source management (e.g., turning troughs/pipelines on/off and extending pipelines/moving troughs) in grazing programs.
- Ensure that permittees are informed of management and movement requirements related to avoiding recent burns, habitat rehabilitation, or other restoration sites.
- Identify and, when feasible, establish strategically located forage reserves, focusing on areas where restoration to GRSG habitat is unlikely or lower priority habitat restoration areas.

15.1.3 Design Features for Range Developments

- When installing new range improvement projects in PHMA/IHMA, avoid construction during the applicable seasonal use periods associated with lekking, nesting, or brood rearing seasonal habitats (March I July 15, or as identified for local variability in coordination with the state wildlife agency or other appropriate agency with management expertise and authority).
- Use temporary range infrastructure, such as troughs, fences, and supplements, where feasible and appropriate, to meet management objectives.
- Install shutoff valves at spring sources and troughs. Unless needed for wildlife habitat or water, ensure shutoff valves are closed and troughs are drained when livestock are not utilizing the pasture, as consistent with the water laws of the State within which the land is located.
- Install lids on spring collection boxes.
- Limit structures taller than adjacent vegetation and existing structures that could provide perching opportunities for avian predators. Where they are necessary, place them near taller natural features or partially/entirely bury them if possible.
- Install floats in troughs to prevent overflow and keep water at spring sources, as consistent with the water laws of the State within which the land is located.
- Ensure that new and existing livestock troughs and open water storage tanks are fitted with ramps to facilitate the use of and escape from troughs by GRSG and other wildlife; do not use unsecured, unstable, or ineffective items such as floating boards or similar objects.
- Locate troughs outside meadows, swales, and riparian areas.
- Design new water developments to maintain hydrologic function of spring sources, water courses and associated riparian habitat, as consistent with the water laws of the State within which the land is located.
- Consider virtual fencing opportunities, as appropriate.
- To minimize risk of noxious or invasive plant spread, require all heavy equipment used in construction of range improvements to be thoroughly cleaned of all soil and plant material prior to entering public lands.
- To minimize livestock concentration impacts on nesting and early brood rearing sage-grouse, locate new livestock handling facilities (such as corrals) away from active leks and outside of nesting habitat at least by 1.2 miles (Manier et al., 2014).
- Identify and close roads and trails that are not needed for range development maintenance.
- Where livestock handling and/or watering facilities result in lowering the downstream water table and dewatering of wet meadows or mesic habitat, relocate or remove these facilities when doing so will halt or reverse the dewatering, consistent with applicable laws.
- Design new and maintain existing water projects to avoid standing pools of shallow water that could spread West Nile Virus.

15.1.4 Drought Response

- When completing a fully processed grazing authorization in GRSG habitat, incorporate strategies for livestock management during drought conditions.
- During drought conditions use a recognized drought indicator, such as the Drought Monitor, Vegetation Drought Response Index, or Palmer Drought Severity Index, to determine when abnormally dry or drought conditions are developing, present, or easing. When such conditions are developing or present:
 - Conduct pre-season assessments prior to livestock turn out.

- Monitor vegetation conditions during authorized livestock use periods to determine need for early removal and/or other changes to meet seasonal RMP objectives.
- During drought periods, prioritize evaluating effects of drought in PHMA relative to GRSG needs for food and cover (including riparian areas); ensure that post-drought management allows for vegetation recovery, based on ecological potential, that meets GRSG needs in priority GRSG habitat areas. Where ESDs or STMs are lacking for an area, the best available information to achieve the GRSG needs should be used.
- If livestock grazing is deferred due to drought, reevaluate vegetation and GRSG habitat indicators that measure GRSG habitat prior to reauthorization of grazing.

15.1.5 From the BLM National Sage-Grouse Habitat Conservation Strategy of 2004

- Use prescriptive livestock grazing, where appropriate, to reduce annual grass production and the spread of wildfire into sagebrush communities. Timing of grazing and effects on residual native plants need to be carefully evaluated.
- Use grazing practices that promote the growth and persistence of native shrubs, grasses and forbs needed by sage-grouse for seasonal food and concealment. Grazing practices include changing season of use, numbers of livestock, grazing intensity, distribution of livestock use, and type of livestock (sheep, cattle or horses). Altering season of grazing may help to favor perennial plants in areas where native perennials and cheatgrass occur together in the plant community. Vegetation structure (height) should be managed so as to provide adequate cover for sage-grouse during the nesting period.
- Coordinate with state wildlife agencies where concentrations of grazing wildlife detrimentally affects sage-grouse habitat quality.
- Maintain seeps, springs, wet meadows, and riparian vegetation in a functional and diverse condition for young sage-grouse and other species that depend on forbs and insects associated with these areas. Consider fencing if vegetation associated with these wet areas cannot be maintained with current livestock, wildlife or wild horse and burro use and the impacts of the fence are outweighed by the improved habitat quality.
- Where other grazing management options are not achieving, or cannot achieve, the desired objectives, a short-term option may be livestock exclusion. Temporary exclusion can provide the plant community the opportunity to progress toward a point where grazing can again be reintroduced once desired conditions are reached. Removing livestock may not reverse the condition of severely altered habitats and often must be combined with reseeding and other rehabilitation methods to restore appropriate sagebrush habitat.

15.1.6 Nevada Specific BMPs

If results from the GRSG Habitat Assessment Framework indicate that GRSG habitat benchmarks are found to be un-suitable, and the land health evaluation results in a finding that Standards are not met or progress made towards meeting, and the determination concludes that current livestock grazing is a causal factor, and until appropriate modifications are incorporated through the grazing authorization renewal process, the following management strategies could be considered that may include, but are not limited to, the following, with considerations to site specific seasonal date restrictions:

- Provide periods of rest or deferment during critical growth periods of key vegetation species
- Manage grazing duration and intensity to allow plant growth sufficient to meet or make progress towards meeting GRSG habitat objectives (**Table 2-2**)

- Employ herd management techniques to minimize impacts of livestock on breeding, nesting, and brood-rearing habitat during the breeding season (March I to June 30; Lek—March I to May 15, and Nesting—April I to June 30)
- Consider any temporary projects that can avoid, minimize, or mitigate livestock impacts (e.g., temporary fencing or temporary water hauling locations;
- To prevent impacts to nesting GRSG, work with permittees to avoid concentrated turn-out locations for livestock within 4 miles of active and pending leks from March I to June 30 with consideration of quality of site-specific habitat, current bird activity, probability of sage-grouse nesting within the radius area, and duration intensity of the use.
- Avoid domestic sheep use and bedding areas and herder camps within 2 miles of active and pending leks from March 1 to June 30
- Utilizing land features and roads on maps provided to the permittee to help delineate livestock use avoidance areas

15.2 SUPPLEMENTAL INFORMATION: ACTION ALTERNATIVES ADDRESSING LIVESTOCK GRAZING

The USFWS 2013 Greater Sage-grouse (Centrocercus urophasianus) Conservation Objectives: Final Report (COT Report) notes that "livestock grazing is the most widespread type of land use across the sagebrush biome and almost all sagebrush areas are managed for livestock grazing" (USFWS 2013). The COT Report also includes tables that characterize threats to GRSG by population throughout its range (see COT Report, Table 2, pages 16 through 29). One of the threats assessed included grazing, with the report noting the threats from improper livestock grazing varied by population from "present and widespread," to "present but localized," and "not known to be present."

To address the threat of improper livestock grazing, the COT Report recommended a conservation objective to "conduct grazing management...in a manner consistent with local ecological conditions that maintains or restores healthy sagebrush shrub and native perennial grass and forb communities and conserves the essential habitat components for sage-grouse (e.g. shrub cover, nesting cover)" (COT Report, page 45). It goes on to note that "areas which do not currently meet this standard should be managed to restore these components." It concludes that "livestock...numbers must be managed at levels that allow native sagebrush vegetative communities to minimally achieve Proper Functioning Conditions (PFC; for riparian areas) or Rangeland Health Standards (RHS; uplands). The specific management (e.g., type of livestock, numbers, seasons, rotation, etc.) will depend on the local ecological factors and current condition of land health. The COT Report also recommends a conservation objective for range management structures ("avoid or reduce the impact of range management structures on sage-grouse"), and fences ("minimize the impact of fences on sage-grouse populations").

As part of this planning effort livestock/range management actions were reviewed to determine which specifically address COT objectives. The prior GRSG plan amendment efforts included several management actions in the livestock grazing section that are addressed in existing agency regulations, policies, or that are duplicative of management actions in other sections of the ARMPA or the original RMPs. Since these actions would continue to be implemented whether they appear in the RMP, they are being considered for removal in Alternatives 4, 5, and 6. Further, most of these actions address management on livestock grazing in general, rather than focusing on conducting livestock grazing in a manner that reduces the potential for improper livestock grazing. Finally, some of the management actions did not contain specific direction, but provided a series of suggestions of what kind of activities or adjustments may be considered during future grazing

management decisions, with specific decisions deferred to the implementation level. Alternatives 4, 5, and 6 consolidate the livestock grazing decisions to focus on conducting livestock grazing in a manner that would reduce the potential for improper livestock grazing in GRSG habitat and relocate or remove actions that are not required to be in the RMP to implement.

The following table compares livestock grazing management actions from each of the BLM amendment efforts from 2015, with changes made in 2019 (if applicable) displayed in strike-out (for deletions) or underlines (for additions). The right-hand column identifies a summary statement for the row, with similar concepts between the states grouped. The column also identifies whether the concepts in the row are addressed by management in Alternatives 4 and 5 in Chapter 2, whether the concept was retained as a livestock grazing best management practices, or if it is proposed to not be carried forward in this planning process.

			2019 Amendr	ments/Revisions			
Colorado	Idaho	Montana/Dakotas	Nevada/California	Oregon	Utah	Wyoming	NOTES
Objective RM-1: GRSG —		North Dakota	Objective LG I: Manage	Objective LG I: Manage	—	—	Summary statement:
objectives and well-managed		Management Direction LG-	permitted livestock grazing to	livestock grazing to maintain or			 Manage grazing to achieve
livestock operations are		1.3: Within PHMA,	maintain and/or enhance	improve Greater Sage-grouse			GRSG habitat/objectives
compatible because forage		incorporate GRSG habitat	PHMAs and GHMAs to meet	habitat by achieving Standards for			and/or land health standard
availability for livestock and		objectives and management	or make progress towards	Rangeland Health (SRH).			 Avoid direct adverse GRSG
hiding cover for GRSG are		considerations into all BLM	meeting all GRSG life-cycle				impacts from range
both dependent on healthy		grazing allotments through	requirements and habitat				infrastructure
plant communities. Agreements		AMP or permit renewals.	objectives (Table 2-2), based				
with partners that promote		Develop standards with State	on site potential.				Applicability for RMPs?
sustainable GRSG populations		of North Dakota and USFWS.					There is a regulatory
concurrent with sustainable							requirement to achieve land
ranch operations offer long-							health standards (4180), and it
term stability. In the context of							is a common objective/desired
sustainable range operations,							condition for public lands. In
manage the range program to:							this effort, we want to focus
I) maintain or enhance							on an objective specific to
vigorous and productive plant							maintaining/improving GRSG
communities; 2) maintain							habitat. This concept is
residual herbaceous cover to							included in chapter 2 in
reduce predation during GRSG							Objective RM-1.
nesting and early brood-							
rearing; 3) avoid direct adverse							
impacts to GRSG-associated							
range project infrastructure;							
and 4) employ grazing							
management strategies that							
avoid concentrating animals on							
key GRSG habitats during key							
seasons.							

			2019 Amend	ments/Revisions			
Colorado	Idaho	Montana/Dakotas	Nevada/California	Oregon	Utah	Wyoming	NOTES
	MD LG I: Maintain existing	Dillon MD LG I: Maintain		Objective LG 2: On BLM-	MA-LG-1: PHMA and		Summary statement:
	areas designated as available or	existing areas designated as		managed lands, 12, 083<u>105</u>,622<u>581</u>	GHMA will be available for		 Available/unavailable
	unavailable for livestock	available or unavailable for		acres will continue to be available	livestock grazing (Figure 2-		allocation decision.
	grazing. Existing active AUMs	livestock grazing. Existing active		for livestock grazing in Greater	3, Livestock Grazing		
	for livestock grazing within the	AUMs for livestock grazing		Sage-grouse habitat. Table 2-6 is	[Appendix A]). Active		Applicability for RMPs?
	planning area will not be	within the planning area will		no longer applicable and is	animal unit months (AUMs)		One of the primary decisions
	changed at the broad scale,	not be changed at the broad		therefore deletedIn key RNAs,	for livestock grazing will be		an RMP is supposed to make
	though the number of AUMs	scale, though the number of		22,765 acres will be unavailable to	329,521 on BLM lands.		is whether a given area is
	available on an allotment may	AUMs available on an allotment		livestock grazing. See Table 2-6,	Make adjustments to		available for livestock grazing.
	be adjusted based on site-	may be adjusted based on site-		Key ACECs and RNAs for	permitted AUMs consistent		Included in chapter 2 as
	specific conditions to meet	specific conditions to meet		ARMPA.	with regulation and the		Management Action RM-1.
	management objectives during	management objectives during			remaining grazing direction.		5
	term permit renewals, AMP	term permit renewals, AMP		MD LG I is deleted.	In addition, on an annual		
	development, or other	development, or other		Livestock grazing management in	basis livestock numbers and		
	appropriate implementation	appropriate implementation		the 13 key RNAs returns to being	the season of use can be		
	planning. Additionally,	planning. Additionally,		governed by applicable district	adjusted within the terms		
	temporary adjustments can be	temporary adjustments can be		RMPs as amended by the 2015	and conditions of the		
	made annually to livestock	made annually to livestock		Oregon Greater Sage-Grouse	permit.		
		numbers, the number of AUMs,		ROD/ARMPA goals, objectives,	F		
	and season of use in	and season of use in		and	Make adjustments to		
	accordance with applicable	accordance with applicable		management decisions. MD LG I:	permitted use and annual		
	regulations.	regulations.		All or portions of key RNAs will	adjustments to levels of		
		Lewistown Action LG-1.2:		be unavailable to grazing (Table 2-	livestock use consistent		
		The area will remain available		6). Determine whether to remove	with regulation and the		
		for livestock grazing.		fences, corrals, or water storage	direction identified below		
		for investocit grazing.		facilities (e.g. reservoirs,	where livestock grazing is		
				catchments, ponds).	identified as a causal factor		
				cateriments, pones).	to not meeting standards or		
					habitat objectives.		
MD RM-I: (ADH) Within					Habitat Objectives.		Summany statements
	—			—			Summary statement:
ADH, incorporate GRSG							Manage grazing to achieve
habitat objectives and							GRSG habitat/objectives
management considerations							and/or land health standards
nto all BLM grazing allotments							
through Allotment							Applicability for RMPs?
Management Plans.							Duplicative with other
							decisions. Consolidate
							decisions that incorporate
							habitat objectives into one.
							See chapter 2 grazing decision
							RM-2 or Application of
							Habitat Objectives –
							Objective SSS Y and actions
							SSS YI and SSS Y2.

			2019 Amend	ments/Revisions			
Colorado	Idaho	Montana/Dakotas	Nevada/California	Oregon	Utah	Wyoming	NOTES
Colorado MD RM-2: (ADH) Work cooperatively on integrated ranch planning within GRSG nabitat. Develop management strategies that are seamless with respect to actions on public and private lands within BLM grazing allotments.	Idaho MD LG 3: Where opportunities exist, coordinate with other land managers to encourage livestock operations that utilize mixed federal, private and/or state land to be managed at the landscape scale to benefit GRSG and their habitat across land ownerships.	Dillon MD LG 3 : Where opportunities exist, coordinate with other land managers to encourage livestock operations that utilize mixed federal, private and/or state land to be managed at the landscape scale to benefit GRSG and their			Utah MA-LG-3: In PHMA, consult, cooperate, and collaborate with other land owners and management agencies (e.g., private and SITLA) to develop plans which provide for landscape level approaches to habitat improvement. Manage unfenced private and SITLA lands within a grazing allotment that are under exchange of use agreements or percent public land use as a single unit that will have the same management as the public lands.	MD LG 2: Within PHMA the BLM will work cooperatively with permittees, lessees, and other landowners to develop voluntary grazing management strategies that integrate both public and private lands into single management units to improve Greater Sage-Grouse habitat.	NOTES Summary statement: • Coordinate with partners/neighbors Applicability for RMPs? 43 CFR 4100 regulations direct BLM to consult, cooperate and coordinate with affected grazing permittees, the state having lands or responsible for managing resources within and the interested publics when engaging in program work such as changes in permitted use, Allotment Management Plans, Range Improvements, issuance and/or modification of a grazing permit. Because regulations already require coordination, and conducting such coordination does not require an RMP decision to implement, it would be removed from the RMP-decision section for Alternatives 4 and 5. However, coordination language has been added specific to managing GRSG

			2019 Amendr	nents/Revisions			
Colorado	Idaho	Montana/Dakotas	Nevada/California	Oregon	Utah	Wyoming	NOTES
MD RM-3: (PHMA) The BLM	MD LG 15: <u>Generally, t</u> The	Dillon MD LG 15: The BLM	MD LG 2: The BLM will	MD LG II: Sagebrush Focal	MA-LG-2: The BLM will	MD LG 5 (cont.): The BLM	Summary statement:
will prioritize:	BLM will prioritize	will prioritize	prioritize (1) the review of	Areas will be prioritized for	prioritize	would prioritize (1) the review	Prioritize review/processing
I. the review of grazing	(I) the review of grazing	(I) the review of grazing	grazing permits/leases, in	management and conservation	(I) the review of grazing	of grazing permits/leases, in	of grazing permits
permits/leases, in particular	permits/leases, in particular to	permits/leases, in particular to	particular to determine if	actions, including, but not limited	permits/leases, in particular	particular to determine if	0 01
to determine if modification	determine if modification is	determine if modification is	modification is necessary prior	to review of livestock grazing	to determine if modification	modification is necessary prior	Applicability for RMPs?
is necessary prior to	necessary prior to renewal, and	necessary prior to renewal, and	to renewal, and (2) the	permits/leases.	is necessary prior to	to renewal, and (2) the	Prioritization is not an RMP
renewal, and	(2) the processing of grazing	(2) the processing of grazing	processing of grazing		renewal, and	processing of grazing	decision. It depends on
2. the processing of grazing	permits/leases based on land	permits/leases in Sagebrush	permits/leases in SFA followed	MD LG 12: The BLM will	(2) the processing of	permits/leases in SFAs followed	staffing, budget, and the
permits/leases in PHMA.	health conditions or concerns	Focal Areas (SFA) followed by	by PHMAs outside of the SFA.	prioritize (1) the review of grazing	grazing permits/leases in	by-PHMA-outside of the SFAs. In	consideration of other
	related to rangeland health	PHMA outside of the SFA.	In setting workload priorities,	permits/leases, in particular to	SFA first followed by PHMA	setting workload priorities,	resource issues that include,
In setting workload priorities,	<u>standards. If similar issues are</u>		precedence will be given to	determine if modification is	outside SFA.	precedence would be given to	but are not limited to GRSG,
precedence will be given to	found in both PHMA and	In setting workload priorities,	existing permits/leases in these	necessary prior to renewal, and (2)		existing permits/leases in these	other listed species, LHS,
existing permits/leases in these	IHMA, then those in PHMA	precedence will be given to	areas not meeting land health	the processing of grazing	In setting workload	areas not meeting LHSs, with	wildfire, or other resource
areas not meeting Land Health	<u>should be addressed first. in</u>	existing permits/leases in these	standards, with focus on those	permits/leases in Sagebrush Focal	priorities, precedence will	focus on those containing	concerns.
Standards, with focus on those	Sagebrush Focal Areas (SFA)	areas not meeting Land Health	containing riparian areas,	Areas (SFA) followed by PHMA	be given to existing	riparian areas, including wet	
containing riparian areas,	followed by PHMA outside of	Standards, with focus on those	including wet meadows. The	outside of the SFA. In setting	permits/leases in these	meadows. The BLM may use	Previous national level
including wet meadows. The	the SFA.	containing riparian areas,	BLM may use other criteria for	workload priorities, precedence	areas not meeting Land	other criteria for prioritization	guidance for prioritization of
BLM may use other criteria for		including wet meadows.	prioritization to respond to	will be given to existing	Health Standards, with	to respond to urgent natural	renewals has always been to
prioritization to respond to	In setting workload priorities,	Management and conservation	urgent natural resource	permits/leases in these areas not	focus on those containing	resource concerns (e.g., fire)	look at high resource value
urgent natural resource	precedence will be given to	action prioritization will occur	concerns (e.g., fire) and legal	meeting Land Health Standards,	riparian areas, including wet	and legal obligations.	areas first. IM's such as WO
concerns (e.g., fire) and legal	existing permits/leases in these	at the Conservation Area (CA)	obligations.	with focus on those containing	meadows. The BLM may		2009-018 and WO 2018-024
obligations.	areas not meeting Land Health	scale and be based on GRSG		riparian areas, including wet	use other criteria for		gave guidance on
	Standards and that have	population and habitat trends:		meadows. The BLM may use other	prioritization to respond to		prioritization.
	declining Greater Sage-Grouse	Focusing management and		criteria for prioritization to	urgent natural resource		
	populations, defined by a soft	conservation actions first in		respond to urgent natural resource	concerns (ex., fire) and legal		The 2015 FWS listing
	or hard population adaptive	SFA followed by areas of		concerns (e.g. fire) and legal	obligations.		determination cited the
	management trigger being	PHMA outside SFA. The BLM		obligations.			prioritization for reviewing
	engaged. Greater Sage-Grouse	may use other criteria for					grazing permits and
	populations that are stable or	prioritization to respond to					conducting monitoring to
	trending upward will be a	urgent natural resource					determine if changes may be
	lower priority for permit	concerns (e.g., fire) and legal					needed to meet GRSG habitat
	renewal and the assessment	obligations.					conditions – though it also
	<u>process</u> , with focus on those						noted that other criteria
	containing riparian areas,	MD LG 2: Prioritize BLM land					could be considered.
	including wet meadows.	health assessments and					
	Management and conservation	processing of BLM grazing					Retained language related to
	action prioritization will occur	permits consistent with					prioritization in the livestock
		management area prioritization					grazing BMP appendix. It can
	scale and be based on GRSG	(MD SSS 4), unless other higher					help inform and guide during
	population and habitat trends:	priority considerations exist					implementation, though it is
	Focusing management and	(MD LG 15) or other factors					not needed as an RMP-level
	conservation actions first in	such as threatened, endangered					decision.
	SFA followed by areas of	and proposed species habitat					
	PHMA outside SFA. The BLM	that livestock grazing can affect.					
	may use other criteria for	Where possible, conduct land					
	prioritization to respond to	health assessments at the					
	urgent natural resource	watershed, or other meaningful					
	concerns (e.g., fire) and legal	landscape-scale.					
	obligations.						
		Billings MD LG-14: The BLM					
		will prioritize (I) the review of					
	health assessments and	grazing permits/leases, in					
	processing of BLM grazing	particular to determine if					

		1		ments/Revisions			
Colorado	Idaho	Montana/Dakotas	Nevada/California	Oregon	Utah	Wyoming	NOTES
e above.)	permits consistent with	modification is necessary prior	(See above.)	(See above.)	(See above.)	(See above.)	(See above.)
	management area prioritization						
	(MD SSS 4), unless other higher						
	priority considerations exist	permits/leases in PHMA. In					
	(MD LG 15) or other factors	setting workload priorities,					
	such as threatened, endangered	I precedence will be given to					
	and proposed species habitat	existing permits/leases in these					
	that livestock grazing can affect.	areas not meeting Land Health					
	Where possible, conduct land	Standards, with focus on those					
	health assessments at the	containing riparian areas,					
	watershed, or other meaningful	including wet meadows. The					
	landscape-scale.	BLM may use other criteria for					
		prioritization to respond to					
		urgent natural resource					
		concerns (ex., fire) and legal					
		obligations.					
		- 0					
		Lewistown (Same as					
		Livestock Grazing MD-12):					
		The BLM will prioritize (I) the					
		review of grazing					
		permits/leases, in particular to					
		determine if modification is					
		necessary prior to renewal, and					
		(2) the processing of grazing					
		permits/leases in SFA followed					
		by PHMA outside of the SFA.					
		In setting workload priorities,					
		precedence will be given to					
		existing permits/leases in these					
		areas not meeting Land Health					
		Standards, with focus on those					
		containing riparian areas,					
		including wet meadows. The					
		BLM may use other criteria for					
		prioritization to respond to					
		urgent natural resource					
		concerns (e.g., fire) and legal					
		obligations.					
		Lewistown Action LG 1.5:					
		The BLM will prioritize (I) the					
		review of grazing permits/leases					
		in particular to determine if					
		modification is necessary prior					
		to renewal): and (2) the					
		processing of grazing					
		permits/leases in in SFA,					
		followed by PHMA. In setting					
		will prioritize (1) the review of					
		grazing permits/leases in					
		particular to determine if					
		modification is necessary prior					

				Iments/Revisions			NOTES
Colorado	Idaho	Montana/Dakotas	Nevada/California	Oregon	Utah	Wyoming	NOTES
e above.)	(See above.)	to renewal): and (2) the	(See above.)	(See above.)	(See above.)	(See above.)	(See above.)
		processing of grazing					
		permits/leases in in SFA,					
		followed by PHMA. In setting					
		workload priorities,					
		precedence will be given to					
		existing permits/leases in these					
		areas not meeting Land Health					
		Standards, with focus on those					
		containing riparian areas,					
		including wet meadows. The					
		BLM may use other criteria for					
		prioritization to respond to					
		urgent natural resource					
		concerns (e.g., fire) and legal					
		obligations.					
		0					
		Miles City MD LG-3: The					
		BLM will prioritize (1) the					
		review of grazing					
		permits/leases, in particular to					
		determine if modification is					
		necessary prior to renewal, and					
		(2) the processing of grazing					
		permits/leases in PHMA. In					
		setting workload priorities,					
		precedence will be given to					
		existing permits/leases in these					
		areas not meeting Land Health					
		Standards, with focus on those					
		containing riparian areas,					
		including wet meadows. The					
		BLM may use other criteria for					
		prioritization to respond to					
		urgent natural resource					
		concerns (ex., fire) and legal					
		obligations.					
		North Dakota					
		Management Direction LG-					
		1.5 : The BLM will prioritize (1)					
		the review of grazing					
		permits/leases, in particular to					
		determine if modification is					
		necessary prior to renewal, and					
		(2) the processing of grazing					
		permits/leases in PHMA. In					
		setting workload priorities,					
		precedence will be given to					
		existing permits/leases in these					
		areas not meeting Land Health					
		Standards, with focus on those					
		containing riparian areas,					

			2019 Amen	Iments/Revisions			
Colorado	Idaho	Montana/Dakotas	Nevada/California	Oregon	Utah	Wyoming	NOTES
(See above.)	(See above.)	including wet meadows. The	(See above.)	(See above.)	(See above.)	(See above.)	(See above.)
		BLM may use other criteria for					
		prioritization to respond to					
		urgent natural resource					
		concerns (such as fire) and legal					
		obligations.					
		South Dakota MD-32 Land					
		Health Standards: BLM will					
		prioritize grazing leases in					
		PHMA to determine if					
		modifications are necessary					
		prior to renewals or if the					
		allotment does not meet Land					
		Health Standards.					
		Management Direction 36:					
		The BLM will prioritize (1) the					
		review of grazing					
		permits/leases, in particular to					
		determine if modification is					
		necessary prior to renewal, and					
		(2) the processing of grazing					
		permits/leases in PHMA. In					
		setting workload priorities,					
		precedence will be given to					
		existing permits/leases in these					
		areas not meeting Land Health					
		Standards, with focus on those					
		containing riparian areas,					
		including wet meadows. The					
		BLM may use other criteria for					
		prioritization to respond to					
		urgent natural resource					
		concerns (such as fire) and legal					
		obligations.					

			2019 Amendn				
Colorado	Idaho	Montana/Dakotas	Nevada/California	Oregon	Utah	Wyoming	NOTES
MD RM-4: (ADH) Conduct	MD LG 4: PHMA & IHMA:	Dillon MD LG 4: PHMA &	MD LG 4: Complete land	Objective LG 3: Complete	MA-LG-5: In PHMA and	MD LG I: The BLM policy in	Summary statement:
land health assessments that	During the land health	IHMA: During the land health	health assessments in PHMAs	rangeland health assessments for	GHMA, conduct land health	WO-IM-2009-007 and BLM	 Land health assessments:
include (at a minimum)	assessment process, identify	assessment process, identify	and GHMAs to identify	grazing permits/leases that have	assessments that include	Handbook H-4180-1 will be used	include habitat indicators,
indicators and measurements	the type(s) of seasonal habitat	the type(s) of seasonal habitat	whether or not GRSG habitat	not been renewed and prioritized	indicators and	to evaluate land health standards	ecological site descriptions,
of vegetation	the assessed areas are capable	the assessed areas are capable		by Allotment Categories I, M, and	measurements of structure,	achievement in PHMA (core	state and transition,
structure/condition/compositio		of supporting. Utilize the	met. The priority order for	C. The priority order for	condition, composition,	only) and, where not achieved,	priorities
n specific to achieving GRSG		habitat assessment framework,	completing land health	completing rangeland health	etc., of vegetation specific	to determine if existing grazing	
habitat objectives (Doherty et	(Stiver et al. 2015) or other	(Stiver et al. 2015) or other	assessments in GRSG habitat is:	assessments in Greater Sage-	to achieving GRSG habitat		Applicability for RMPs?
al. 2011). If local/state seasonal	BLM approved methodology, in		 Allotments containing SFA 	grouse habitat is:	objectives (Objective SSS-	of grazing use on public lands	Prioritization is not an RMP
habitat objectives are not	accordance with current policy		that have never been		3), including within		decision. It depends on
available, use GRSG habitat	and guidance to determine	and guidance to determine	evaluated;	I. Allotments containing SFA that	wetlands and riparian areas.	achieve the standards and	staffing, budget, and the
recommendations from	whether vegetation structure,		 Allotments containing SFA 	have never been evaluated.	Prioritize land health	conform with the guidelines,	consideration of other
Connelly et al. 2000 and Hagen	condition and composition	condition and composition	that have not been re-	2. Allotments containing SFA that	assessments in SFA,	which through this process will	resource issues that include,
et al. 2007.	are meeting GRSG habitat	are meeting GRSG habitat	evaluated in 10 or more	have not been re-evaluated in 10	followed by PHMA outside	identify appropriate actions to	but are not limited to GRSG,
	objectives including riparian and	objectives including riparian and	years;	or more years.	of the SFA. Conduct land	address nonachievement and	other listed species, LHS,
	lentic areas (Objective SSS 2;	lentic areas (Objective SSS 2;	Allotments containing	3. Allotments containing PHMA	health assessments at the	nonconformance.	wildfire, or other resource
	Table 2-2). Use appropriate	Table 2-2). Use appropriate	PHMAs that have never	that have never been evaluated.	watershed scale and use the		concerns.
	Ecological Site Descriptions,	Ecological Site Descriptions,	been evaluated;	4. Allotments containing PHMA	GRSG habitat objectives		
	reference sheets and state and	reference sheets and state and		that have not been re-evaluated in	when assessing the		Previous national level
	transition models to inform	transition models to inform	 Allotments containing PHMAs that have not been 	10 or more years.	applicable standard in		guidance for prioritization of
	desired habitat conditions and	desired habitat conditions and	re-evaluated in 10 or more	5. Allotments containing GHMA	GRSG habitats.		renewals has always been to
	expected responses to	expected responses to		that have never been evaluated.			look at high resource value
	management changes for the	management changes for the	years;	6. Allotments containing GHMA			areas first. IM's such as WO
	land unit being assessed.	land unit being assessed.	Allotments containing	that have not been re-evaluated in			2009-018 and WO 2018-024
			GHMAs that have never	10 or more years.			gave guidance on
		Lewistown Action LG-1.2:	been evaluated;				prioritization.
		In PHMA and GHMA, conduct	 Allotments containing 				
		land health evaluations and	GHMAs that have not been				The 2015 FWS listing
		determinations that include (at	re-evaluated in 10 or more				determination cited the
		a minimum) indicators and/or	years.				prioritization for reviewing
		measurements of					grazing permits and
		structure/condition/					conducting monitoring to
		composition of vegetation					determine if changes may be
		specific to achieving GRSG					needed to meet GRSG habitat
		habitat objectives. Management					conditions – though it also
		actions will be developed and					noted that other criteria
		implemented within one year if					could be considered.
		land health determinations					
		indicate that an allotment is not					Retained language related to
		meeting standards due to					prioritization in the livestock
		current livestock grazing.					grazing BMP appendix. It can
		Appendix D addresses mid-					help inform and guide during
		scale monitoring.					implementation, though it is
							not needed as an RMP-level
		Lewistown Action LG-1.6:					decision.
		Allotments that have the best					
		opportunities for conserving,					
		enhancing, or restoring habitat					
		for GRSG will receive high					
		priority for monitoring,					
		evaluation, and management.					
		-					

				ments/Revisions			
Colorado	Idaho	Montana/Dakotas	Nevada/California	Oregon	Utah	Wyoming	NOTES
e above.)	(See above.)	Lewistown Action LG-1.7:	(See above.)	(See above.)	(See above.)	(See above.)	(See above.)
		In PHMA, conduct land health					
		evaluations and determinations					
		that include (at a minimum)					
		indicators and/or					
		measurements of					
		structure/condition/compositio					
		n of vegetation specific to					
		achieving GRSG habitat					
		objectives. Management actions					
		will be developed if land health					
		determinations indicate that an					
		allotment is not meeting					
		standards due to current					
		livestock grazing. Appendix D					
		addresses mid-scale					
		monitoring.					
		5					
		Lewistown Action LG-1.8:					
		The BLM will monitor grazing					
		permits/leases renewed or					
		modified in accordance with					
		the direction contained in this					
		guidance as follows: Allotments					
		within SFA, followed by those					
		in other PHMA, and focusing					
		on those with riparian areas,					
		will be prioritized for					
		monitoring to ensure					
		compliance with the terms and					
		conditions in the permits. The					
		BLM will collect, at a minimum,					
		the following monitoring data:					
		· Actual Use					
		·Utilization					
		Lewistown Action LG-1.9:					
		In PHMA and GHMA, conduct					
		land health evaluations and					
		determinations that include (at					
		a minimum) indicators and/or					
		measurements of					
		structure/condition/compositio					
		n of vegetation specific to					
		achieving GRSG habitat					
		objectives. Management actions					
		will be developed if land health					
		determinations indicate that an					
		allotment is not meeting					
		standards due to livestock					
		grazing in accordance with BLM					1

				nents/Revisions			NOTES
Colorado	Idaho	Montana/Dakotas	Nevada/California	Oregon	Utah	Wyoming	NOTES
above.)	(See above.)	grazing regulations 43 CFR,	(See above.)	(See above.)	(See above.)	(See above.)	(See above.)
		Part 4100. Appendix D					
		addresses mid-scale					
		monitoring.					
		Lewistown Action LG-1.11:					
		In PHMA, manage for					
		vegetation composition and					
		structure consistent with					
		ecological site potential within					
		the reference state to achieve					
		GRSG seasonal habitat					
		objectives. Natural ecological					
		processes that impede localized					
		site potential and that create a					
		mosaic of habitat successional					
		patterns will continue to occur.					
		North Dakota					
		Management Direction LG-					
		1.6 : In PHMA, conduct land					
		health assessments that include					
		(at a minimum) indicators and					
		measurements of					
		structure/condition/compositio					
		n of vegetation specific to					
		achieving GRSG habitat					
		objectives.					
		Local objectives will be					
		developed at the field office					
		level in partnership with North					
		Dakota Game and Fish					
		Department and USFWS, and					
		incorporated into AMPs or					
		livestock grazing permits as					
		appropriate incorporating best					
		available science.					
		North Dakota					
		Management Direction LG-					
		1.9: In PHMA, manage for					
		vegetation composition and					
		structure consistent with					
		GRSG seasonal habitat					
		objectives. ESDs can help					
		determine whether or not the					
		GRSG seasonal habitat					
		objectives are consistent with					
		the ecological site potential					
		within the reference state.					
		GRSG seasonal habitat					
		objectives and ecological site					
		potential within reference					

			2019 Ameno	Iments/Revisions			
Colorado	Idaho	Montana/Dakotas	Nevada/California	Oregon	Utah	Wyoming	NOTES
See above.)	(See above.)	states are not always going to be the same. HiLine (Same as Vegetation MD-11): Rangeland health monitoring and assessments will be conducted within current staffing capabilities. The allotments within the Greater Sage-Grouse PHMA and the Grassland Bird/Greater Sage- Grouse PHMA will be high priority for reassessment of land health standards and processing grazing permits as detailed in Appendix I. Rangeland health monitoring plans will be developed and implemented at the field office level.	(See above.)	(See above.)	(See above.)	(See above.)	(See above.)
MD RM-6: (ADH) Manage fo vegetation composition and structure consistent with ecological site potential and within the reference state subject to habitat objectives, including successional stages.	nr —						 Summary statement: Manage for vegetation composition consistent wite ecological site potential <u>Applicability for RMPs?</u> Duplicative with habitat objective reference action. Consolidate decisions that incorporate habitat objectives into one. See chapter 2 grazing decision RM-2 or Application of Habitat Objectives – Objective SSS Y and actions SSS Y1 and SSS Y2.

Colorado	Idaho	Montana/Dakotas	2019 Amendn Nevada/California	Oregon	Utah	Wyoming	NOTES
	Idano						
MD RM-5: (ADH) Develop	—	Billings: MD LG-12: Site	MD LG 8: Within PHMAs and	MD LG 4: When fine and site-	MA-LG-4: Evaluate Utah's	MD LG 4: Within PHMA, all	Summary statement:
specific objectives—through		specific Greater Sage-Grouse	GHMAs, incorporate terms	scale Greater Sage-grouse habitat	Rangeland Health Standards	BLM use authorizations will	Manage grazing to achieve
NEPA analysis conducted in		habitat and management	and conditions into grazing	assessment and monitoring is	and process grazing	contain terms and conditions	GRSG habitat/objectives
accordance with the		objectives will be developed for	permits to meet GRSG habitat	needed or required, (e.g., as a	permits. Focus monitoring	regarding the actions needed to	and/or land health standards
permit/lease renewal process—		BLM land within Greater Sage-	objectives (<u>Table 2-2</u>), specific	component of a rangeland health	and management activities	meet or progress toward	
to conserve, enhance, or		Grouse PHMA. These	terms and conditions will be	assessment), measure the Greater	on allotments found not to	meeting the habitat objectives. lif	
restore GRSG habitat. Base		objectives will be incorporated	based on rangeland health	Sage-grouse habitat suitability	be achieving Utah's	monitoring data show the	Developed a consolidated
benchmarks on Ecological		into the respective allotment	assessments (and subsequent	indicators for seasonal habitats	Rangeland Health Standards	wildlife/special status species	action (Management Action
Site/Range Site Descriptions.		management plans (AMPs) or	monitoring data).	identified in Table 2-2. Site	where livestock grazing is	<u>standard</u> habitat objectives have	RM-2 in chapter 2) to
When existing on Ecological		livestock grazing permits as		suitability values may be adjusted	identified as a causal factor	<u>has</u> not been met nor progress	consider GRSG habitat
Site/Range Site Descriptions		appropriate.		regionally where there is scientific	and that have the best	being made toward meeting	benchmarks via HAF to
have not been developed, or				justification for doing so. When	opportunities for	themthat standard, there will be	inform LHS. The action
are too general to serve		Lewistown Action LG-1.2:		using the indicators to guide	conserving, enhancing or	an evaluation and a	connects GRSG habitat
adequately as benchmarks,		Site-specific Greater Sage-		management actions or during land	restoring habitat for GRSG.	determination made as to the	benchmarks for suitable
identify and document local		Grouse habitat and		health assessments, consider that	_	cause. If it is determined that the	habitat via HAF to inform land
reference sites for areas of		management objectives will be		the indicators are sensitive to the	Use ecological site	current authorized livestock use	health special status species
similar potential that exemplify		developed for BLM land and		ecological processes operating at	descriptions and/or other	is a significant <u>causal</u> factor in	standard, and then the
achievement of GRSG habitat		incorporated into the		the scale of interest and that a	appropriate information to	failing to achieve the	regulatory requirement to
objectives and use these sites		respective AMPs or livestock		single habitat indicator does not	determine the desired plant	wildlife/special status species	meet LHS (see Management
as the benchmark reference.		grazing permits as appropriate.		necessarily define habitat suitability	community within proper	standards, the BLM would	Action RM-2 in chapter 2).
Establish measurable objectives		Third order (fine-scale) and		for an area or particular scale.	functioning ecological	address the achievement or	
related to GRSG habitat from		fourth order (site-scale) habitat		······································	processes for conducting	progress toward achieving the	
baseline monitoring data,		indicators and characteristics			land health assessments to	LHSs (43 CFR 4180.2) and, if	
ecological site descriptions, or		for sage-grouse habitat			evaluate the achievement	needed, Greater Sage-Grouse	
land health		seasonal use areas as described			or non-achievement of	habitat maintenance or	
assessments/evaluations, or		in the Sage-Grouse Habitat			rangeland health standards.	improvement for healthy	
other habitat and successional		Assessment Framework (Stiver,			rangeland nearch standards.	rangelands, the use will be	
stage objectives.		et al. 2015) will be used to				adjusted by the response	
stage objectives.		quantify habitat objectives.				specified in the instrument that	
		qualitity habitat objectives.				authorized the use.	
		HiLine MD-36: Consideration				autionized the use.	
		will be given to incorporating					
		fine-scale and site-specific					
		Greater Sage-Grouse habitat					
		5					
		and management objectives as appropriate to the area into					
		AMPs or livestock grazing					
	MD LG 6: When livestock	permits. Dillon MD LG 6: When	MD LG I: When livestock	MD LG 2: When livestock	MA-LG-6: In PHMA, when	MDICL	
MD RM-7: (ADH) Include					,		Summary statement:
terms and conditions on	management practices are	livestock management practices		management practices are	<u>an area is not livestock</u>	When determining appropriate	 Include/Adjust terms and
grazing permits and leases that	determined to not be	are determined to not be	determined to not be	determined to not be compatible	management practices are	actions to address	conditions to meet land
address disruptive activities	compatible with meeting or	compatible with meeting or	compatible with meeting or	with meeting or making progress	determined to not be	nonachievement of land health	health standards/GRSG
that affect GRSG and assure	making progress towards	making progress towards	making progress towards	towards achievable habitat	compatible with meeting or	standards and nonconformance	objectives/needs
plant growth requirements are	achievable habitat objectives	achievable habitat objectives	achievable habitat objectives	objectives following appropriate	making progress towards	with the guidelines due to	
met and residual forage	following appropriate	following appropriate	following appropriate	consultation, cooperating and	achievable habitat		Applicability for RMPs?
remains available for GRSG	consultation, cooperation and	consultation, cooperation and	consultation, cooperation and		objectives and Land Health	practices or levels of grazing use,	The text in this row does not
hiding cover.	coordination, implement	coordination, implement	coordination, implement	grazing management through	Standards, and the causal	management actions including	contain any decision but is a
	changes in grazing management	changes in grazing management	changes in grazing management	grazing authorization modifications,	factor is livestock grazing	but not limited to the following	list of what the agency could
Specify as necessary:	through grazing authorization	through grazing authorization	through grazing authorization	or allotment management plan	<u>(i.e., improper livestock</u>	will be considered singly or in	consider if an area isn't
 Season or timing of use 	modifications, or allotment	modifications, or allotment	modifications, or allotment	implementation. Potential	<u>grazing)</u> following	combination:	meeting the habitat needs for
2. Numbers of livestock	management plan	management plan	management plan	modifications include, but are not	appropriate consultation,	 Season or timing of use 	GRSG. This is evident by
(include temporary non-use	implementation. Potential	implementation. Potential	implementation and consistent	limited to, changes in:	cooperating and		language such as "potential
or livestock removal)			with 43 CFR 4160.1 and IM-	I. Season or timing of use;	coordination, implement		modifications include" or

 4. Intensity of use (utilization or stubile height objectives) 5. Kind of livestock (e.g., cattle, sheep, horse, lama, alpaca, and goat) 6. Class of livestock (e.g., vearlings versus cow/caff pairs) 7. Locations of bed grounds, sheep camps, trail routes, and the like 6. Grazing schedules (including rest or deferment). *Not in Priority Order *Did B & PHMA & HMA - Where practical, design participations to utilize non-native perennial grass seedings and/or annual grasslands, during GRSG nesting season annually or periodically. 6. Ewistick at a. 2011.: and the like is the periodically. 6. Season or timing of use; 6. Season or timing of use; 6. Class of livestock (e.g., cattle, sheep, horses, or goats) 6. Grazing schedules (including rest or deferment). *Not in Priority Order *Did G S: PHMA & HMA - Where practical, design participation to the periodically. *Did G S: PHMA & HMA - Where practical, design participation to the periodically. *Did G S: PHMA & HMA - Where practical, design participation to the periodically. *Did G S: PHMA & HMA - Where practical, design participation to to utilize non-native perential grass seedings and/or annual grasslands, during GRSG nesting season annually or periodically. *Did G S: If results from a land health assessment indication in SFA, more trained where new thirting or the periority order *Did HAA sing allociment unavailable to grazing schedules (including rest or deferment). *Not in priority order *Not in priority order	
 use not limited to, changes in: not limited to, changes in: Season or timing of use; Sumbars of livestock (e.g., cattle, sheep, horse, norgats) Briske et al. 2011); and Grazing schedules (including rest or deferment), Mort In Priority Order Mort In Priority Order<th></th>	
 allottmet's conformance with land health standards (see Appendix F in the Lewistown Field Office Proposed RMPA/Final EIS) prior to renewing a grazing authorization. Lewistown Action LG-I.12: In PHMA, implement management actions within or outside of the watershed planning/permit renewal process to nodify grazing management and to meet seasonal GRSG habitat objectives. Consider singly, or in combination, for changes in: -Season or timing of use Vertice With and the season of the ing of use Numbers of livestock Season and the season of the season is within of in combination, for changes in: -Season or timing of use Season and the season is of the season is of	strategies that may include" and both instances note that the list is inclusive of but not limited to a series of potential actions. It's just a list – like a toolbox of things the BLM could apply. Vestock (e.g., rersus cow calf vestock (e.g., tersus cow calf invovements. document, "Grazing nagement, and velopment in reater Sage- at" (Cagney et al. dance when opropriate actions to achieve to be used as a reference when assessing/evaluating the achievement of land health

		Marster /D. L. (nents/Revisions			NATES
Colorado	Idaho	Montana/Dakotas	Nevada/California	Oregon	Utah	Wyoming	NOTES
e above.)	(See above.)	HiLine MD-I: If monitoring	May 15, and Nesting—April 1	(See above.)	(See above.)	(See above.)	(See above.)
		data demonstrate that livestock	to June 30)				
		use on an allotment in a	 Consider any temporary 				
		priority Greater Sage-Grouse	projects that can mitigate				
		area is adversely affecting	livestock impacts (e.g.,				
	Greater Sage-Grouse or their	temporary fencing or					
	habitat, the terms and	temporary water hauling					
		conditions of grazing permits	locations;				
		may be modified, or changes in	 Work with permittees to 				
		active use could be considered	avoid concentrated turn-out				
		in order to meet the standards	locations for livestock within				
		for rangeland health as	4 miles of active and pending				
		described in 43 CFR, Part 4180	leks from March I to June 30				
		and the Standards for	• Avoid domestic sheep use and				
		Rangeland Health and	bedding areas and herder				
		Guidelines for Livestock	camps within 2 miles of active				
		Grazing Management	and pending leks from March				
		(Appendix L) or to otherwise	I to June 30				
		manage, maintain, or improve	• Utilizing land features and				
		sage-grouse habitat.	roads on maps provided to				
		HiLine MD-2: Appropriate	the permittee to help				
		indicators and measurements	delineate livestock use				
		specific to habitat for Greater	avoidance areas				
			 Considering no grazing from 				
		Sage-Grouse, or any other wildlife species of concern, will	May 15 – Sept. 15 in riparian				
			areas and wet meadows.				
		be evaluated as part of	• Removing livestock within 3-7				
		standards and guidelines	days for the remainder of the				
		assessment and any necessary	grazing year once the				
		and appropriate habitat	allowable use levels are				
		objectives specific to meeting the wildlife health standard for	reached (BLM 1996, Burton				
		the site will be identified and	et. al 2011, Cagney et. al,				
		incorporated into allotment	2010, Connelly et. al 2000,				
		management plans (AMPs) or	France et. al 2008, Hagen et.				
		the terms and conditions of	al 2007, Holechek 1988, Platts				
		livestock grazing permits.	1990, and Tanaka et. al 2014):				
		investock grazing permits.	 In riparian areas and wet 				
		North Dakota	meadows the allowable				
		Management Direction LG-	percent utilization is				
		1.10 : In PHMA, implement	35% woody species, and				
		management directions (grazing					
		decisions, AMP/Conservation	height of 4-6 inches (10-				
		Plan development, or other	15 cm) for herbaceous				
			riparian vegetation				
		agreements) to modify grazing	based on site.				
		management to meet State of North Dakota seasonal GRSG	 In mountain big sage 				
			habitat, the allowable				
		habitat requirements, where	percent utilization is 40				
		allotment evaluations indicate	% herbaceous key				
		land health assessments are not					
		being met due to livestock.	species and/or 35 %				
		Consider singly, or in	shrub key species.				
		combination, changes in:					

			2019 Amendn	nents/Revisions			
Colorado	Idaho	Montana/Dakotas	Nevada/California	Oregon	Utah	Wyoming	NOTES
(See above.)	(See above.)	 Season or timing of use; Numbers of livestock (includes temporary non-use or livestock removal); Distribution of livestock use; Intensity of use; and Type of livestock (e.g., cattle, sheep, horses, llamas, alpacas, and goats). 	 In Wyoming Basin big sage habitat, the allowable percent utilization is 35% herbaceous key species and/or 35 % shrub key species. In black sage habitat, the allowable percent utilization is 35% herbaceous key species and/or 35 % shrub key species. To the extent that the implementation of these strategies would be in conflict with the terms and conditions of any applicable livestock grazing permit or lease, then the BLM would complete a new decision-making process before implementing the 	(See above.)	(See above.)	(See above.)	(See above.)
			strategies. MD LG 6: Appropriate allowable utilization levels will be defined through the grazing permit renewal process. At least one alternative in the NEPA process will consider the utilization levels identified in MD LG 5.				Summary statement: • Include/Adjust terms and conditions to meet land health standards/GRSG objectives/needs Applicability for RMPs? Only from NV/CA. It's not an RMP decision, but "plan to plan" type of language along with direction for what future NEPA should consider in a range of alternatives, none of which are RMP decisions or BMPs.
			MD LG 7: In pastures where post livestock removal use monitoring results in utilization levels that exceed allowable use levels and livestock are identified as a causal factor, reduce animal unit months (AUMs) grazed the following year accordinglyin accordance with 43 CFR 4160.1 and IM 2018-023. AUMs cannot be applied to another pasture that is already being used by livestock or is being purposefully rested.				 Summary statement: Include/Adjust terms and conditions to meet land health standards/GRSG objectives/needs <u>Applicability for RMPs?</u> Only from NV/CA. Not an RMP decision, but direction for implementation that is not directly linked to habitat conditions. Included as a BMP specific to NV/CA.

				nents/Revisions		1	
Colorado	Idaho	Montana/Dakotas	Nevada/California	Oregon	Utah	Wyoming	NOTES
	—	—	MD LG 10: In any allotment	—	—	—	<u>Summary statement:</u>
			where land health standards				 Monitoring commitment if
			were not met and livestock				not meeting LHS
			grazing was found to be a				
			significant causal factor,				Applicability for RMPs?
			compliance monitoring will be				Monitoring is not an RMP
			conducted annually until GRSG				decision but is based on
			habitat objectives (<u>Table 2-2</u>)				available staff and budget. This
			are met. If compliance				is more appropriately
			monitoring finds that the				addressed as a mix of I)
			implemented management				compliance with the grazing
			strategies identified in MD LG				regulations and 2)
			5 are not achieving the desired				implementation prioritization
			results, a change in action will				Not carried forward as it's
			be required in compliance with				related to implementation
			43 CFR 4160.1 and IM 2018-				prioritization, which is not an
			<u>023</u> .				RMP action.
1D RM-8: (ADH) Develop	MD LG 14: In response to	Dillon MD LG 14: In	—	MD LG 5: During drought	MA-LG-7: In PHMA,	MD LG 7: When periods of	<u>Summary statement:</u>
rought contingency plans at	weather conditions (i.e.	response to weather		conditions use a recognized	during drought periods,	drought occur, where	 Drought response
he appropriate landscape unit	drought) adjust grazing	conditions (i.e. drought) adjust		drought indicator, such as the	prioritize evaluating effects	appropriate, the AO will evaluate	
hat provide for a	management (i.e., delay	grazing management (i.e., delay		Drought Monitor or Palmer	of the drought relative to		Applicability for RMPs?
onsistent/appropriate BLM	turnout, adjust pasture	turnout, adjust pasture		Drought Severity Index, to	GRSG needs for food and	through coordination with	 Drought is not solely a
esponse. Plans shall establish	rotations, adjust the amount	rotations, adjust the amount		determine when abnormally dry or	cover.	grazing permittee/lessee and	livestock grazing issue.
olicy for addressing ongoing	and/or duration of grazing) as	and/or duration of grazing) as		drought conditions are developing,	Initiate emergency	annual billings processes. In	However, as drought
lrought and post-drought	appropriate to provide for	appropriate to provide for		present, or easing. When such	management measures (e.g.	cooperation with livestock	directly effects vegetation
ecovery for GRSG habitat	adequate food and cover for	adequate food and cover for		conditions are developing or	delaying turnout, adjusting	grazing permittees/lessees,	that is used by both
objectives.	GRSG.	GRSG.		present:	the amount and/or duration	drought contingency plans will	livestock grazing and GRSG,
				I. Conduct pre-season	of livestock grazing,	be developed at the appropriate	there is a connection.
		Lewistown Action LG-1.13:		assessments prior to	implement other terms of	landscape unit that provide for a	Consolidated grazing related
		During drought periods,		livestock turn out.	the permit) during times of	consistent/appropriate BLM	management associated with
		prioritize evaluating effects of		2. Monitor vegetation	drought to protect GRSG	response. Contingency plans	drought to the BMP
		the drought in PHMA, relative		conditions during	habitat, in accordance with	shall establish strategies for	appendix, as the existing
		to their needs for food and		authorized livestock use	Instruction Memorandum	addressing ongoing drought and	management to the left is
		cover. Drought management		periods to determine	2013-094 (Resource	post-drought recovery.	more related to best
		will continue to be in		need for early removal or	Management During		practices than it is RMP-leve
		accordance with the		other changes to meet	Drought), or other agency		decision-making or
		Montana/Dakotas drought		seasonal PHMA and	policies.		allocation changes.
		policy (see Appendix I,		GHMA objectives.	luss laurent - ant duaureht		 Additionally, 43 CFR 4110.3
		Drought Policy, in the Lewistown Field Office		If livestable graning is deferred due	Implement post-drought management to allow for		3(b) provides the ability of
				If livestock grazing is deferred due			the authorized officer to
		Proposed RMPA/Final EIS). Since there is a lag in		to drought, reevaluate vegetation	vegetation recovery that meets GRSG needs.		determine that when
				and Greater Sage-grouse habitat	meets GRSG needs.		resources on public lands
		vegetation recovery following		indicators that measure Greater			require protection because
		drought, post-drought		Sage-grouse habitat prior to			of drought that actions
		management will be		reauthorization of grazing.			can be taken.
		implemented to allow for					
		vegetation recovery that meets					
		GRSG needs in PHMA. In					
		accordance with BLM grazing					
		regulation 43 CFR, Part 4130.3-					
		3, consultation, cooperation,					
		and coordination with owners					
		or lessees having lands or					

				nents/Revisions	1	1	
Colorado	Idaho	Montana/Dakotas	Nevada/California	Oregon	Utah	Wyoming	NOTES
(See above.)	(See above.)	managing resources within the area, the affected cooperative state grazing district, and interested public will be completed prior to adjusting post-drought livestock management if the grazing permit is being modified to make these adjustments. Implementation of adjustments will be initiated through documented agreement or by decision of the authorized officer in accordance with BLM grazing regulation 43 CFR, Part 4160. North Dakota Management Direction LG- 1.11 : During drought periods, prioritize evaluating effects of the drought in PHMA relative to their needs for food and cover. Management will continue to be in accordance with the Montana-Dakotas Drought Policy (see Appendix H, Drought Policy, of the 2015 Greater Sage-Grouse	(See above.)	(See above.)	(See above.)	(See above.)	(See above.)
MD RM-9: The NEPA analysis for renewals and modifications of livestock grazing permits/leases that include lands within PHMA would include specific management thresholds based on Table 2.3 in the Proposed Plan, Land Health Standards (43 CFR, Part 4180.2), ecological site potential, and one or more defined responses that would allow the authorizing officer to make adjustments to livestock grazing that have already been subject to NEPA analysis.	MD LG 16: Grazing in the PHMA and IHMA will be managed according to the process outlined in the text below, and the grazing permit renewal process will be managed according to 43 CFR 4100, Subpart 4180, and as outlined in the process below. a. Incorporate the Greater Sage-Grouse desired conditions in Table 2.2 [of the 2015 Final EIS] and management considerations as desired conditions, and manage livestock grazing, recognizing that these conditions may not be achievable: (1) due to the existing ecological	site potential, and one or more defined responses that will	MD LG 3: The NEPA analysis for renewals and modifications of livestock grazing permits/leases that include lands within SFA and PHMAs will include specific management thresholds based on GRSG Habitat Objectives Table (Table 2-2), Land Health Standards (43 CFR, Part 4180.2) and ecological site potential, and one or more defined responses that will allow the authorizing officer to make adjustments to livestock grazing that have already been subjected to NEPA analysis.	MD LG 13: The NEPA analysis for renewals and modifications of livestock grazing permits/leases that include lands within SFA and PHMA will include specific management thresholds based on GRSG Habitat Objectives Table 2-2 , Land Health Standards (43 CFR, Part 4180.2) and ecological site potential, and one or more defined responses that will allow the authorizing officer to make adjustments to livestock grazing that have already been subjected to NEPA analysis.	r MA-LG-6 (cont.): When improper livestock grazing is the causal factor for not meeting or making progress towards achievable habitat objectives and Land Health Standards, Tthe NEPA analysis for renewals and modifications of livestock grazing permits/leases that include lands within SFA and-PHMA will <u>analyze</u> multiple potential modifications (e.g., alternatives from the list above) that address the reasons for not meeting, allowing the include specific management thresholds based on Table 2-2 , Land Health Standards (43 CFR, Part 4180.2), and ecological	MD LG 4 (cont.): When NEPA analysis is required for a specific implementation action, one alternative would include mechanisms to make adjustments to meet or make progress toward meeting the wildlife/special status species standard. The analysis should also identify the BLM-approved data collection methodologies used for monitoring conditions and determining when adjustments are necessary. If current grazing management meets land health standards and provides for Greater Sage- Grouse habitat, there would be no need to analyze an alternative for Greater Sage-Grouse. Authorized uses in PHMA that incorporate habitat objectives	Summary statement: • Thresholds and Responses in permit renewals Applicability for RMPs? Alternatives 4 and 5 include the concept of a proactive approach associated with thresholds and responses in the alternatives above under Management Action RM-3.

<u> </u>					ments/Revisions	•••		
Colorado		Idaho	Montana/Dakotas	Nevada/California	Oregon	Utah	Wyoming	NOTES
e above.)		condition, ecological	include specific management	(See above.)	(See above.)	site potential, and one or	for Greater Sage-Grouse must	(See above.)
		potential, or existing	thresholds based on GRSG			more defined responses	develop desired conditions	
		<u>vegetation; or (2) due to</u>	Habitat Objectives Table (Table			that will allow the	based on Greater Sage-Grouse	
		<u>causal events unrelated to</u>	2-6) and Land Health Standards			authorizing officer to make	habitats present in the allotment	
		existing livestock grazing;	(43 CFR, Part4180.2) and one			adjustments to livestock	and the ecological potential of	
		<u>and 3) that they are not</u>	or more defined responses that			grazing that have already	sites that supports these	
		intended to be prescriptive	will allow the authorizing			been subjected to NEPA	habitats. Metrics used to	
		at the allotment level.	officer to make adjustments to			analysis. Adjustments to	monitor for objectives must be	
	b.	<u>Conduct habitat</u>	livestock grazing that have			meet seasonal GRSG	developed and inform the	
		assessments using	already been subjected to			habitat requirements could	wildlife/SSS portion of the	
		appropriate monitoring	NEPA analysis.			include those items	Standards for Healthy	
		methods. Where				identified in the list above.	Rangelands.	
		appropriate, make a	MD LG-15: The NEPA				Within PHMA, seasonal habitat	
		determination of factors	analysis for renewals and				objectives for Greater Sage-	
		<u>causing any failure to</u>	modifications of livestock				Grouse apply only to those	
		<u>achieve the desired</u>	grazing permits/leases that				habitats delineated within an	
		conditions in Table 2.2 [of	include lands within PHMA will				allotment during the specific	
		the 2015 Final EIS]. The	include specific management				season (e.g., breeding season	
		<u>assessment will be</u>	thresholds based on GRSG				objectives during breeding	
		conducted at a resolution	Habitat Objectives Table (Table				season). Data needed to inform	
		and scale sufficient to	2-6) and Land Health Standards				the relationship between the	
		document the habitat	(43 CFR, Part4180.2) and				authorized use and habitat	
		condition and will include	ecological site potential, and				condition would come from	
		<u>local, spatial, and</u>	one or more defined responses				sample locations that	
		interannual variability. Any	that will allow the authorizing				appropriately reflect the impact	
		determination relative to	officer to make adjustments to				of the authorized use on habitat	
		the habitat characteristics	livestock grazing that have				conditions. Data points should	
		(Table 2.2 [of the 2015	already been subjected to				fall within Greater Sage-Grouse	
		Final EIST) will be based on					seasonal habitat areas and be	
		existing ecological					collected on ecological sites that	
		condition, ecological	Miles City MD LG-4: The				have the potential to produce	
		potential, and existing	NEPA analysis for renewals and				Greater Sage-Grouse habitat	
			modifications of livestock				NEPA analysis for renewals and	
		vegetation information.						
		This is to ensure the	grazing permits/leases that				modifications of livestock grazing	
		assessment recognizes	include lands within PHMA will				permits/leases that includes	
		whether these habitat	include specific management				lands within SFAs and PHMA	
		<u>characteristics are</u>	thresholds based on GRSG				will include specific management	
		<u>achievable.</u>	Habitat Objectives Table and				thresholds based on GRSG	
	с.		Land Health Standards (43				habitat objectives (Tables 2-2	
		<u>on published</u>	CFR, Part4180.2) and one or				and 2-3) and Land Health	
		characteristics of Greater	more defined responses that				Standards (43 CFR 4180.2), and	
		<u>Sage-Grouse habitat and</u>	will allow the authorizing				one or more defined responses	
		the ecological site	officer to make adjustments to				that will allow the authorizing	
		descriptions, on Table 2.2	livestock grazing that have				officer to make adjustments to	
		of the 2015 Final EIS as	already been subjected to				livestock grazing that have	
		amended], and where	NEPA analysis.				already been subjected to NEPA	
		available and applicable.					analysis.	
		<u>rangeland health</u>	South Dakota MD 34: The				anar 515.	
		determinations made in	NEPA analysis for renewals and					
		accordance with 43 CFR	modifications of livestock					
		<u>4180.2(c).</u>	grazing permits/leases that					
	d.	U	include lands within PHMA will					
		<u>assessment in (b), above, if</u>	include specific management					

<u> </u>					nents/Revisions			NOTES
Colorado		Idaho	Montana/Dakotas	Nevada/California	Oregon	Utah	Wyoming	NOTES
e above.)		the current grazing system	thresholds based on GRSG	(See above.)	(See above.)	(See above.)	(See above.)	(See above.)
		achieves applicable Idaho	Habitat Objectives Table and					
			Land Health Standards (43					
		absent substantial and	CFR, Part4180.2) and one or					
			more defined responses that					
		<u>further grazing</u>	will allow the authorizing					
		<u>management changes are</u>	officer to make adjustments to					
		<u>necessary to achieve</u>	livestock grazing that have					
		desired conditions for	already been subjected to					
		<u>Greater Sage-Grouse</u>	NEPA analysis.					
		<u>habitat.</u>						
	e.	<u>If the process and</u>	South Dakota MD 36: The					
		conditions outlined in (b),	NEPA analysis for renewals and					
		above demonstrate that	modifications of livestock					
			grazing permits/leases that					
			include lands within PHMA will					
		conditions (Table 2.2 [of	include specific management					
		<u>the 2015 Final EIS]),</u>	thresholds, based on GRSG					
		renewed permits will	Habitat Objectives (Table 2-3),					
			Habitat Objectives (Table 2-5),					
		but not limited to the	and ecological site potential,					
		actions outlined in	and one or more defined					
		Appendix C to achieve	responses that will allow the					
		desired habitat conditions.	authorizing officer to make					
		<u>These measures must be</u>	adjustments to livestock grazing					
		tailored to address the	that have already been					
		<u>specific management</u>	subjected to NEPA analysis.					
		<u>issues.</u>						
	f.	<u>Adaptive management</u>	North Dakota					
			Management Direction LG-					
		<u>grazing permits should be</u>	1.8: Develop specific objectives					
		<u>undertaken only where</u>	to conserve, enhance or					
		<u>improper grazing is</u>	restore PHMA based on					
		determined to be the	ecological site descriptions and					
		<u>causal factor in not</u>	assessments (including within					
		<u>meeting habitat</u>	wetlands and riparian areas). If					
		characteristics, specific to	an effective grazing system that					
		site capability, based on	meets GRSG habitat					
		monitoring, with	requirements is not already in					
		appropriate spatial	place, analyze at least one					
		variability. See Appendix	alternative that conserves,					
		<u>C.</u>	restores or enhances GRSG					
	g.		habitat in the NEPA document					
	8.	changes are needed and	prepared for the permit					
		<u>necessary pursuant to (f).</u>	renewal.					
			Tenewai.					
		above, implement	North Dalasta					
		management actions that	North Dakota					
		are narrowly tailored to	Management Direction LG-					
		address the specific habitat						
		objective applied at the	renewals and modifications of					
		<u>allotment or activity plan</u>	livestock grazing permits/leases					
			that include lands within PHMA					
		outlined in Appendix C,	will include specific					

			2019 Amend	ments/Revisions			
Colorado	Idaho	Montana/Dakotas	Nevada/California	Oregon	Utah	Wyoming	NOTES
ee above.)	Grazing Section of BMPs.	management thresholds, based	(See above.)	(See above.)	(See above.)	(See above.)	(See above.)
	<u>(The Governor's plan is</u>	on GRSG Habitat Objectives					
	attached as Appendix I	(Table 2-3), Habitat Objectives					
	for references to this	for GRSG and ecological site					
	section.) The NEPA analysis	potential, and one or more					
	for renewals and	defined responses that will					
	modifications of livestock	allow the authorizing officer to					
	grazing permits/leases that	make adjustments to livestock					
	include lands within SFA	grazing that have already been					
	and PHMA will include	subjected to NEPA analysis.					
	specific management						
	thresholds, based on	Lewistown Action LG 1.5					
	GRSG Habitat Objectives	The NEPA analysis for					
	Table, Land Health	renewals and modifications of					
	Standards (43 CFR 4180.2)	livestock grazing permits/leases					
	and ecological site	that include lands within PHMA					
	potential, and one or more						
		management thresholds, based					
	allow the authorizing	on GRSG Habitat Objectives					
	officer to make	(Table 2-2), Land Health					
	adjustments to livestock	Standards (43 CFR, Part					
	grazing that have already	4180.2) and ecological site					
	been subjected to NEPA	potential, and one or more					
	analysis.	defined responses that will					
		allow the authorizing officer to					
		make adjustments to livestock					
		grazing that have already been					
		subjected to NEPA analysis.					
		Lewistown Action LG-1.10:					
		Conserve, enhance, or restore					
		PHMA based on ecological site					
		descriptions (including wetlands					
		and riparian areas). If an					
		effective grazing system that					
		meets GRSG habitat objectives					
		is not already in place, analyze					
		at least one allotment-specific					
		alternative within the planning					
		unit/permit renewal process					
		that conserves, restores, or enhances PHMA.					
		ennances Prima.					

			2019 Amendm	nents/Revisions			
Colorado	Idaho	Montana/Dakotas	Nevada/California	Oregon	Utah	Wyoming	NOTES
MD RM-10: Allotments within	MD LG 17: Allotments within	Dillon MD LG 17: Allotments	MD LG II: Allotments within	MD LG 14: Allotments within	MA-LG-9: In PHMA,	MD LG 5: BLM monitoring	Summary statement:
PHMA, focusing on those	SFA, followed by those within	within SFA, followed by those	SFA, followed by those within	SFA, followed by those within	assess livestock grazing in	would be used to evaluate	 Monitoring to LHS/habitat
containing riparian areas,	PHMA with declining Greater	within PHMA, and focusing on	PHMAs, and focusing on those	PHMA, and focusing on those	riparian and meadow	progress toward achieving land	objectives, including riparian
	Sage-Grouse populations,	those containing riparian areas,	containing riparian areas,	containing riparian areas, including	complexes and ensure	health standards within PHMA	monitoring and prioritizing
be prioritized for field checks	<u>defined by a soft or hard</u>	including wet meadows, will be	including wet meadows, will be	wet meadows, will be prioritized	recovery or maintenance of	and, where not achieved, to	"field checks"
to help ensure compliance with		prioritized for field checks to	prioritized for field checks to	for field checks to help ensure	appropriate vegetation and	determine if existing grazing	
the terms and conditions of the		help ensure compliance with	help ensure compliance with	compliance with the terms and	water quality. Where	management practices or levels	Applicability for RMPs?
grazing permits. Field checks	health concerns, and focusing		the terms and conditions of the	0 01	recovery or maintenance is	of grazing use on public lands are	
could include monitoring for	on those containing riparian	grazing permits. Field checks	grazing permits. Field checks	Field checks could include	not occurring and the	significant factors in failing to	and "field checks" is not an
actual use, utilization, and use	areas, including wet meadows,	can include monitoring for	could include monitoring for	monitoring for actual use,	causal factor is livestock	meet, maintain or make progress	
supervision.	will be prioritized for field	actual use, utilization, and use	actual use, utilization, and use	utilization, and use supervision.	grazing, reduce pressure on	toward achieving the standards	staffing, budget, and the
	checks to help ensure	supervision. Management and	supervision.		riparian or wet meadow	and conform with the guidelines,	consideration of other
	compliance with the terms and	conservation action			vegetation used by GRSG in	which through this process will	resource issues that include,
	conditions of the grazing	prioritization will occur at the			the summer by adjusting	identify appropriate actions to	but are not limited to GRSG,
	permits. Field checks can	Conservation Area (CA) scale			grazing management	address nonachievement and	other listed species, LHS,
	include monitoring for actual	and be based on GRSG			practices (e.g., use	nonconformance.	wildfire, or other resource
	use, utilization, and use	population and habitat trends:			fencing/herding techniques,		concerns.
	supervision. Management and	Focusing management and			or changes in seasonal use	Allotments within SFAs,	
	conservation action	conservation actions first in			or livestock distribution).	followed by those within PHMA,	The 2015 FWS listing
	prioritization will occur at the	SFA followed by areas of				and focusing on those containing	determination cited the
	Conservation Area (CA) scale	PHMA outside SFA.			Allotments within SFA,	riparian areas, including wet	prioritization for reviewing
	and be based on GRSG				followed by those within	meadows, will be prioritized for	grazing permits and
	population and habitat trends:	Billings LG-16, Lewistown			PHMA, and focusing on	field checks to help ensure	conducting monitoring to
	Focusing management and	LG 1.5, HiLine Grazing			those containing riparian	compliance with the terms and	determine if changes may be
	conservation actions first in	MD-17, Miles City MD-5,			areas, including wet	conditions of the grazing	needed to meet GRSG habitat
	SFA followed by areas of PHMA outside SFA.	North Dakota Part of			meadows, will be prioritized for field checks	permits. Field checks include	conditions – though it also
	PHIMA OUTSIDE JFA.	Management Direction LG 1.5, and South Dakota MD-			to help ensure compliance	monitoring for actual use, utilization, and use supervision.	noted that other criteria
		35: Allotments within PHMA,			with the terms and	utilization, and use supervision.	could be considered.
					conditions of the grazing		12 CER 4100 dias at PLM to
		focusing on those containing riparian areas, including wet			permits. Field checks could		43 CFR 4180 directs BLM to
		meadows, will be prioritized			include monitoring for		take appropriate action if
		for field checks to help ensure			actual use, utilization, and		livestock are the causal factor for failing to achieve the land
		compliance with the terms and					health standards. Handbook
		conditions of the grazing			use supervision.		
		permits. Field checks can					4180 also provided guidance on assessing/evaluating
		include monitoring for actual					Standard 2 which is the
		use, utilization, and use					Riparian standard.
		supervision					nipariari stanuaru.
			1	1	<u> </u>	1	l

			2019 Amendm	ents/Revisions			
Colorado	Idaho	Montana/Dakotas	Nevada/California	Oregon	Utah	Wyoming	NOTES
MD RM-II: (ADH) Manage –	-	Lewistown Action LG-1.18:	MD LG 12: Grazing	—	MA-LG-8: In PHMA,	MD LG 10: Grazing between In	Summary statement:
riparian areas and wet		Within PHMA, reduce hot	management strategies for		manage riparian areas and	<u>PHMA, for riparian habitats</u>	 Management of riparian
meadows for proper		season grazing on riparian and	riparian areas and wet		wet meadows for proper	and/or wet meadow	areas/wet meadows
functioning condition within		meadow complexes to	meadows will, at a minimum,		functioning condition.	communities utilized by Greater	
ADH.		promote recovery or	maintain or achieve proper		-	Sage-Grouse, livestock grazing	Applicability for RMPs?
		maintenance of appropriate	functioning condition (PFC) and			would be managed and upland	Riparian management is not a
MD RM-12: (ADH) Within		vegetation and water quality.	promote GRSG brood-rearing			habitats will be balanced to	solely livestock grazing issue.
ADH, manage wet meadows to		Use fencing/herding techniques	habitat objectives (<u>Table 2-2</u>)			promote the production and	Managing for PFC is related to
maintain diverse species		or seasonal use or livestock	within PHMAs and GHMAs.			availability of beneficial forbs to	land health standards and
richness, including a		distribution changes to reduce				GRSG for use during nesting and	vegetation management in an
component of perennial forbs,		pressure on riparian or wet				brood-rearing, while maintaining	RMP. Including it in the
relative to site potential (i.e.,		meadow vegetation used by				upland conditions and functions.	livestock grazing section
reference state).		GRSG in summer. Hot season				Grazing in meadows, mesic	implies that grazing is the only
,		use of riparian and wet				habitats, and riparian pastures	affected or responsible
MD RM-13: (ADH) Establish		meadow complexes may be				also will be balanced to promote	
permit/lease terms and		authorized where consistent				the production and availability of	· · · · · · · · · · · · · · · · · · ·
conditions in conjunction with		with overall GRSG habitat				beneficial grasses and forbs for	Desired conditions and
grazing strategies to ensure		objectives and where use is				use during late brood-rearing	associated management for
that the timing and level of		currently resulting in vegetative				within PHMA, while maintaining	riparian areas are a
utilization results in wet		conditions that are in				upland conditions and functions.	component of the "suitable
meadows with diverse species		conformance with land health				upland conditions and functions.	habitat" action when it comes
richness, including a		standards.					to GRSG, and/or are
component of perennial forbs,		standards.					addressed in vegetation
relative to site potential (i.e.,		HiLine (Same as Riparian					sections of the original RMP
reference state).		MD-10): Grazing techniques					decisions. As this is a
reference state).		and practices detailed in					duplicative concept with
		Appendix I will be implemented					language and concepts in the
		to reduce hot season (summer)					GRSG habitat objectives and
		grazing on riparian and					land health standards it is
		meadow complexes within the					
		PHMA. Alternative water					being considered for removal
		facilities will be installed to					from specific reference in the
							livestock grazing section
		relieve grazing impacts on riparian areas inside of priority					under Alternatives 4 and 5.
		sage-grouse habitat.					
MD RM-14: (ADH) Authorize —	_		MD LG 16: Authorize new		MA-LG-10: In PHMA,		Summary statement:
new water development only			water developments for		manage existing and limit		 Guidance/Management for
after determining that the			diversion from spring or seep		authorization of new water		new water developments
project will not adversely			source, in accordance with		developments to projects		new water developments
impact GRSG from habitat loss.			state water law and subject to		that have a neutral effect or		Applicability for RMPs?
Ensure that adequate long-term			valid existing rights when		are beneficial <u>effect</u> to		Developed consolidated
grazing management is in effect			PHMAs and GHMAs will		GRSG habitat (such as by		management in the alternative
before authorizing water			benefit from or not be		shifting livestock use away		table above that combines
developments that may			negatively impacted by the new		from critical areas). New		
increase levels of use or change			development. This includes		developments that divert		management for any new
					surface water must be		grazing improvement project.
season of use. Give specific			developing new water sources				See chapter 2 Livestock
consideration to adjacent or			for livestock as part of a grazing		designed to maintain		Grazing decisions RM-4 and
downstream wetland habitat			management plan to improve		riparian or wet meadow		RM-5.
when a project entails a			GRSG habitat.		vegetation and hydrology to		
diversion from a spring or seep.					meet GRSG needs.		

			2019 Amendr	nents/Revisions			
Colorado	Idaho	Montana/Dakotas	Nevada/California	Oregon	Utah	Wyoming	NOTES
MD RM-15: (ADH) Analyze —		—	MD LG 15: In accordance	MD LG 6: Authorize new,	MA-LG-II: In PHMA,	MD LG 12: Existing water	Summary statement:
prings, seeps and associated			with state water law and	relocate, or modify existing range	evaluate existing water	developments associated with	 Guidance/Management of
ipelines to determine if			subject to valid existing rights,	improvements that use seeps or	developments (springs,	springs and seeps will be	existing water development
nodifications are necessary to			remove or modify water	springs as a water source to	seeps, etc., and their	evaluated and associated	(monitor, evaluate, maintai
naintain the continuity of the			developments that are	enhance their year round	associated pipelines) to	pipelines/structures to those	adjust, and/or remove)
redevelopment riparian area.			negatively impacting GRSG	functionality. Install or retrofit	determine if modifications	developments having a negative	
necessary to maintain GRSG			habitats.	wildlife escape ramps in all	are necessary to maintain	effect on PHMA will be	Applicability for RMPs?
opulations or reverse a				livestock water troughs or water	or improve riparian areas	modified.	Developed consolidated
ownward population trend			MD LG 17: Modify water	storage facilities (e.g., catchments,	and GRSG habitat. Make		management in the alternativ
aused by habitat loss, modify			development projects to	storage tanks).	modifications where		table above that combines
he project as necessary to			ensure riparian habitats in		necessary, considering		management for any existing
estore the applicable wetland			PHMAs and GHMAs are being	Maintain, enhance, or reestablish	impacts on other water		grazing improvement project
abitat.			maintained or improved in	riparian areas in PHMA and GHMA			See chapter 2 Livestock
			compliance with valid existing		considerations are neutral		Grazing decisions RM-4 and
			rights and in accordance with	MD LG 7: Identify playas,	or beneficial to GRSG.		RM-5.
			state water law.	wetlands, and springs that have			
				been modified for livestock			
			MD LG 19: In PHMAs and	watering within PHMA and GHMA.			
			GHMAs, remove livestock	Identify those water improvements			
			ponds built in perennial	that have Greater Sage-grouse			
			channels that are negatively	population limiting implications,			
			impacting riparian habitats,	and develop projects for			
			either directly or indirectly,	rehabilitation. Further actions			
			unless riparian access is able to				
			be controlled and negative	development of water off site; new			
			impacts effectively mitigated	water should be available before			
			(e.g.; water gap fence to pond),	existing water is eliminated.			
			and do not permit new ones to				
			be built in these areas subject				
			to valid existing rights. Prior to				
			pond removal, offsite watering				
			options will be examined and				
			considered.				<u> </u>

			2019 Amendme				
Colorado	Idaho	Montana/Dakotas	Nevada/California	Oregon	Utah	Wyoming	NOTES
MD RM-16: (ADH) Manage	—	North Dakota –		—	MA-LG-12: In PHMA, —		Summary statement:
or a habitat objective that is		Management Direction LG-			ensure that vegetation		 Direction for "treatments"
rimarily sagebrush with a		1.16: In PHMA, allow			treatments conserve,		that help GRSG
nosaic of seral stages and		treatments that conserve,			enhance or restore GRSG		
agebrush in all age classes. On		enhance or restore GRSG			habitat (this includes		Applicability for RMPs?
site-by-site basis, do not		habitat as well as other priority			treatments that benefit		Not a grazing specific action
llow treatments that would		species habitat (this includes			livestock).		Management actions for
dversely affect GRSG		treatments that benefit					vegetation treatments are
opulations. See Appendix H,		livestock as part of an					addressed in management
Guidelines for Implementation		AMP/Conservation Plan to					actions in the vegetation
nd Adaptive Management.		improve GRSG habitat).					section, which are not being
							changed by this amendment
							effort. As this is a duplicative
							concept with language and
							concepts in the GRSG habit
							objectives and land health
							standards it is being
							considered for removal from
							specific reference in the
							livestock grazing section
							under Alternatives 4 and 5.
_	MD LG 5: When modifying	Dillon MD LG 5: When –		_			Summary statement:
	grazing management, analyze	modifying grazing management,					 Future NEPA guidance
	indirect impacts on habitat,	analyze indirect impacts on					
	including changes in fuel loading						Applicability for RMPs?
	and wildfire behavior.	fuel loading and wildfire					Identification of what to
		behavior.					analyze in future NEPA
							actions is not an RMP
							decision. That's a NEPA poli
							implementation issue.

			2019 Amendmen	ts/Revisions			
Colorado	Idaho	Montana/Dakotas	Nevada/California	Oregon	Utah	Wyoming	NOTES
MD RM-17: (PHMA) Evaluate —		Lewistown Action LG-1.21: -			MA-LG-13: In PHMA, —		Summary statement:
the role of existing seedings		Evaluate the role of existing			evaluate the role of existing		• Seedings (evaluate, restore,
that are currently composed of		seedings that are currently			seedings that are currently		management)
primarily introduced perennial		composed of primarily			composed of primarily		
grasses in and adjacent to		introduced perennial grasses in			introduced perennial		Applicability for RMPs?
GRSG PHMA to determine if		and adjacent to PHMA to			grasses to determine if they		Not a grazing specific action.
they should be restored to		determine if they should be			should be restored to		Management objectives for
sagebrush or habitat of higher		restored to sagebrush or			sagebrush or habitat of		vegetation treatments are
quality for GRSG. If these		habitat of higher quality for			higher quality for GRSG. If		encapsulated by the GRSG
seedings are part of an		GRSG. If these seedings are			existing seedings provide		habitat objective and are
Allotment Management		part of a grazing management			value in conserving or		captured in management by
Plan/Conservation Plan or if		plan that is providing value in			enhancing GRSG habitats,		the connection between LHS
they provide value in		conserving or enhancing native			then no restoration will be		and habitat objectives. As this
conserving or enhancing the		rangelands in PHMA and other			necessary. Assess the		is a duplicative concept with
rest of PHMA, then no		priority wildlife habitats, then			compatibility of these		language and concepts in the
restoration would be		no restoration will be			seedings for GRSG habitat		GRSG habitat objectives and
necessary. Assess the		necessary. Assess the			during the land health		land health standards it is
compatibility of these seedings		compatibility of these seedings			assessments.		being considered for removal
for GRSG habitat or as a		for GRSG habitat or as a					from specific reference in the
component of a grazing system		component of a grazing system					livestock grazing section
during the land health		during the land health					under Alternatives 4 and 5.
assessments (Davies et al.		evaluation and determination					under Alternatives Fand 5.
2011).		process.					
		p. 00000					
For example: Some introduced		North Dakota					
grass seedings are an integral		Management Direction LG-					
part of a livestock management		1.17 : Evaluate the role of					
plan and reduce grazing		existing seedings that are					
pressure in important		currently composed of					
sagebrush habitats or serve as a		primarily introduced perennial					
strategic fuels management		grasses in and adjacent to					
area.		PHMA to determine if they					
		should be restored to					
		sagebrush or habitat of higher					
		quality for GRSG. If these					
		seedings are part of an					
		AMP/Conservation Plan or if					
		they provide value in					
		conserving or enhancing the					
		rest of the PHMA, then no					
		restoration will be necessary.					
		Assess the compatibility of					
		these seedings for GRSG					
		habitat or as a component of a					
		grazing system during the land					
		health assessments.					
		medium assessiments.					

			2019 Amendm	ents/Revisions			-
Colorado	Idaho	Montana/Dakotas	Nevada/California	Oregon	Utah	Wyoming	NOTES
MD RM-18: (ADH) Design	MD LG II: Design any new	Dillon MD LG II: Design any	MD LG 13: For range	—	MA-LG-14: In PHMA,	MD LG II: Range	Summary statement:
new range improvement	structural range improvements,	new structural range	improvement projects, review		design new structural range	improvement projects will be	 Guidance/Management for
projects to enhance livestock	following appropriate	improvements, following	Objective SSS 4 and apply MDs		improvements to have a	planned and authorized in a way	new range improvement
distribution and to control the	cooperation, consultation and	appropriate cooperation,	SSS I through SSS 4 when		neutral effect or conserve,	that contributes to rangeland	projects
timing and intensity of	coordination, to minimize	consultation and coordination,	reviewing and analyzing		enhance, or restore GRSG	health and maintains and/or	
utilization. Examples of	and/or mitigate impacts on	to minimize and/or mitigate	projects and activities		habitat through an	improves Greater Sage-Grouse	Applicability for RMPs?
structural range improvement	GRSG habitat. Any new		proposed in GRSG habitat.		improved grazing	and its habitat.	Developed consolidated
projects are cattle guards,	structural range improvements	new structural range			management system		management in the alternative
fences, corrals, pipelines,	should be placed along existing				relative to GRSG		table above that combines
troughs, storage tanks,	disturbance corridors or in	along existing disturbance			objectives. Structural range		management for any new
windmills, ponds/reservoirs,	unsuitable habitat, to the	corridors or in unsuitable			improvements, in this		grazing improvement projects.
solar panels, and spring	extent practical, and are	habitat, to the extent practical,			context, include but are not		See chapter 2 Livestock
developments.	subject to RDFs (Appendix	and are subject to RDFs			limited to: cattle guards,		Grazing decisions RM-4 and
	C). Structural range	(Appendix C). Structural			fences, exclosures, corrals		RM-5.
Include a plan to monitor and	improvement in this context,	range improvement in this			or other livestock handling		
control invasive plant species	include, but are not limited to:	context, include, but are not			structures; pipelines,		
following any related ground	fences, exclosures, corrals or	limited to: fences, exclosures,			troughs, storage tanks		
disturbance. Place mineral or	other livestock handling	corrals or other livestock			(including moveable tanks		
salt supplements away from	structures; pipelines, troughs,	handling structures; pipelines,			used in livestock water		
water sources and leks in	storage tanks (including	troughs, storage tanks			hauling), windmills,		
locations that enhance livestock	moveable tanks used in	(including moveable tanks used			ponds/reservoirs, solar		
distribution.	livestock water hauling),	in livestock water hauling),			panels and spring		
	windmills, ponds/reservoirs,	windmills, ponds/reservoirs,			developments. Potential for		
	solar panels and spring	solar panels and spring			invasive species		
	developments.	developments.			establishment or increase		
					following construction must		
		Lewistown Action LG-1.24:			be considered in the		
		In PHMA, site and design new			project planning process		
		structural range improvements			and monitored and treated		
		and location of supplements			post-construction.		
		(salt or protein blocks) to					
		conserve, enhance, or restore					
		said habitat through an					
		improved grazing management					
		system relative to GRSG					
		habitat objectives. Structural					
		range improvements, in this					
		context, include cattle guards,					
		fences, exclosures, corrals, or					
		other livestock handling					
		structures; pipelines, troughs,					
		storage tanks (including					
		movable tanks used in livestock					
		water hauling), windmills,					
		ponds/reservoirs, solar panels,					
		and spring developments).					
		North Dakota					
		Management Direction LG-					
		1.18 : In PHMA, design any new					
		structural range improvements					
		and location of supplements					
		(salt or protein blocks) to					
		I (sait of protein blocks) to				1	1

				Iments/Revisions			
Colorado	Idaho	Montana/Dakotas	Nevada/California	Oregon	Utah	Wyoming	NOTES
See above.)	(See above.)	conserve, enhance, or restore	(See above.)	(See above.)	(See above.)	(See above.)	(See above.)
		GRSG habitat through an					
		improved grazing management					
		system relative to GRSG					
		objectives. Structural range					
		improvements, in this context,					
		include but are not limited to:					
		cattle guards, fences,					
		exclosures, corrals or other					
		livestock handling structures;					
		pipelines, troughs, storage					
		tanks (including moveable tanks	;				
		used in livestock water					
		hauling), windmills,					
		ponds/reservoirs, solar panels					
		and spring developments.					
		Potential for invasive species					
		establishment or increase					
		following construction must be					
		considered in the project					
		planning process and					
		monitored and treated post-					
		construction.					
		South Dakota MD-37:					
		Range Improvements:					
		Range improvements in PHMA					
		would be allowed if the					
		improvements would not					
		impact GRSG, improvements					
		would provide a conservation					
		benefit to GRSG such as fences					
		for protecting important					
		seasonal habitats, or if					
		improvements would meet the					
		lek buffer requirement. Refer					
		to Appendix B for a discussion					
		about GRSG lek buffers.					

				dments/Revisions			
Colorado	Idaho	Montana/Dakotas	Nevada/California	Oregon	Utah	Wyoming	NOTES
MD RM-19: (PHMA) Where —		Lewistown Action LG-1.26:	_	MD LG 8: Design new and	—	—	Summary statement:
conditions create the potential		When developing or modifying		maintain existing water projects to			 West Nile virus guidance
or impacts from West Nile		water developments in PHMA		avoid standing pools of shallow			
virus from developments or		and GHMA, use applicable		water that would spread West			Applicability for RMPs?
modification of water		RDFs (Appendix C) to reduce		Nile Virus.			These are worded like a BMF
levelopments, use preferred		potential impacts from West					and were added to the
design features (PDFs)/RDFs to		Nile virus.					livestock grazing BMP
nitigate the potential impacts.							appendix.
See Appendix C (Required		HiLine (Same as					
Design Features, Preferred		Vegetation MD-9): Water					
Design Features, and Suggested		developments will be installed					
Design Features).		and/or maintained to facilitate					
		control of livestock use of					
		vegetation, support other uses,					
		and protect resource values. In					
		order to minimize surface					
		disturbance, have reliable water					
		of better quality and not alter					
		normal surface flow of water,					
		alternative water developments					
		will be emphasized before					
		constructing new pits and					
		reservoirs. The BLM will					
		manage water developments					
		within Greater Sage-Grouse					
		habitat to reduce the spread of					
		West Nile virus (Appendix I).					
		Miles City MD I: Where					
		deemed effective, water					
		developments will be managed					
		to reduce the spread of West					
		Nile virus (see Appendix C,					
		GRSG Required Design					
		Features).					
		North Dakota					
		Management Direction LG-					
		1.19 : When developing or					
		modifying water developments					
		in PHMA, use applicable RDFs					
		(Appendix C of the 2015					
		Greater Sage-Grouse					
		Approved RMPA/ROD2 [BLM					
		2015a]) to mitigate potential					
		impacts from West Nile virus.					
		impacts from west type virus.					

				nents/Revisions	_		
Colorado	Idaho	Montana/Dakotas	Nevada/California	Oregon	Utah	Wyoming	NOTES
MD RM-20: (PHMA) Evaluate existing structural range improvements to determine if modifications are necessary to maintain GRSG populations or reverse a downward population trend caused by habitat loss. Modify, relocate, or remove projects as necessary.	MD LG 12: During the land health assessment and grazing permit renewal process, evaluate existing livestock management range improvements with respect to their effect on GRSG habitat. Consider removal of projects that are not needed for effective livestock management, are no longer in working condition, and/or negatively affect GRSG habitat, with the exception of functional projects needed for management of habitat for other threatened, endangered or proposed species or other sensitive resources.	are no longer in working condition, and/or negatively affect GRSG habitat, with the		MD LG 10: Avoid construction of livestock facilities and supplemental feeding of livestock within 1.2 mile of occupied or pending leks in Greater Sage-grouse habitat unless it is part of an approved habitat improvement project or approved by the authorized officer to improve ecological health or to create mosaics in dense sagebrush stands that are needed for optimum Greater Sage-grouse habitat.		MD LG 8: In GHMA and PHMA, existing range improvements (e.g., fences, livestock/wildlife watering facilities) would continue to be evaluated and modified when necessary. The potential risk to Greater	 Summary statement: Guidance/Management of existing structural range improvements (evaluate, maintain, adjust, and/or remove), as well as mineral/salt supplements <u>Applicability for RMPs?</u> Developed a consolidated management action specific to management of existing grazing projects in GRSG HMAs. See chapter 2 Livestock Grazing decisions RM-4 and RM-5.
Place mineral and salt supplements away from water sources and leks in locations that enhance livestock distribution.	MD LG 9: Evaluate the locations where salt/supplements are placed, coordinate salt/supplements placement to reduce impacts on GRSG habitat (e.g., existing disturbed areas).		supplemental feeding locations, temporary or mobile watering, and new handling facilities (e.g., corrals and chutes) at least 1 mile from riparian areas, springs, and meadows. The distance can be greater based on site-specific conditions.	Supplemental feeding in Greater Sage-grouse habitat must be part of an approved habitat improvement plan or approved by the authorized officer.		Supplements and supplemental feeding would continue to be authorized where appropriate.	As for the supplement guidance, supplemental feeding has to be approved by the AO, whether it is in this RMP or not. And terms and conditions can include (and usually do include) specifications on where/where not to place supplements. As such, it is not an RMP decision, but fits better as grazing BMPs, where these concepts are considered to be moved under Alternatives 4 and 5.

				nents/Revisions			
Colorado	Idaho	Montana/Dakotas	Nevada/California	Oregon	Utah	Wyoming	NOTES
(See above.) (See above.)	(See above.)	evaluated and if necessary	(See above.)	(See above.)	(See above.)	(See above.)	(See above.)
		modified to conserve, enhance					
		or restore sage-grouse habitat.					
		North Dakota					
		Management Direction LG-					
		1.20: In PHMA, evaluate					
		existing structural range					
		improvements and location of					
		supplements (salt or protein					
		blocks) during grazing lease					
		renewal process to make sure					
		they conserve, enhance or					
		restore GRSG habitat.					
MD RM-21: (ADH) Mark	MD LG 13: Prioritize removal,	Dillon MD LG 13: Prioritize	MD LG 14: Build or modify	MD LG 9: Remove, modify, or	MA-LG-16: To reduce	—	Summary statement:
fences in high risk areas	modification or marking of	removal, modification or	livestock exclosures so that	mark fences identified as high risk	outright GRSG strikes and		 Fences – construction,
(Christiansen 2009; Stevens	fences or other structures in	marking of fences or other	they are large enough to	for collisions, generally within 1.2	mortality, remove, modify		reconstructions, marking,
2011).	areas of high collision risk	structures in areas of high	provide hiding cover to GRSG	miles of occupied or pending leks.	or mark fences in high risk		removal, modification, etc.
	following appropriate	collision risk following	and other wildlife and to		areas (Stevens et al. 2012)		
(PHMA) Where marking fences		appropriate cooperation,	reduce the possibility of wildlife		based on proximity to lek		Applicability for RMPs?
does not reduce fence-related	coordination to reduce the	consultation and coordination	collisions with fences		(e.g., within 1.2 miles of a		Developed a consolidated
GRSG mortality, modify fences.	,	to reduce the incidence of	(Christiansen 2009; Stevens		lek), lek size, and		management action specific t
	due to fence strikes (Stevens et		2011; NRCS 2012).		topography, or as latest		management of fences in
reduce GRSG mortality and the	al. 2012).	strikes (Stevens et al. 2012).			science indicates. Prioritize		GRSG HMAs. See chapter 2
fence-related mortality is			MD LG 23: Fences shall not		actions in SFA first, then		Livestock Grazing decision
sufficient to adversely affect		Lewistown Action LG-1.27	be constructed or		PHMA.		RM-6.
GRSG populations, remove		Identify and mark fences in high	reconstructed within 1.2 miles				
fences.		and moderate risk areas, as	from the perimeter of occupied		Employ NRCS fence		
		identified by the use of "The	leks, unless the collision risk		collision risk tool		
		Fence Collision Risk Tool"	can be mitigated through design		(NRCS/CEAP Conservation		
		(http://www.nrcs.usda.gov/Inter	features or markings (e.g.,		Insight Publication		
		net/FSE_DOCUMENTS/)	mark, laydown fences, and		"Applying the Sage Grouse Fence Collision Risk Tool		
		within PHMA, based on	design).				
		proximity to lek, lek size, and			to Reduce Bird Strikes").		
		topography (Stevens 2011, Stevens et al. 2013).					
		Stevens et al. 2013).					
		North Dakota					
		Management Direction LG-					
		1.20: To reduce outright					
		GRSG strikes and mortality,					
		remove, modify or mark fences					
		in high risk areas within PHMA					
		based on proximity to lek, lek					
		size, and topography.					
		isize, and topography.					

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Colorado	Idaho	Montana/Dakotas	Nevada/California	Oregon	Utah	Wyoming	NOTES
MD RM-22: (ADH) Monitor	—	Lewistown Action LG-1.27:	—	—	MA-LG-17: In PHMA,	—	<u>Summary statement:</u>
for and treat invasive species		In PHMA and GHMA, monitor			monitor for and treat		 Invasive species associated
associated with existing range		for and treat invasive and			noxious weeds and treat		with range improvements
improvements (Gelbard and		noxious weed species			invasive species where		
Belnap 2003; Bergquist et al.		associated with existing range			needed, associated with		Applicability for RMPs?
2007).		improvement projects.			existing range		Don't need a specific
					improvements.		management action related to
		North Dakota					weeds in livestock grazing.
		Management Direction LG-					The GRSG habitat objectives
		1.20: Monitor for, and treat					encapsulates the weed issue.
		invasive species associated with					The language in the
		existing range improvements.					management actions are not
							required to be an RMP
							decision to implement given
							language that is already
							captured in the habitat
							objective to manage for
							suitable GRSG habitat.
MD RM-23: (ADH) At the time		Dillon MD LG 18, Billings	MD LG 21: At the time a	MD LG 15: At the time a	MA-LG-18: At the time a	MD LG 6: At the time a	Summary statement:
a permittee or lessee voluntarily		Management Direction LG-	• •	permittee or lessee voluntarily	permittee or lessee	permittee or lessee voluntarily	 Relinquishment
relinquishes a permit or lease,	relinquishes a permit or lease,	17, Lewistown Action LG	relinquishes a permit or lease,	relinquishes a permit or lease, the	voluntarily relinquishes a	relinquishes a permit or lease,	
the BLM will consider whether	the BLM will consider whether	1.5, HiLine LG-16, Miles	the BLM will consider whether	BLM will consider whether the	permit or lease, the BLM	the BLM will consider whether	Applicability for RMPs?
the public lands where that	the public lands where that		the public lands where that	public lands where that permitted	will consider whether the	the public lands where that	Retained this specific grazing
permitted use was authorized	permitted use was authorized	6, North Dakota	permitted use was authorized	use was authorized should remain	public lands where that	permitted use was authorized	management action in chapter
shall remain available for	should remain available for	Management Decision LG-	shall remain available for	available for livestock grazing or be		should remain available for	2 as Management Action RM-
livestock grazing or be used for	livestock grazing or be used for		livestock grazing or be used for		authorized should remain	livestock grazing or be used for	7.
other resource management	other resource management	At the time a permittee or	other resource management	management objectives, such as	available for livestock	other resource management	
objectives, such as reserve	objectives, such as reserve	lessee voluntarily relinquishes a	objectives, such as reserve	reserve common allotments. This	grazing or be used for	objectives, such as reserve	
common allotments or fire	common allotments or fire	permit or lease, the BLM will	common allotments and fire	does not apply to or impact grazing		common allotments or fire	
breaks. This does not apply to	breaks. This does not apply to	consider whether the public	breaks. This does not apply to	preference transfers, which are	management objectives,	breaks. This does not apply to	
or impact grazing preference	or impact grazing preference	lands where that permitted use	or impact grazing preference	addressed in 43 CFR, Part 4110.2-	such as reserve common	or impact grazing preference	
transfers, which are addressed	transfers, which are addressed	was authorized should remain	transfers, which are addressed	3.	allotments or fire breaks.	transfers, which are addressed in	
in 43 CFR, Part 4110.2-3.	in 43 CFR 4110.2-3.	available for livestock grazing	in 43 CFR, Part 4110.2-3.		This does not apply to or	43 CFR 4110.2-3.	
		or be used for other resource			impact grazing preference		
When a permittee or lessee		management objectives, such as			transfers, which are		
voluntarily relinquishes grazing		reserve common allotments or			addressed in 43 CFR, Part		
preference, consider conversion	1	fire breaks. This does not apply			4110.2-3.		
of the allotment to a reserve		to or impact grazing preference					
common allotment that will		transfers, which are addressed					
remain available for use on a		in 43 CFR 4110.2-3.					
temporary, nonrenewable basis							
for the benefit of GRSG habitat.		Billings MD-LG-II: All					
Authorize temporary		allotments wholly located in					
nonrenewal permits in Reserve Common Allotments to meet		Greater Sage-Grouse PHMA					
resource objectives elsewhere		will be considered for					
such as rest or deferment due		retirement, where the base					
		property owner relinquishes					
to fire or vegetation treatments	·	their preference					
Temporary use of reserve common allotments would not							
be allowed due to drought or							
overuse of customary							
allotments.		1					1

				ments/Revisions			1
Colorado	Idaho	Montana/Dakotas	Nevada/California	Oregon	Utah	Wyoming	NOTES
	MD LG 10: Incorporate RDFs		—	MD LG 3: The timing and location —		MD LG 9: Livestock trailing	Summary statement:
	into Terms and Conditions for	Incorporate RDFs into Terms		of livestock turnout and trailing		that is authorized will include a	 Management of trailing
	crossing permits to limit	and Conditions for crossing		shall not contribute to livestock		trailing plan to utilize non-habitat	activities
		permits to limit disturbance of		congregation on occupied or		to the extent possible, include	
		occupied leks when trailing		pending leks during the Greater		specific routes and timeframes	Applicability for RMPs?
	BLM administered lands in the	livestock across BLM		Sage-grouse breeding season of		for trailing, utilize existing trails,	The existing language fits
	spring. Work with permittees	administered lands in the		March I through June 30.		and avoid stopovers on occupied	better as BMPs, not as RN
	in locating over-nighting,	spring. Work with permittees				leks, as appropriate.	decisions. Included in the
		in locating over-nighting,					appendix under Alternativ
	to minimize impacts on	watering and bedding locations					and 5.
	seasonal habitats.	to minimize impacts on					
		seasonal habitats.					
	MD LG 7: Where	Dillon MD LG 7: Where -		- -			Summary statement:
	opportunities exist, establish	opportunities exist, establish					 Forage reserves
	forage reserves to facilitate	forage reserves to facilitate					
	restoration and rehabilitation efforts in GRSG habitat areas.	restoration and rehabilitation efforts in GRSG habitat areas.					Applicability for RMPs?
							Reserve Common Allotm
	is set aside for use as needed	A forage reserve is an area that is set aside for use as needed					are already included in
		by various permittees who					Management Action RM- such, a separate action is
		might be displaced by wildfire,					needed as an RMP action
		ESR, restoration efforts, etc.					area would still be availab
	rather than having a term	rather than having a term					for livestock grazing, but
		permit issued for grazing like a					authorizations would be
	regular allotment.	regular allotment.					applied to fill in for areas
							where authorized uses c
							not occur due to fire or
							vegetation treatments.
							Additional language is inc
							in the BMP appendix for
							Alternatives 4 and 5.

Colorado	Idaho	Montana/Dakotas	2019 Amendments/ Nevada/California	Oregon	Utah	Wyoming	NOTES
			MD LG 9: When a transfer —				Summary statement:
			application is received for				• Transfers
			preference on an allotment				
			within GRSG habitat:				Applicability for RMPs?
			• Transfer of Preference: A				Not needed as an RMP acti
			transfer of preference will be				can consider this type of
			approved unless the applicant				action without an RMP. Mo
			does not meet qualifications				of this action just cites to
			(43 CFR, Part 4110.1 and				regulations or refers to po
			4110.2). A transfer will be				Considered for removal u
			approved to an unqualified				Alternatives 4 and 5.
			applicant if 4110.2-3(e)				
			applies.				
			 Issuing the permit: In 				
			accordance with Section				
			402(c)(2) of FLPMA, a new				
			permit will be issued to the				
			new preference holder with				
			the same terms and				
			conditions as the terminated				
			permit unless:				
			 A NEPA analysis of 				
			alternative terms and				
			conditions has been				
			completed. If changes in				
			terms and conditions are				
			needed to meet sage-				
			grouse habitat needs or otherwise make progress				
			toward meeting land				
			health standards, issue a				
			decision offering a permit				
			with the new terms and				
			conditions				
			 If a new permit is issued 				
			as required by Section				
			402(c)(2) of FLPMA, then				
			determine priority for				
			completing land health				
			evaluations, habitat				
			assessments and NEPA				
			analysis as described in				
			MD [´] LG I.				

			2019 Amendments	/Revisions			
Colorado	Idaho	Montana/Dakotas	Nevada/California	Oregon	Utah	Wyoming	NOTES
		—	MD LG 20: In PHMA and —		—	—	Summary statement:
			GHMA, rest areas that have				 Resting after vegetation
			received vegetative treatments				treatments
			from livestock grazing until				
			resource monitoring data				Applicability for RMPs?
			verifies the treatment				Don't need a specific RN
			objectives are being met and an				management action rela
			appropriate grazing regime has				resting treated areas fro
			been developed. Any livestock				livestock grazing. The G
			grazing temporary suspended				habitat objectives encap
			use or other management				the need to adjust any o
			changes per 43 CFR, Part				land uses to meet GRSC
			4110.3-2a for the purpose of a				habitat objectives. The a
			vegetation treatment will be				itself refers to regulation
			done through the grazing				under which such chang
			decision, prior to treatment.				would be considered. B
							that, monitoring is not a
			MD LG 22: After grazing rest				RMP decision but is base
			associated with vegetation				available staff and budge
			treatments in PHMAs and				Considered for removal
			GHMAs, monitor annually for a				Alternatives 4 and 5.
			minimum of 5 years to ensure				
			project objectives are being				
			maintained.				