



United States  
Department of  
Agriculture

Forest  
Service

Tonto Basin  
Ranger  
District

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File Code: 2210

Date: December 13, 2022

Kevin M. Hughes  
Hay Hook Ranch LLC  
(b) (6)  
Boise, ID 83707

Dear Kevin M. Hughes:

The following are your 2023 annual operating instructions (AOI) for the Roosevelt grazing allotment. These instructions have been developed from collaboration with you and in consideration of Forest Service Handbook 2209.13, Tonto National Forest Plan, associated National Environmental Policy Act analysis, Allotment Management Plan, and available information describing range conditions.

**Authorized Use**

The following table describes authorized livestock numbers per grazing unit, anticipated use dates, and proposed monitoring dates. Please request a change in this schedule well in advance of the proposed dates. Please, maintain and submit records that indicate your compliance to permitted use.

Grazing Unit	Dates of Use	Tentative Monitoring Date	Authorized Livestock	Rationale/Comments
Deer Hill	Current- December 31, 2022	January 9 <sup>th</sup>	152 Cow/calf 10 Bulls 50 Yearlings 4 Horses	Up to 4 horses will be grazed with cattle on and off with use.
Burnt Corral	January 1, 2023- May 31	June 7 <sup>th</sup>	152 Cow/calf 10 Bulls 50 Yearlings 4 Horses	Yearlings will be removed by May 15 <sup>th</sup>
Upper Tanks	June 1 <sup>st</sup> – September 30 <sup>th</sup>	October 9 <sup>th</sup>	152 Cow/calf 10 Bulls 4 Horses	
Deer Hill	October 1 <sup>st</sup> – Next AOI	Next AOI	152 Cow/calf 10 Bulls 4 Horses	



**Monitoring:**

Upland utilization is measured at the end of the growing season in key areas for key forage species. This information, along with vegetation condition, forage plant production and vigor, soil and watershed condition, will be used to make informed management recommendations concerning pasture moves and stocking rates.

Riparian utilization in key reaches is measured during growing season to verify residual vegetation is present for streambank protection during flow events.

Grazing intensity will be evaluated during the growing season to make necessary changes needed for plant development and recovery.

**Vegetative Use Guidelines:**

Grazing will be managed so conservative use levels are achieved over the long-term in pasture key areas. It is your responsibility as permittee to take action so that livestock grazing does not exceed vegetative use thresholds. Please arrange for an allotment inspection if seasonal vegetative use of available forage approaches these thresholds.

<b>Vegetation</b>	<b>Use Threshold</b>
Upland herbaceous species	30-40% of current year's growth
Upland browse species	50% of current year's growth
Riparian herbaceous species	Limited to 40% of plant species biomass and maintain 6-8 inches of stubble height on deergrass
Riparian woody species	Limited to 50% of leaders browsed on upper 1/3 of plants up to 6 feet tall
Streambanks (if applicable)	Limited to less than 20% alteration of alterable streambanks
Mexican Spotted Owl PAC's (where applicable)	20% optimum-40% maximum
Annual Grasses	50% of current year's growth

**Range Improvement Maintenance:**

All range improvements must be maintained to Forest Service standards before cattle will be allowed to enter the units. You must receive verbal concurrence for each project before work can begin except routine maintenance (e.g. cleaning dirt tanks, maintaining fence, restoring pipe). It is your responsibility to be aware of and comply with fire restriction.

The following table describes 2023 range improvement projects.

<b>Pasture</b>	<b>Location</b>	<b>Description of Work</b>	<b>Clearances Needed</b>
Multiple	Water Pipelines	Continue repairing/replacing damaged pipelines	Existing infrastructure no clearances needed

Rainy	Rainy Pipeline	Bury pipeline in sand wash.	Site visit required with F.S. to determine level of work needed.
Ty Holding	Water User Spring	Propose a new storage tank and pipeline to connect to existing pump	Archeological and Biological Clearance required.

**Salting:**

In most cases, salt must be located no closer than ¼ mile from streams, rivers, riparian areas, trails, and known archaeological sites.

**Supplements and Attractants**

Protein blocks, nutritional supplement, and other attractant may be authorized.

**Supplemental Feeding:**

No supplemental feeding is authorized.

**Weeds**

Invasive plants threaten ecosystem health and grazing resources. Please assist us in preventing the introduction and spread of invasive plants.

If you have any questions, please contact Eric Hoskins, Rangeland Management Specialist, at (480) 435-5563.

Sincerely,



Jeremy Plain  
District Ranger

CC: Eric Hoskins  
Crystal Marrtinez  
Ina Yazzie