

## **APPENDIX C**

### **Martin Basin Rangeland Project Allotment Management Plans (AMPs)**



# **BUFFALO ALLOTMENT AMP**

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## **Management Goals and Objectives**

The grazing management goals and objectives identified in the 1986 Humboldt National Forest Land and Resource Management Plan relevant to the Buffalo C&H Allotments are summarized as follows:

Within the framework of the Forest Plan as amended, it is the desired future condition of the Forest and the District to:

- Have allotment management plans that incorporate objectives and guidelines to improve coordination with other resources;
- Improve the amount of range in satisfactory ecological condition;
- Strengthen the noxious weed control effort;
- Provide forage for livestock production; and
- Livestock grazing is allowed, and contributes to the attainment of healthy rangelands to sustain multiple uses.....provides summer forage for cattle when water is available on slopes < 35%....livestock grazing is used to maintain or improve big game summer range where suitable cover is available....livestock grazing will maintain for sage grouse summer and brood rearing habitat on upland rangelands.

## **Management Action**

### **Grazing Management System**

The Buffalo Allotment is currently managed under a combination of multiple grazing systems which include rest rotation and season long systems. The allotment is permitted for 255 pair of cattle with a season of use from June 16 - August 31 each year. The grazing systems on this allotment may be adjusted in the future to provide rest within all pastures on the allotment.

### **Management Requirements**

- The applicable Standards and Guidelines for the Humboldt National Forest Land and Resource Management Plan are incorporated into the management standards for this allotment.
- Management instructions, known as Annual Operating Instructions (AOI), will be provided to the permittee by the local Forest Officer each year. These instructions are incorporated as part of this permit. Livestock grazed under this permit shall be managed in accordance with the AOI.
- The permittee shall notify the District Ranger five (5) days prior to the date of entry of livestock onto National Forest System Lands.
- Salt will not be placed closer than ¼ mile from any riparian plant community.
- Actual use and range improvement maintenance will be recorded for each grazing season and information provided to the District Ranger at the close of the grazing season in accordance with the AOI.

- The permittee is responsible for monitoring utilization at key areas and providing information to the District Ranger at the close of the grazing season in accordance with the (AOI).

<b>BUFFALO ALLOTMENT HERBACEOUS UTILIZATION STANDARDS</b>		
<b>Vegetative Group</b>	<b>Current Condition</b>	<b>Maximum Utilization Standard</b>
<b>HORSE CANYON/FALLS CANYON/BUFFALO CANYON/ANDORNO CANYON UNITS</b>		
<b>Riparian Areas</b>	Functioning	45%
<b>Uplands</b>	Functioning	50%
<b>CHIMNEY CANYON/PORCUPINE CANYON UNITS</b>		
<b>Riparian Areas</b>	Functioning	35%-45%
<b>Uplands</b>	Functioning	50%

<b>BUFFALO ALLOTMENT BROWSE UTILIZATION STANDARDS</b>		
<b>Vegetative Group</b>	<b>Current Condition</b>	<b>Maximum Utilization Standard</b>
<b>HORSE CANYON/FALLS CANYON/BUFFALO CANYON/ANDORNO CANYON UNITS</b>		
<b>Stream/Riparian</b>	Functioning	30%
<b>Mountain Brush</b>	Functioning	35%
<b>Aspen</b>	Functioning	20% of available suckers browsed
<b>Cottonwood</b>	Functioning-at-Risk	10% of available suckers browsed
<b>CHIMNEY CANYON/PORCUPINE CANYON UNITS</b>		
<b>Stream/Riparian</b>	Functioning	30%
<b>Mountain Brush</b>	Functioning	35%
<b>Aspen</b>	Functioning	20% of available suckers browsed
<b>Cottonwood</b>	NA	NA

## **Range Improvement Maintenance Standards**

### **Construction and Maintenance Responsibilities**

All improvements will be maintained to the original standards from which they were built. Maintenance of improvements will be performed in accordance with the Annual Operating Instructions (AOI). Maintenance includes materials needed for repairs and will be provided by the permittee.

## **MONITORING AND EVALUATION**

Monitoring will be conducted to ensure that the AMP is implemented according to schedule and that grazing management is accomplishing the management objectives specified in Section I of this AMP. Monitoring schedules are outlined below.

**Schedule for Implementation Monitoring Activities**

MONITORING ITEM	METHOD	MEASUREMENT FREQUENCY	ACTION TO BE TAKEN
Actual/Allowable Use	Utilization Measurements (landscape appearance, utilization cages, browse measurements)	Annually	Move livestock to next pasture or home when allowable use is reached.
Permit/AOI Compliance	Allotment inspections / unit examinations.	Annual spot-checks	Direct compliance to terms & conditions take appropriate permit action FSH 2209.13.

**Schedule of Effectiveness and Long-Term Monitoring Activities**

MONITORING ITEM	METHOD	MEASUREMENT FREQUENCY	PURPOSE OF MONITORING
Implementation of Matrices	Approved Protocols	Every 10 years.	Determine progress toward Desired Conditions.
Riparian Vegetation	Appropriate Methods (i.e., nested frequencies, ground cover, line intercept, ocular analysis, cover data, photo points, etc.)	2-5 years.	Determine trend and progress toward Desired Conditions.
Upland Vegetation	Appropriate Methods (i.e., nested frequencies, ground cover, line intercept, ocular analysis, cover data, photo points, etc.)	2-5 years.	Determine trend and progress toward Desired Conditions.

**Key Area Locations (short-term monitoring)**

PASTURE	NAME	LOCATION
Buffalo Canyon Unit	Buffalo Canyon	Buffalo Canyon
Horse Canyon Unit	Horse Canyon	Horse Creek
Andorno Canyon Unit	Andorno	Andorno Creek
Falls Canyon Unit	Falls Canyon	Falls Canyon Creek
Chimney Unit	Chimney	Chimney Creek
Porcupine Unit	Porcupine	Porcupine Creek

**Benchmark Locations (long-term monitoring)**

PASTURE	NAME	LOCATION
Andorno/Falls Units	Falls Canyon	Falls Canyon Creek
Buffalo/Horse Units	Buffalo Canyon	Buffalo Canyon
Chimney Unit	Chimney	Chimney Creek
Porcupine Unit	Porcupine	Porcupine Creek

## **OFF-HIGHWAY VEHICLE USE**

The permittee is authorized to use off-highway vehicles (OHV) on existing roads and trails in order to facilitate their administration of this term grazing permit. Off-highway vehicle use off existing roads and trails is allowed on a limited basis, in order to maintain structural range improvements, place salt, and remove dead livestock as needed.

## **BUTTERMILK ALLOTMENT AMP**

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### **Management Goals and Objectives**

The grazing management goals and objectives identified in the 1986 Humboldt National Forest Land and Resource Management Plan relevant to the Buttermilk C&H Allotments are summarized as follows:

Within the framework of the Forest Plan as amended, it is the desired future condition of the Forest and the District to:

- Have allotment management plans that incorporate objectives and guidelines to improve coordination with other resources;
- Improve the amount of range in satisfactory ecological condition;
- Strengthen the noxious weed control effort;
- Provide forage for livestock production; and
- Livestock grazing is allowed, and contributes to the attainment of healthy rangelands to sustain multiple uses.....provides summer forage for cattle when water is available on slopes < 35% ....livestock grazing is used to maintain or improve big game summer range where suitable cover is available....livestock grazing will maintain for sage grouse summer and brood rearing habitat on upland rangelands.

### **Management Action**

#### **Grazing Management System**

The Buttermilk Allotment is currently managed under a four pasture rest-rotational grazing system. The allotment is permitted for 1303 pair of cattle with a season of use from May 22 - September 30 each year. There are two permits on this allotment, however, one of those permits is currently vacant as a result of a cancellation. That vacant permit will be reauthorized in the next 1-2 years. When that permit is reauthorized there may be changes in the typical rotational management system on this allotment. This allotment has received considerable rest on many of its pastures since 2006.

#### **Management Requirements**

- The applicable Standards and Guidelines for the Humboldt National Forest Land and Resource Management Plan are incorporated into the management standards for this allotment.
- Management instructions, known as Annual Operating Instructions (AOI), will be provided to the permittee by the local Forest Officer each year. These instructions are incorporated as part of this permit. Livestock grazed under this permit shall be managed in accordance with the AOI.
- The permittee shall notify the District Ranger five (5) days prior to the date of entry of livestock onto National Forest System Lands.
- Salt will not be placed closer than ¼ mile from any riparian plant community.

- Actual use and range improvement maintenance will be recorded for each grazing season and information provided to the District Ranger at the close of the grazing season in accordance with the AOI.
- The permittee is responsible for monitoring utilization at key areas and providing information to the District Ranger at the close of the grazing season in accordance with the (AOI).

<b>BUTTERMILK ALLOTMENT HERBACEOUS UTILIZATION STANDARDS</b>		
<b>Vegetative Group</b>	<b>Current Condition</b>	<b>Maximum Utilization Standard</b>
<b>SPRING CITY UNIT</b>		
<b>Riparian Areas</b>	Functioning-at- Risk	35%
<b>Uplands</b>	Functioning-at- Risk	40%
<b>BLACKRIDGE UNIT</b>		
<b>Riparian Areas</b>	Functioning-at-Risk	35%
<b>Uplands</b>	Functioning	50%
<b>BUTTERMILK UNIT</b>		
<b>Riparian Areas</b>	Functioning	45%
<b>Uplands</b>	Functioning	50%
<b>LYE CREEK UNIT</b>		
<b>Riparian Areas</b>	Functioning	45%
<b>Uplands</b>	Functioning	50%

<b>BUTTERMILK ALLOTMENT BROWSE UTILIZATION STANDARDS</b>		
<b>Vegetative Group</b>	<b>Current Condition</b>	<b>Maximum Utilization Standard</b>
<b>SPRING CITY UNIT</b>		
<b>Stream/Riparian</b>	Functioning-at-Risk	20%
<b>Mountain Brush</b>	Functioning-at-Risk	25%
<b>Aspen</b>	NA	NA
<b>Cottonwood</b>	NA	NA
<b>BLACKRIDGE UNIT</b>		
<b>Stream/Riparian</b>	Functioning-at-Risk	20%
<b>Mountain Brush</b>	Functioning	35%
<b>Aspen</b>	Functioning	20% of available suckers browsed
<b>Cottonwood</b>	NA	NA
<b>BUTTERMILK UNIT</b>		
<b>Stream/Riparian</b>	Functioning	30%
<b>Mountain Brush</b>	Functioning	35%
<b>Aspen</b>	Functioning	20% of available suckers browsed
<b>Cottonwood</b>	NA	NA
<b>LYE CREEK UNIT</b>		
<b>Stream/Riparian</b>	Functioning	30%
<b>Mountain Brush</b>	Functioning	35%
<b>Aspen</b>	Functioning	20% of available suckers browsed
<b>Cottonwood</b>	NA	NA

## Range Improvement Maintenance Standards

### Construction and Maintenance Responsibilities

All improvements will be maintained to the original standards from which they were built. Maintenance of improvements will be performed in accordance with the Annual Operating Instructions (AOI). Maintenance includes materials needed for repairs and will be provided by the permittee.

### MONITORING AND EVALUATION

Monitoring will be conducted to ensure that the AMP is implemented according to schedule and that grazing management is accomplishing the management objectives specified in Section I of this AMP. Monitoring schedules are outlined below.

#### Schedule for Implementation Monitoring Activities

MONITORING ITEM	METHOD	MEASUREMENT FREQUENCY	ACTION TO BE TAKEN
Actual/Allowable Use	Utilization Measurements (landscape appearance, utilization cages, browse measurements)	Annually	Move livestock to next pasture or home when allowable use is reached.
Permit/AOI Compliance	Allotment inspections / unit examinations.	Annual spot-checks	Direct compliance to terms & conditions take appropriate permit action FSH 2209.13.

#### Schedule of Effectiveness and Long-Term Monitoring Activities

MONITORING ITEM	METHOD	MEASUREMENT FREQUENCY	PURPOSE OF MONITORING
<b>Implementation of Matrices</b>	Approved Protocols	Every 10 years.	Determine progress toward Desired Conditions.
<b>Riparian Vegetation</b>	Appropriate Methods (i.e., nested frequencies, ground cover, line intercept, ocular analysis, cover data, photo points, etc.)	2-5 years.	Determine trend and progress toward Desired Conditions.
<b>Upland Vegetation</b>	Appropriate Methods (i.e., nested frequencies, ground cover, line intercept, ocular analysis, cover data, photo points, etc.)	2-5 years.	Determine trend and progress toward Desired Conditions.

**Key Area Locations (short-term monitoring)**

PASTURE	NAME	LOCATION
Spring City Unit	Dry Creek	Dry Creek
Blackridge Unit	Martin Creek BM	Martin Creek
Blackridge Unit	Big Springs	Big Springs
Buttermilk Unit	Round Corral	Round Corral Creek
Buttermilk Unit	Alkali Creek	Alkali Creek
Lye Creek Unit	Lye Creek	Lye Creek

**Benchmark Locations (long-term monitoring)**

PASTURE	NAME	LOCATION
Spring City Unit	Dry Creek	Dry Creek
Blackridge Unit	Martin Creek BM	Martin Creek
Blackridge Unit	Big Springs	Big Springs
Buttermilk Unit	Round Corral	Round Corral Creek
Lye Creek Unit	Lye Creek	Lye Creek

**OFF-HIGHWAY VEHICLE USE**

The permittee is authorized to use off-highway vehicles (OHV) on existing roads and trails in order to facilitate their administration of this term grazing permit. Off-highway vehicle use off existing roads and trails is allowed on a limited basis, in order to maintain structural range improvements, place salt, and remove dead livestock as needed.

# GRANITE PEAK ALLOTMENT AMP

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## Management Goals and Objectives

The grazing management goals and objectives identified in the 1986 Humboldt National Forest Land and Resource Management Plan relevant to the Granite Peak C&H Allotments are summarized as follows:

Within the framework of the Forest Plan as amended, it is the desired future condition of the Forest and the District to:

- Have allotment management plans that incorporate objectives and guidelines to improve coordination with other resources;
- Improve the amount of range in satisfactory ecological condition;
- Strengthen the noxious weed control effort;
- Provide forage for livestock production; and
- Livestock grazing is allowed, and contributes to the attainment of healthy rangelands to sustain multiple uses.....provides summer forage for cattle when water is available on slopes < 35% ....livestock grazing is used to maintain or improve big game summer range where suitable cover is available....livestock grazing will maintain for sage grouse summer and brood rearing habitat on upland rangelands.

## Management Action

### Grazing Management System

The Granite Peak Allotment is currently managed under a six pasture rest-rotational grazing system. The allotment is permitted for 1050 pair of cattle with a season of use from May 21 - September 30 each year.

### Management Requirements

- The applicable Standards and Guidelines for the Humboldt National Forest Land and Resource Management Plan are incorporated into the management standards for this allotment.
- Management instructions, known as Annual Operating Instructions (AOI), will be provided to the permittee by the local Forest Officer each year. These instructions are incorporated as part of this permit. Livestock grazed under this permit shall be managed in accordance with the AOI.
- The permittee shall notify the District Ranger five (5) days prior to the date of entry of livestock onto National Forest System Lands.
- Salt will not be placed closer than ¼ mile from any riparian plant community.
- Actual use and range improvement maintenance will be recorded for each grazing season and information provided to the District Ranger at the close of the grazing season in accordance with the AOI.

- The permittee is responsible for monitoring utilization at key areas and providing information to the District Ranger at the close of the grazing season in accordance with the (AOI).

<b>GRANITE PEAK ALLOTMENT HERBACEOUS UTILIZATION STANDARDS</b>		
<b>Vegetative Group</b>	<b>Current Condition</b>	<b>Maximum Utilization Standard</b>
<b>LOWER WILLOW CREEK UNIT</b>		
Riparian Areas	Functioning-at- Risk	35%
Uplands	Functioning-at- Risk	40%
<b>UPPER WILLOW CREEK UNIT</b>		
Riparian Areas	Functioning-at-Risk	35%
Uplands	Functioning	50%
<b>UPPER INDIAN CREEK UNIT</b>		
Riparian Areas	Functioning	45%
Uplands	Functioning	50%
<b>LOWER INDIAN CREEK UNIT</b>		
Riparian Areas	Functioning-at-Risk	35%
Uplands	Functioning-at-Risk	40%
<b>SOLID SILVER UNIT</b>		
Riparian Areas	Functioning	45%
Uplands	Functioning	50%
<b>TOM BASIN UNIT</b>		
Riparian Areas	NA	NA
Uplands	Below Threshold	30%

<b>GRANITE PEAK ALLOTMENT BROWSE UTILIZATION STANDARDS</b>		
<b>Vegetative Group</b>	<b>Current Condition</b>	<b>Maximum Utilization Standard</b>
<b>LOWER WILLOW CREEK UNIT</b>		
Stream/Riparian	Functioning-at-Risk	20%
Mountain Brush	Functioning	35%
Aspen	NA	NA
Cottonwood	NA	NA
<b>UPPER WILLOW CREEK UNIT</b>		
Stream/Riparian	Functioning-at-Risk	20%
Mountain Brush	Functioning	35%
Aspen	Functioning	20% of available suckers browsed
Cottonwood	NA	NA
<b>UPPER INDIAN CREEK UNIT</b>		
Stream/Riparian	Functioning	30%
Mountain Brush	Functioning	35%
Aspen	Functioning	20% of available suckers browsed
Cottonwood	NA	NA
<b>LOWER INDIAN CREEK UNIT</b>		
Stream/Riparian	Functioning-at-Risk	20%
Mountain Brush	Functioning-at-Risk	25%
Aspen	Functioning-at-Risk	20% of available suckers

<b>GRANITE PEAK ALLOTMENT BROWSE UTILIZATION STANDARDS</b>		
<b>Vegetative Group</b>	<b>Current Condition</b>	<b>Maximum Utilization Standard</b>
		browsed
<b>Cottonwood</b>	Functioning-at-Risk	10% of available suckers browsed
<b>SOLID SILVER UNIT</b>		
<b>Stream/Riparian</b>	Functioning	30%
<b>Mountain Brush</b>	Functioning	35%
<b>Aspen</b>	Functioning	20% of available suckers browsed
<b>Cottonwood</b>	Functioning	20% of available suckers browsed
<b>TOM BASIN UNIT</b>		
<b>Stream/Riparian</b>	NA	NA
<b>Mountain Brush</b>	Functioning-at-Risk	25%
<b>Aspen</b>	NA	NA
<b>Cottonwood</b>	NA	NA

## Range Improvement Maintenance Standards

### Construction and Maintenance Responsibilities

All improvements will be maintained to the original standards from which they were built. Maintenance of improvements will be performed in accordance with the Annual Operating Instructions (AOI). Maintenance includes materials needed for repairs and will be provided by the permittee.

## MONITORING AND EVALUATION

Monitoring will be conducted to ensure that the AMP is implemented according to schedule and that grazing management is accomplishing the management objectives specified in Section I of this AMP. Monitoring schedules are outlined below.

### Schedule for Implementation Monitoring Activities

<b>MONITORING ITEM</b>	<b>METHOD</b>	<b>MEASUREMENT FREQUENCY</b>	<b>ACTION TO BE TAKEN</b>
Actual/Allowable Use	Utilization Measurements (landscape appearance, utilization cages, browse measurements)	Annually	Move livestock to next pasture or home when allowable use is reached.
Permit/AOI Compliance	Allotment inspections / unit examinations.	Annual spot-checks	Direct compliance to terms & conditions take appropriate permit action FSH 2209.13.

**Schedule of Effectiveness and Long-Term Monitoring Activities**

<b>MONITORING ITEM</b>	<b>METHOD</b>	<b>MEASUREMENT FREQUENCY</b>	<b>PURPOSE OF MONITORING</b>
<b>Implementation of Matrices</b>	Approved Protocols	Every 10 years.	Determine progress toward Desired Conditions.
<b>Riparian Vegetation</b>	Appropriate Methods (i.e., nested frequencies, ground cover, line intercept, ocular analysis, cover data, photo points, etc.)	2-5 years.	Determine trend and progress toward Desired Conditions.
<b>Upland Vegetation</b>	Appropriate Methods (i.e., nested frequencies, ground cover, line intercept, ocular analysis, cover data, photo points, etc.)	2-5 years.	Determine trend and progress toward Desired Conditions.

**Key Area Locations (short-term monitoring)**

<b>PASTURE</b>	<b>NAME</b>	<b>LOCATION</b>
Lower Willow Unit	Lower Willow	Lower Willow Creek
Upper Willow Unit	Upper Willow	Upper Willow Creek
Upper Indian Unit	South Fork Indian	South Fork Indian Creek
Lower Indian Unit	Indian Creek	Indian Creek
Solid Silver Unit	Mullinix Creek	Mullinix Creek
Tom Basin Unit	Tom Basin Uplands	Tom Basin

**Benchmark Locations (long-term monitoring)**

<b>PASTURE</b>	<b>NAME</b>	<b>LOCATION</b>
Lower Willow Unit	Lower Willow	Lower Willow Creek
Upper Willow Unit	Upper Willow	Upper Willow Creek
Upper Indian Unit	South Fork Indian	South Fork Indian Creek
Lower Indian Unit	Indian Creek	Indian Creek
Solid Silver Unit	Mullinix Creek	Mullinix Creek
Tom Basin Unit	Tom Basin Uplands	Tom Basin

**OFF-HIGHWAY VEHICLE USE**

The permittee is authorized to use off-highway vehicles (OHV) on existing roads and trails in order to facilitate their administration of this term grazing permit. Off-highway vehicle use off existing roads and trails is allowed on a limited basis, in order to maintain structural range improvements, place salt, and remove dead livestock as needed.

# INDIAN ALLOTMENT AMP

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## Management Goals and Objectives

The grazing management goals and objectives identified in the 1986 Humboldt National Forest Land and Resource Management Plan relevant to the Indian C & H Allotment are summarized as follows:

Within the framework of the Forest Plan as amended, it is the desired future condition of the Forest and the District to:

- Have allotment management plans that incorporate objectives and guidelines to improve coordination with other resources;
- Improve the amount of range in satisfactory ecological condition;
- Strengthen the noxious weed control effort;
- Provide forage for livestock production; and
- Livestock grazing is allowed, and contributes to the attainment of healthy rangelands to sustain multiple uses.....provides summer forage for cattle when water is available on slopes < 35% ....livestock grazing is used to maintain or improve big game summer range where suitable cover is available....livestock grazing will maintain for sage grouse summer and brood rearing habitat on upland rangelands.

## Management Action

### Grazing Management System

The Indian Allotment is currently managed under a two pasture rest-rotational grazing system. The allotment is permitted for 301 pair of cattle with a season of use from June 16 - September 30 each year. A deferred rotational grazing system may be considered for use in the future on this allotment to reduce the intensity of use annually on riparian areas within the allotment.

### Management Requirements

- The applicable Standards and Guidelines for the Humboldt National Forest Land and Resource Management Plan are incorporated into the management standards for this allotment.
- Management instructions, known as Annual Operating Instructions (AOI), will be provided to the permittee by the local Forest Officer each year. These instructions are incorporated as part of this permit. Livestock grazed under this permit shall be managed in accordance with the AOI.
- The permittee shall notify the District Ranger five (5) days prior to the date of entry of livestock onto National Forest System Lands.
- Salt will not be placed closer than ¼ mile from any riparian plant community.
- Actual use and range improvement maintenance will be recorded for each grazing season and information provided to the District Ranger at the close of the grazing season in accordance with the AOI.

- The permittee is responsible for monitoring utilization at key areas and providing information to the District Ranger at the close of the grazing season in accordance with the (AOI).

<b>INDIAN ALLOTMENT HERBACEOUS UTILIZATION STANDARDS</b>		
<b>Vegetative Group</b>	<b>Current Condition</b>	<b>Maximum Utilization Standard</b>
<b>NORTH UNIT</b>		
<b>Riparian Areas</b>	Functioning-at-Risk	35%
<b>Uplands</b>	Functioning-at- Risk	40%
<b>SOUTH UNIT</b>		
<b>Riparian Areas</b>	Functioning-at-Risk	35%
<b>Uplands</b>	Functioning	50%

<b>INDIAN ALLOTMENT BROWSE UTILIZATION STANDARDS</b>		
<b>Vegetative Group</b>	<b>Current Condition</b>	<b>Maximum Utilization Standard</b>
<b>NORTH UNIT</b>		
<b>Stream/Riparian</b>	Functioning-at-Risk	20%
<b>Mountain Brush</b>	Functioning	35%
<b>Aspen</b>	NA	NA
<b>Cottonwood</b>	NA	NA
<b>SOUTH UNIT</b>		
<b>Stream/Riparian</b>	Functioning-at-Risk	20%
<b>Mountain Brush</b>	Functioning	35%
<b>Aspen</b>	Functioning	20% of available suckers browsed
<b>Cottonwood</b>	NA	NA

## **Range Improvement Maintenance Standards**

### **Construction and Maintenance Responsibilities**

All improvements will be maintained to the original standards from which they were built. Maintenance of improvements will be performed in accordance with the Annual Operating Instructions (AOI). Maintenance includes materials needed for repairs and will be provided by the permittee.

## **MONITORING AND EVALUATION**

Monitoring will be conducted to ensure that the AMP is implemented according to schedule and that grazing management is accomplishing the management objectives specified in Section I of this AMP. Monitoring schedules are outlined below.

**Schedule for Implementation Monitoring Activities**

MONITORING ITEM	METHOD	MEASUREMENT FREQUENCY	ACTION TO BE TAKEN
Actual/Allowable Use	Utilization Measurements (landscape appearance, utilization cages, browse measurements)	Annually	Move livestock to next pasture or home when allowable use is reached.
Permit/AOI Compliance	Allotment inspections / unit examinations.	Annual spot-checks	Direct compliance to terms & conditions take appropriate permit action FSH 2209.13.

**Schedule of Effectiveness and Long-Term Monitoring Activities**

MONITORING ITEM	METHOD	MEASUREMENT FREQUENCY	PURPOSE OF MONITORING
Implementation of Matrices	Approved Protocols	Every 10 years.	Determine progress toward Desired Conditions.
Riparian Vegetation	Appropriate Methods (i.e., Greenline, MIMs, photo points, GAWS, etc.)	2-5 years.	Determine trend and progress toward Desired Conditions.
Upland Vegetation	Appropriate Methods (i.e., nested frequencies, ground cover, line intercept, ocular analysis, cover data, photo points, etc.)	2-5 years.	Determine trend and progress toward Desired Conditions.

**Key Area Locations (short-term monitoring)**

PASTURE	NAME	LOCATION
North Unit	South Fork Quinn River	South Fork Quinn River
South Unit	Jakes Creek	Jakes Creek

**Benchmark Locations (long-term monitoring)**

PASTURE	NAME	LOCATION
North Unit	South Fork Quinn River	South Fork Quinn River
South Unit	Jakes Creek	Jakes Creek

**OFF-HIGHWAY VEHICLE USE**

The permittee is authorized to use off-highway vehicles (OHV) on existing roads and trails in order to facilitate their administration of this term grazing permit. Off-highway vehicle use off existing roads and trails is allowed on a limited basis, in order to maintain structural range improvements, place salt, and remove dead livestock as needed.



## **MARTIN BASIN/BRADSHAW ALLOTMENTS AMP**

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### **Management Goals and Objectives**

The grazing management goals and objectives identified in the 1986 Humboldt National Forest Land and Resource Management Plan relevant to the Martin Basin and Bradshaw C&H Allotments are summarized as follows:

Within the framework of the Forest Plan as amended, it is the desired future condition of the Forest and the District to:

- Have allotment management plans that incorporate objectives and guidelines to improve coordination with other resources;
- Improve the amount of range in satisfactory ecological condition;
- Strengthen the noxious weed control effort;
- Provide forage for livestock production; and
- Livestock grazing is allowed, and contributes to the attainment of healthy rangelands to sustain multiple uses.....provides summer forage for cattle when water is available on slopes < 35% ....livestock grazing is used to maintain or improve big game summer range where suitable cover is available....livestock grazing will maintain for sage grouse summer and brood rearing habitat on upland rangelands.

### **Management Action**

#### **Grazing Management System**

The Martin Basin and Bradshaw Allotments will be managed under a seven pasture deferred rotational grazing system. Each allotment is permitted for 1935 pair of cattle and 25 horses with a season of use from June 6 – September 27 of each year. The Bradshaw Allotment will be incorporated into the Martin Basin Allotment.

#### **Management Requirements**

- The applicable Standards and Guidelines for the Humboldt National Forest Land and Resource Management Plan are incorporated into the management standards for this allotment.
- Management instructions, known as Annual Operating Instructions (AOI), will be provided to the permittee by the local Forest Officer each year. These instructions are incorporated as part of this permit. Livestock grazed under this permit shall be managed in accordance with the AOI.
- The permittee shall notify the District Ranger five (5) days prior to the date of entry of livestock onto National Forest System Lands.
- Salt will not be placed closer than ¼ mile from any riparian plant community.
- Actual use and range improvement maintenance will be recorded for each grazing season and information provided to the District Ranger at the close of the grazing season in accordance with the AOI.

- The permittee is responsible for monitoring utilization at key areas and providing information to the District Ranger at the close of the grazing season in accordance with the (AOI).

<b>MARTIN BASIN/BRADSHAW ALLOTMENTS HERBACEOUS UTILIZATION STANDARDS</b>		
<b>Vegetative Group</b>	<b>Current Condition</b>	<b>Maximum Utilization Standard</b>
<b>BLACKRIDGE/LONG VALLEY/COLD SPRINGS UNITS</b>		
Riparian Areas	NA	NA
Uplands	Functioning-at- Risk	40%
<b>CABIN CREEK RIPARIAN/BRADSHAW UNIT</b>		
Riparian Areas	Functioning-at-Risk	35%
Uplands	Functioning	50%
<b>CABIN CREEK UNIT</b>		
Riparian Areas	Functioning	45%
Uplands	Functioning	50%
<b>SIARD UNIT</b>		
Riparian Areas	Below Threshold	25%
Uplands	Functioning	50%
<b>NORTH FORK UNIT</b>		
Riparian Areas	Functioning-at-Risk	35%
Uplands	Functioning	50%

<b>MARTIN BASIN/BRADSHAW ALLOTMENTS BROWSE UTILIZATION STANDARDS</b>		
<b>Vegetative Group</b>	<b>Current Condition</b>	<b>Maximum Utilization Standard</b>
<b>BLACKRIDGE/LONG VALLEY/COLD SPRINGS UNITS</b>		
Stream/Riparian	NA	NA
Mountain Brush	Functioning	35%
Aspen	NA	NA
Cottonwood	NA	NA
<b>CABIN CREEK RIPARIAN/BRADSHAW UNIT</b>		
Stream/Riparian	Functioning-at-Risk	20%
Mountain Brush	Functioning	35%
Aspen	Functioning	20% of available suckers browsed
Cottonwood	NA	NA
<b>CABIN CREEK UNIT</b>		
Stream/Riparian	Functioning	30%
Mountain Brush	Functioning	35%
Aspen	Functioning	20% of available suckers browsed
Cottonwood	NA	NA
<b>SIARD UNIT</b>		
Stream/Riparian	Below Threshold	10%
Mountain Brush	Functioning	35%
Aspen	Functioning	20% of available suckers browsed
Cottonwood	NA	NA

<b>MARTIN BASIN/BRADSHAW ALLOTMENTS BROWSE UTILIZATION STANDARDS</b>		
<b>Vegetative Group</b>	<b>Current Condition</b>	<b>Maximum Utilization Standard</b>
<b>NORTH FORK UNIT</b>		
<b>Stream/Riparian</b>	Functioning-at-Risk	20%
<b>Mountain Brush</b>	Functioning	35%
<b>Aspen</b>	Functioning	20% of available suckers browsed
<b>Cottonwood</b>	NA	NA

## Range Improvement Maintenance Standards

### Construction and Maintenance Responsibilities

All improvements will be maintained to the original standards from which they were built. Maintenance of improvements will be performed in accordance with the Annual Operating Instructions (AOI). Maintenance includes materials needed for repairs and will be provided by the permittee.

## MONITORING AND EVALUATION

Monitoring will be conducted to ensure that the AMP is implemented according to schedule and that grazing management is accomplishing the management objectives specified in Section I of this AMP. Monitoring schedules are outlined below.

### Schedule for Implementation Monitoring Activities

<b>MONITORING ITEM</b>	<b>METHOD</b>	<b>MEASUREMENT FREQUENCY</b>	<b>ACTION TO BE TAKEN</b>
Actual/Allowable Use	Utilization Measurements (landscape appearance, utilization cages, browse measurements)	Annually	Move livestock to next pasture or home when allowable use is reached.
Permit/AOI Compliance	Allotment inspections / unit examinations.	Annual spot-checks	Direct compliance to terms & conditions take appropriate permit action FSH 2209.13.

### Schedule of Effectiveness and Long-Term Monitoring Activities

<b>MONITORING ITEM</b>	<b>METHOD</b>	<b>MEASUREMENT FREQUENCY</b>	<b>PURPOSE OF MONITORING</b>
<b>Implementation of Matrices</b>	Approved Protocols	Every 10 years.	Determine progress toward Desired Conditions.
<b>Riparian Vegetation</b>	Appropriate Methods (i.e., nested frequencies, ground cover, line intercept, ocular analysis, cover data, photo points, etc.)	2-5 years.	Determine trend and progress toward Desired Conditions.
<b>Upland Vegetation</b>	Appropriate Methods (i.e., nested frequencies,	2-5 years.	Determine trend and progress toward Desired Conditions.

MONITORING ITEM	METHOD	MEASUREMENT FREQUENCY	PURPOSE OF MONITORING
	ground cover, line intercept, ocular analysis, cover data, photo points, etc.)		

### Martin Basin Allotment

#### Key Area Locations (short-term monitoring)

PASTURE	NAME	LOCATION
North Fork Unit	North Fork	NF Little Humboldt River
Siard Unit	Siard	Siard Creek
Siard Unit	Martin Creek MB	Martin Creek
Cabin Creek Unit	Cabin Creek	Cabin Creek
Cabin Creek Unit	Dutch John MB	Upper Dutch John Creek
Cold Springs Unit	Cold Springs	Cold Springs
Long Valley Unit	Long Valley	Long Valley (uplands)
Black Ridge Unit	Black Ridge MB	Black Ridge (uplands)

#### Benchmark Locations (long-term monitoring)

PASTURE	NAME	LOCATION
North Fork Unit	North Fork	NF Little Humboldt River
Siard Unit	Martin Creek MB	Martin Creek
Cabin Creek Unit	Cabin Creek	Cabin Creek
Cabin Creek Unit	Dutch John MB	Upper Dutch John Creek
Cold Springs, Long Valley & Blackridge Units	Long Valley	Long Valley
North Fork Unit	North Fork	NF Little Humboldt River

### Bradshaw Allotment

#### Key Area Locations (short-term monitoring)

PASTURE	NAME	LOCATION
Bradshaw Unit	Road Creek BR	Lower Road Creek
Bradshaw Unit	Bradshaw	Bradshaw Creek

#### Benchmark Locations (long-term monitoring)

PASTURE	NAME	LOCATION
Bradshaw Unit	Road Creek BR	Lower Road Creek

## OFF-HIGHWAY VEHICLE USE

The permittee is authorized to use off-highway vehicles (OHV) on existing roads and trails in order to facilitate their administration of this term grazing permit. Off-highway vehicle use off existing roads and trails is allowed on a limited basis, in order to maintain structural range improvements, place salt, and remove dead livestock as needed.

# REBEL CREEK ALLOTMENT AMP

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## Management Goals and Objectives

The grazing management goals and objectives identified in the 1986 Humboldt National Forest Land and Resource Management Plan relevant to the Rebel Creek C&H Allotments are summarized as follows:

Within the framework of the Forest Plan as amended, it is the desired future condition of the Forest and the District to:

- Have allotment management plans that incorporate objectives and guidelines to improve coordination with other resources;
- Improve the amount of range in satisfactory ecological condition;
- Strengthen the noxious weed control effort;
- Provide forage for livestock production; and
- Livestock grazing is allowed, and contributes to the attainment of healthy rangelands to sustain multiple uses.....provides summer forage for cattle when water is available on slopes < 35% ....livestock grazing is used to maintain or improve big game summer range where suitable cover is available....livestock grazing will maintain for sage grouse summer and brood rearing habitat on upland rangelands.

## Management Action

### Grazing Management System

The Rebel Creek Allotment has historically been managed under a three pasture rest-rotational grazing system. For over 10 years the permit has been vacant. Some grazing use has been authorized at times when permittees on other allotments have been displaced as a result of wildfires. Unauthorized use has been a problem at times within a portion of Rebel Creek. Under this AMP portions of the Allotment will be managed as a two pasture rest rotational system and will incorporate the former Rebel Creek private lands. The Allotment will be permitted for 225 pair with a season of June 1- September 1.

### Management Requirements

- The applicable Standards and Guidelines for the Humboldt National Forest Land and Resource Management Plan are incorporated into the management standards for this allotment.
- Management instructions, known as Annual Operating Instructions (AOI), will be provided to the permittee by the local Forest Officer each year. These instructions are incorporated as part of this permit. Livestock grazed under this permit shall be managed in accordance with the AOI.
- The permittee shall notify the District Ranger five (5) days prior to the date of entry of livestock onto National Forest System Lands.
- Salt will not be placed closer than ¼ mile from any riparian plant community.

- Actual use and range improvement maintenance will be recorded for each grazing season and information provided to the District Ranger at the close of the grazing season in accordance with the AOI.
- The permittee is responsible for monitoring utilization at key areas and providing information to the District Ranger at the close of the grazing season in accordance with the (AOI).

<b>REBEL CREEK ALLOTMENT HERBACEOUS UTILIZATION STANDARDS</b>		
<b>Vegetative Group</b>	<b>Current Condition</b>	<b>Maximum Utilization Standard</b>
<b>REBEL CREEK UNIT</b>		
<b>Riparian Areas</b>	Functioning-at- Risk	35%
<b>Uplands</b>	Functioning	50%
<b>WOOD CANYON UNIT</b>		
<b>Riparian Areas</b>	Functioning	45%
<b>Uplands</b>	Functioning	50%
<b>MCCONNELL CREEK UNIT</b>		
<b>Riparian Areas</b>	Functioning-at-Risk	35%
<b>Uplands</b>	Functioning-at-Risk	40%

<b>REBEL CREEK ALLOTMENT BROWSE UTILIZATION STANDARDS</b>		
<b>Vegetative Group</b>	<b>Current Condition</b>	<b>Maximum Utilization Standard</b>
<b>REBEL CREEK UNIT</b>		
<b>Stream/Riparian</b>	Functioning-at-Risk	20%
<b>Mountain Brush</b>	Functioning	35%
<b>Aspen</b>	Functioning	20% of available suckers browsed
<b>Cottonwood</b>	NA	NA
<b>WOOD CANYON UNIT</b>		
<b>Stream/Riparian</b>	Functioning	30%
<b>Mountain Brush</b>	Functioning	35%
<b>Aspen</b>	Functioning	20% of available suckers browsed
<b>Cottonwood</b>	NA	NA
<b>MCCONNELL CREEK UNIT</b>		
<b>Stream/Riparian</b>	Functioning-at-Risk	20%
<b>Mountain Brush</b>	Functioning	35%
<b>Aspen</b>	NA	NA
<b>Cottonwood</b>	NA	NA

## Range Improvement Maintenance Standards

### Construction and Maintenance Responsibilities

All improvements will be maintained to the original standards from which they were built. Maintenance of improvements will be performed in accordance with the Annual Operating Instructions (AOI). Maintenance includes materials needed for repairs and will be provided by the permittee.

### MONITORING AND EVALUATION

Monitoring will be conducted to ensure that the AMP is implemented according to schedule and that grazing management is accomplishing the management objectives specified in Section I of this AMP. Monitoring schedules are outlined below.

#### Schedule for Implementation Monitoring Activities

MONITORING ITEM	METHOD	MEASUREMENT FREQUENCY	ACTION TO BE TAKEN
Actual/Allowable Use	Utilization Measurements (landscape appearance, utilization cages, browse measurements)	Annually	Move livestock to next pasture or home when allowable use is reached.
Permit/AOI Compliance	Allotment inspections / unit examinations.	Annual spot-checks	Direct compliance to terms & conditions take appropriate permit action FSH 2209.13.

#### Schedule of Effectiveness and Long-Term Monitoring Activities

MONITORING ITEM	METHOD	MEASUREMENT FREQUENCY	PURPOSE OF MONITORING
<b>Implementation of Matrices</b>	Approved Protocols	Every 10 years.	Determine progress toward Desired Conditions.
<b>Riparian Vegetation</b>	Appropriate Methods (i.e., nested frequencies, ground cover, line intercept, ocular analysis, cover data, photo points, etc.)	2-5 years.	Determine trend and progress toward Desired Conditions.
<b>Upland Vegetation</b>	Appropriate Methods (i.e., nested frequencies, ground cover, line intercept, ocular analysis, cover data, photo points, etc.)	2-5 years.	Determine trend and progress toward Desired Conditions.

#### Key Area Locations (short-term monitoring)

PASTURE	NAME	LOCATION
Rebel Creek Unit	Rebel Creek	Rebel Creek
McConnell/Wood Canyon Units	McConnell Creek	McConnell Creek

**Benchmark Locations (long-term monitoring)**

<b>PASTURE</b>	<b>NAME</b>	<b>LOCATION</b>
Rebel Creek Unit	Rebel Creek	Rebel Creek
McConnell/Wood Canyon Units	McConnell Creek	McConnell Creek

**OFF-HIGHWAY VEHICLE USE**

The permittee is authorized to use off-highway vehicles (OHV) on existing roads and trails in order to facilitate their administration of this term grazing permit. Off-highway vehicle use off existing roads and trails is allowed on a limited basis, in order to maintain structural range improvements, place salt, and remove dead livestock as needed.

## **WEST-SIDE FLAT CREEK ALLOTMENT AMP**

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### **Management Goals and Objectives**

The grazing management goals and objectives identified in the 1986 Humboldt National Forest Land and Resource Management Plan relevant to the West Side Flat Creek C & H Allotment are summarized as follows:

Within the framework of the Forest Plan as amended, it is the desired future condition of the Forest and the District to:

- Have allotment management plans that incorporate objectives and guidelines to improve coordination with other resources;
- Improve the amount of range in satisfactory ecological condition;
- Strengthen the noxious weed control effort;
- Provide forage for livestock production; and
- Livestock grazing is allowed, and contributes to the attainment of healthy rangelands to sustain multiple uses.....provides summer forage for cattle when water is available on slopes < 35% ....livestock grazing is used to maintain or improve big game summer range where suitable cover is available....livestock grazing will maintain for sage grouse summer and brood rearing habitat on upland rangelands.

### **Management Action**

#### **Grazing Management System**

The West-Side Flat Creek Allotment is currently managed under a two pasture rest-rotational grazing system. The allotment is permitted for 461 pair of cattle with a season of use from June 1 – August 25 of each year. A deferred rotational grazing system may be considered for use in the future on this allotment to reduce the intensity of use annually on riparian areas within the allotment.

#### **Management Requirements**

- The applicable Standards and Guidelines for the Humboldt National Forest Land and Resource Management Plan are incorporated into the management standards for this allotment.
- Management instructions, known as Annual Operating Instructions (AOI), will be provided to the permittee by the local Forest Officer each year. These instructions are incorporated as part of this permit. Livestock grazed under this permit shall be managed in accordance with the AOI.
- The permittee shall notify the District Ranger five (5) days prior to the date of entry of livestock onto National Forest System Lands.
- Salt will not be placed closer than ¼ mile from any riparian plant community.
- Actual use and range improvement maintenance will be recorded for each grazing season and information provided to the District Ranger at the close of the grazing season in accordance with the AOI.

- The permittee is responsible for monitoring utilization at key areas and providing information to the District Ranger at the close of the grazing season in accordance with the (AOI).

<b>WEST-SIDE FLAT CREEK ALLOTMENT HERBACEOUS UTILIZATION STANDARDS</b>		
<b>Vegetative Group</b>	<b>Current Condition</b>	<b>Maximum Utilization Standard</b>
<b>NORTH UNIT</b>		
<b>Riparian Areas</b>	Functioning-at-Risk	35%
<b>Uplands</b>	Functioning-at- Risk	40%
<b>SOUTH UNIT</b>		
<b>Riparian Areas</b>	Functioning-at-Risk	35%
<b>Uplands</b>	Functioning	50%

<b>WEST-SIDE FLAT CREEK ALLOTMENT BROWSE UTILIZATION STANDARDS</b>		
<b>Vegetative Group</b>	<b>Current Condition</b>	<b>Maximum Utilization Standard</b>
<b>NORTH UNIT</b>		
<b>Stream/Riparian</b>	Functioning-at-Risk	20%
<b>Mountain Brush</b>	Functioning	35%
<b>Aspen</b>	Functioning	20% of available suckers browsed
<b>Cottonwood</b>	Functioning	20% of available suckers browsed
<b>SOUTH UNIT</b>		
<b>Stream/Riparian</b>	Functioning-at-Risk	20%
<b>Mountain Brush</b>	Functioning	35%
<b>Aspen</b>	Functioning	20% of available suckers browsed
<b>Cottonwood</b>	NA	NA

## Range Improvement Maintenance Standards

### Construction and Maintenance Responsibilities

All improvements will be maintained to the original standards from which they were built. Maintenance of improvements will be performed in accordance with the Annual Operating Instructions (AOI). Maintenance includes materials needed for repairs and will be provided by the permittee.

## MONITORING AND EVALUATION

Monitoring will be conducted to ensure that the AMP is implemented according to schedule and that grazing management is accomplishing the management objectives specified in Section I of this AMP. Monitoring schedules are outlined below.

**Schedule for Implementation Monitoring Activities**

MONITORING ITEM	METHOD	MEASUREMENT FREQUENCY	ACTION TO BE TAKEN
Actual/Allowable Use	Utilization Measurements (landscape appearance, utilization cages, browse measurements)	Annually	Move livestock to next pasture or home when allowable use is reached.
Permit/AOI Compliance	Allotment inspections / unit examinations.	Annual spot-checks	Direct compliance to terms & conditions take appropriate permit action FSH 2209.13.

**Schedule of Effectiveness and Long-Term Monitoring Activities**

MONITORING ITEM	METHOD	MEASUREMENT FREQUENCY	PURPOSE OF MONITORING
Implementation of Matrices	Approved Protocols	Every 10 years.	Determine progress toward Desired Conditions.
Riparian Vegetation	Appropriate Methods (i.e., nested frequencies, ground cover, line intercept, ocular analysis, cover data, photo points, etc.)	2-5 years.	Determine trend and progress toward Desired Conditions.
Upland Vegetation	Appropriate Methods (i.e., nested frequencies, ground cover, line intercept, ocular analysis, cover data, photo points, etc.)	2-5 years.	Determine trend and progress toward Desired Conditions.

**Key Area Locations (short-term monitoring)**

PASTURE	NAME	LOCATION
North Unit	Three Mile Creek	Three Mile Creek
North Unit	Canyon Creek	Canyon Creek
South Unit	SF Flat Creek	SF Flat Creek
South Unit	Pole Creek	Pole Creek

**Benchmark Locations (long-term monitoring)**

PASTURE	NAME	LOCATION
North Unit	Three Mile Creek	Three Mile Creek
South Unit	SF Flat Creek	SF Flat Creek

**OFF-HIGHWAY VEHICLE USE**

The permittee is authorized to use off-highway vehicles (OHV) on existing roads and trails in order to facilitate their administration of this term grazing permit. Off-highway vehicle use off existing roads and trails is allowed on a limited basis, in order to maintain structural range improvements, place salt, and remove dead livestock as needed.