

Uinta-Watach-Cache National Forest - Spanish Fork Ranger District

BENMORE ALLOTMENT

ANNUAL OPERATING INSTRUCTIONS

2016



PERMITTED USE

Permittee	Permitted Use	Authorized Use	Brand	Brand Location
Pete and Judy Castagno	52 cow/calf 05/01 to 11/10	52 cow/calf 05/01 to 11/10	C	LS
Charles M. Larson Trust	145 cow/calf 05/01 to 11/10	145 cow/calf 05/01 to 11/10	K	RR
Vernon Utah Livestock	168 cow/calf 05/01 to 11/10	168 cow/calf 05/01 to 11/10	CS	LH
		Calves only	D	RH
Total	365 cow/calf	365 cow/calf		

GRAZING ROTATION

The Benmore Allotment is managed with a modified rest rotation system. The rotation for 2016 is listed below:

Pasture	Livestock Numbers	Dates of Use*	Days
Ault North/Ault BLM South Ault Lower Bennion East Benmore Pastures	197 cow/calf Castagno/Larson 168 cow/calf Vernon	05/01 to 06/15	46
Northeast Northwest/Bull Pasture West Benmore Pastures (except 21,22,25,26)	168 cow/calf Vernon	05/01 to 06/15	(46)
Pasture 35 North Middle Dutch East Dutch South Middle Dutch	365 cow/calf	06/16 to 08/01	47
Dutch Canyon Bennion Canyon	365 cow/calf	08/02 to 10/01	61
West Dutch Hidden	365 cow/calf	10/02 to 11/10	40
Benmore Pastures 21,22, 25,26	REST	REST	0
Total			194



**The above dates are flexible based on utilizations standards listed below:*

The permittees have the flexibility to alter the rotation since they are primarily monitoring the forage and cattle to determine when the livestock are moved from pasture to pasture.

FOREST PLAN AND ALLOTMENT MANAGEMENT PLAN REQUIREMENTS

The Uinta National Forest Land and Resource Management Plan, which was approved in 2003; the Benmore Allotment management plan (AMP) which was approved on March 17, 2010; the Ault BLM AMP which was approved on March 8, 2007; and the Ault AMP which was approved on March 16, 1994 list the following standards, guidelines and objectives:

Upland Forage Utilization

Standard: Limit grazing to meet the following utilization levels on non-riparian vegetation types based on the annual average of the current year’s growth. However, through June 15 at Strawberry Reservoir Management Area and through June 1 at the Vernon Management Area, minimum canopy cover and height requirements for greater sage grouse habitat take precedence over the forage utilization standards in the following table.

Forage Utilization Standards

Vegetation Type	Forage Utilization	
	Very Early – Early Seral	Mid – Late Seral
General Uplands and Winter Range		
Upland shrublands (sagebrush, snowberry, mountain mahogany species, cliffrose, bitterbrush, saltbrush, and mountain brush)	40%	60%
Grasslands	45%	65%

The upland areas Northwest Pasture of the allotment are in unsatisfactory condition due to the high amounts of bare ground, poor plant composition and vigor. These areas will be required to have no more than 40% utilization.

Guideline: Manage approximately 80 percent of potential greater sage grouse breeding and winter habitat areas in the Vernon and Strawberry Reservoir Management Areas to support the percentages and heights of canopy cover listed in the table below. Breeding habitat should retain the given height levels of grasses and a diversity of forbs annually through June 1 in the Vernon Management Area and June 15 in the Strawberry Reservoir Management Area. Vegetation should be maintained in a mosaic of openings and shrubs.



Vegetation Requirements in the Vernon and Strawberry Reservoir Management Areas

Vegetation Type	Minimum % Canopy Cover	Minimum Height Canopy Cover ¹	
		Vernon Management Area	Strawberry Reservoir Management Area
Greater Sage Grouse Breeding Habitat (Maintain through June 15 - Strawberry Vernon- maintain through June 1)*			
Sagebrush	15-25%	16-32 inches	16-32 inches
Grasses	≥ 15%	≥ 6 inches	≥ 7 inches
Forbs	≥ 10%	≥ 6 inches	≥ 7 inches
Greater Sage Grouse Winter Habitat			
Sagebrush	10-30% ²	10-14 inches ²	10-14 inches ²
Grasses	N/A	N/A	N/A
Forbs	N/A	N/A	N/A

¹ Minimum height is measured as droop height, the highest naturally growing portion of the plant.

Riparian Forage Utilization

Standard: Limit grazing to meet the following utilization levels within Riparian Habitat Conservation Areas (RHCA) based on the average current year's growth.

Utilization Standards by RHCA Class

RHCA Class	Minimum Percent of Stream Length	Utilization Standard by Season of Use			
		Very Early – Early		Mid – Late Seral	
		<i>Early</i>	Late	Early	Late
Minimum Greenline Stubble Height¹					
Class II Vernon Creek	80%	4"	5"	3"	4"
Class III Remainder of streams	70%	3"	4"	2"	3"
Forage Utilization Limits²					
Class II	80%	50%	40%	60%	50%
Class III	70%	60%	50%	65%	55%
Willow Utilization²					
Class II	80%	N/A	35%	N/A	50%
Class III	70%	N/A	35%	N/A	50%

Note: There are no willow utilization standards for early season use.

¹ Height of key species (palatable, hydrophytic species indicative of mid to late seral riparian plant communities, or as indicated in the site-specific Allotment Management Plan). If acceptable "key species" are absent from a site, only utilization standards shall be used.

² Percent of total average annual growth.

It is the permittee’s responsibility to make sure allowable use standards are not exceeded, especially in riparian areas. Permittees are encouraged to herd cattle away from riparian areas since they are generally the first areas utilized. If use along riparian areas reaches Forest Plan Standards and Guidelines, even if forage remains on the uplands, permittees will be required to remove cattle from the entire pasture or allotment.

Riparian Habitat Conservation Area (RHCA)

Portions of *watersheds* where *riparian*-dependent resources receive primary emphasis and management activities are subject to specific standards and guidelines. RHCAs include traditional *riparian* corridors, *wetlands*, *perennial* and *intermittent* streams, and other areas that help maintain the integrity of aquatic *ecosystems*. There are three RHCA classes of varying widths offering varying levels of protection: class I with widths extending 300 feet from each edge of the waterbody (600 feet total); class II with widths extending 200 feet from each edge of the waterbody (400 feet total); and class III with widths extending 100 feet from each edge of the waterbody (200 feet total). The only streams on the Benmore Allotment are Class III streams.

Additional Forest Plan Standards and Guidelines

Guideline: Maintain adequate ground cover to filter runoff and prevent detrimental erosion in Riparian Habitat Conservation Areas (RHCAs).

Riparian Habitat Conservation Area (RHCA) Ground Cover Requirements

RHCA	Minimum Ground Cover Requirement	Minimum Percent of RHCA to Meet Requirement
Class II	80% of Potential	80%
Class III	80% of Potential	70%

Standard: Locate livestock salt grounds outside of Riparian Habitat Conservation Areas (RHCAs).

Standard: Locate new livestock troughs, tanks, and holding facilities out of Riparian Habitat Conservation Areas (RHCAs). For existing livestock handling facilities inside RHCAs, assure that facilities do not prevent attainment of aquatic Forest Plan management direction. Modify, relocate, or close existing facilities where aquatic Forest Plan management direction cannot be met.

Guideline: Minimize trailing livestock through Riparian Habitat Conservation Areas (RHCAs). Close or relocate livestock driveways to minimize impacts to RHCAs.

Guideline: Subject to valid existing rights, free-flowing water and associated riparian vegetation communities should be retained at developed spring sites. If possible, existing spring developments should be modified to return water to riparian ecosystems within the source drainage.

Guideline: Avoid equipment operation in stream courses, open water, seeps, or springs. If use of equipment in such areas is required, impacts should be minimized.



Guideline: Limit equipment operation in Riparian Habitat Conservation Areas (RHCAs). If the use of equipment in these areas is required, incorporate additional mitigation to minimize adverse impacts.

Guideline: Implement intensive grazing management that provides periodic rest designed to achieve and maintain desired vegetation community composition and structure.

Guideline: Maintain at least 70 percent of potential effective ground cover to provide nutrient cycling and protect the soil from erosion in excess of soil loss tolerance limits.

Standard: Provide wildlife escape ramps in all developed water sources.

Guideline: Provide for wildlife movement through and/or around structures or project sites such as fences, spring developments, guzzlers, roads, and ditches.

Guideline: Defer livestock grazing in areas disturbed by wildland fire or other natural events until vegetation has reestablished sufficiently, but for no less than two growing seasons.

Standard: Only certified noxious weed-free hay or feed is allowed on National Forest land, including hay or feed for use by recreational livestock. Any materials such as hay, straw, or mulch that are used for rehabilitation and reclamation activities shall be certified weed-free.

Other Requirements

Actual Use: Please complete the enclosed actual use record form at the close of the grazing season and return to the Spanish Fork Ranger District before December 1.

Salt: Salt will be used as a tool to improve livestock distribution. Place salt where use is light, such as ridge tops and areas away from water. Avoid stock tanks, wet meadows, and creek bottoms. Place salt away from roads and developed trails.

State Livestock Health Laws: All owners of livestock must comply with state livestock health laws.

Dead Livestock: Livestock which die within 100 yards of public roads or live water will be disposed of in a manner approved by the District Ranger or his/her representative.

Off Road Vehicle Use: Off road vehicle use for reconstruction or maintenance of range improvements (when hauling materials only) listed in these operating instructions is hereby authorized. ATV's or trucks can be used to check water. ATV's or trucks can be used to haul salt on system and non-system roads or trails. No new trails or roads can be made. Use of off road vehicles is limited to periods of time when weather and ground conditions are such that rutting and soil movement will not occur. Any other off road vehicle use shall be approved in advance (location and time) by the District Ranger or his/her representative. Absent this approval, travel restrictions described in the Forest Supervisors Order of May 27, 2005 and in the Uinta National Forest Summer Travel Map (2007) apply.

Payment of Fees: The permittee will not allow owned or controlled livestock to be on Forest Service-administered lands unless the fees specified in the Bill for Collection are paid.



Compliance: The permittee is responsible for compliance with the terms and conditions of the grazing permit, allotment management plan, operating instructions and the directions of the Forest Officer in charge. Failure to meet these terms and conditions is violation of the grazing permit.

SCHEDULED ACTIVITIES

- ✓ The permittees will install 4, 16-foot metal gates at 1) The forest boundary at the Ault BLM pasture. 2) The Forest boundary at the road to the gravel pit 3) The fence between the Ault North and Ault BLM Pasture sand 4) The fence between the Northeast and Ault North Pastures. Gates 3 and 4 should not be installed until after the Forest Service Road crew has maintained the road so the new gates will not be damaged. The Forest Service will supply the material.
- ✓ The permittees will install a new aluminum trough in the Benmore Pastures Harker/Benmore Pipeline Trough #6 (821008T6) in Pastures 3,4,7,8. The Forest Service will supply the material.
- ✓ The permittees will construct approximately ½ miles of fence to incorporate that portion of the Northeast Pasture below the West Pheasant Pasture into the Benmore Pastures. The new fence will be along the west side of the Benmore Road. The old fence will be removed as needed. The Forest Service will provide the material.
- ✓ The permittees will install a tire trough in the Vernon Irrigation Company pipeline in the Northeast Pasture. The location will be moved as far away from Vernon Creek as possible. The Forest Service will provide the material, pending funding.
- ✓ The Forest Service will begin the NEPA process for and extension of the Vernon Reservoir Pipeline further into the North Ault Pasture and into the Ault BLM Pasture. Two tire troughs will be added, one in each pasture. This project is waiting for water rights approval.
- ✓ The Forest Service and the permittees will look at the new location for the Snow Hollow trough to determine if NEPA is required. The Forest Service will supply the trough, pending funding.
- ✓ The permittees will treat the whitetop at the Benmore Corrals.

MAINTENANCE RESPONSIBILITIES

The permittee is responsible for all improvements assigned in the term grazing permits and listed in these operating instructions. Maintenance shall mean the timely repair of management facilities to a condition adequate to perpetuate the life of the facility and to serve the purpose intended. All improvements will be maintained to the standard for which they were constructed. Maintenance includes permittee responsibility for furnishing the materials needed for repairs. Allotment boundary fences must be maintained before cattle enter the allotment. Pasture division fences and water developments must be maintained before cattle can enter each pasture. Improvements will be maintained to the following standards:

Posts, Poles and Bucks

- Replace broken or rotten posts, bucks, brace poles and poles
- Notch poles and attach to posts or bucks with spikes



Straighten and re-tamp loose wood brace and line posts
Straighten or replace bent steel posts

Wire

Replace broken wire if necessary
Splice wire with double strand 12-gauge minimum size barbed wire or smooth wire
Wrap end of broken wires back around itself to form eye
Place splicing wire through eye and wrap back around itself
Make at least three wraps in each eye
Make wraps adjacent to each other.
Re-space wire where spacing has been altered
Measure spacing from ground line in inches
4-wire 16 24 32 42
3 wire 18 28 40
Re-stretch wires tight with consideration for contraction and expansion
Wire will not be twisted or kinked

Stays

Replace broken or missing stays
Straighten bent wire stays

Trees

Remove all fallen trees from fences
Do not use logs and/or brush instead of poles or wire
If wire is attached to trees, nail wood slab to tree and staple wire to slab

Gates

Stretch wire so gates will not sag, but easily open and close
Make gate loops with smooth wire

Wire Fasteners

Replace missing staples and steel post clip
Drive staples diagonally into bucks, braces and stays
Drive staples in wood posts, bucks and stays so wire can move.
Drive staples in brace posts so wire cannot move

Water Developments

Keep troughs clean and free of debris
Repair leaks in troughs
Level water troughs
Replace broken trough braces
Replace or install small animal escape devices in troughs
Unplug pipelines if necessary
Replace trough plugs if missing
Replace broken pipes
Waterlines should be buried to protect from livestock
Clean and repair overflows
Maintain spring head fence according to above specifications
Clean spring boxes of debris and secure cover.
Drain water troughs and pipelines at the end of the season
Maintain overflows from ponds, keep spillways clean and protected from washing out

Maintenance responsibilities are listed below and shown on the attached map:



Map #	Improvement	Description	Maintenance	Infra #
0	Ault BLM/Dunbar Allotment Boundary Fence	0.22 miles of steel posts and 3 strands of barbed wire with spiral metal stays.	Vernon Utah Livestock	817002
1	Benmore/Vernon #1 Allotment Boundary Fence (Dutch Canyon/Harker)	1.93 miles of steel posts and 4 strands of barbed wire	Vernon Utah Livestock	821003
2	Benmore/Vernon #2 Allotment Boundary Fence (West Dutch/Kaiser and Harker)	2.23 miles of steel posts and 4 strands of barbed wire	Vernon Utah Livestock	821002
3	Benmore/Vernon #3 Allotment Boundary Fence (Benmore Pastures/Electric and Kaiser)	2.53 miles of wood posts, net wire, 3 strand barbed wire	Vernon Utah Livestock	821006
4	Benmore/Vernon #4 Allotment Boundary Fence (Bull Pasture/Electric)	1.00 miles of wood posts and 5 strands of barb wire	Larson	821010
5	Benmore/Vernon #5 Allotment Boundary Fence (Bull Pasture/Diagonal)	0.36 miles of wood posts and 5 strands of barb wire	Larson	821012
6	Benmore/Ault Allotment Boundary Fence	0.89 miles of steel posts and 4 strands of barbed wire and metal spiral stays	Larson	821031
7	Benmore/Bennion #1 Allotment Boundary Fence (Lower Bennion/Middle Pasture Boundary Fence)	1.53 miles of steel posts and 4 strands of barbed wire and metal spiral stays	Larson	821037
8	Benmore/Little Valley #3 Allotment Boundary Fence	1.99 miles of steel posts and 4 strands of barbed wire and metal spiral stays	Larson	821007
9	Ault/Ault BLM Allotment Boundary Fence	1.19 miles of steel and wood posts with net wire and 1 strand barb wire	Vernon Utah Livestock	818005

Map #	Improvement	Description	Maintenance	Infra #
10	Ault/Bennion #1 Allotment Boundary Fence	0.7 miles of wood and steel posts with 4 strands of barbed wire and spiral metal stays	Vernon Utah Livestock	818007
11	Ault/Bennion #2 Allotment Boundary Fence	0.097 miles steel posts with 3 strand barbed wire	Vernon Utah Livestock	818008
12	Ault/Benmore Allotment Boundary Fence	1.02 miles of wood and steel posts with 4 strands of barbed wire and spiral metal stays	Vernon Utah Livestock	818006
13	North/South Pasture Boundary Fence	1.08 miles of steel posts with 4 strands of barbed wire and wooden dancers	Vernon Utah Livestock	818001
14	Northeast/Northwest Pasture Boundary Fence	0.97 miles of steel posts and 4 strands of barbed wire	Vernon Utah Livestock	821034
15	Northeast/Lower Bennion Pasture Boundary Fence	0.83 miles of steel posts and 4 strands of barbed wire and metal spiral stays	Vernon Utah Livestock	821040
16	Northeast Pasture Division Fence	0.22 miles of steel posts and 4 strands of barbed wire and metal spiral stays	Larson	821033
17	Benmore Pastures/Northwest Pasture Boundary Fence	1.81 miles of wood posts with net wire and 3 strands barbed wire	Vernon Utah Livestock	821036
18	Bull Pasture/Northwest Pasture Boundary Fence	0.36 of wood posts and 4 strands of barbed wire and metal spiral stays	Larson	821011
19	Benmore Pasture Interior Fences	15.09 miles of wood posts with net wire and 3 strands barbed wire	Castagno	821029

Map #	Improvement	Description	Maintenance	Infra #
20	Benmore Pastures/Forest Service Horse Pasture Fence	1.00 mile of wood posts with net wire and barbed wire	Castagno (summer) Forest Service (winter)	821FA5
21	East Holding Pasture/35 Pasture Boundary Fence	0.32 miles of wood posts with net wire and 3 strands barbed wire	Castagno	821027
22	East Holding Pasture/Middle Dutch Pasture Boundary Fence	0.56 miles of steel & wood posts with 4 strands barbed wire	Larson	821028
23	West Dutch/35 Pasture Boundary Fence	1.17 miles of steel posts 4 strands barbed wire and spiral stays	Castagno	821004
24	Middle Dutch/35 Pasture Boundary Fence	1.04 miles of steel posts 4 strands barbed wire	Castagno	821005
25	Middle Dutch Pasture Division Fence	0.65 miles of steel posts with 3 strands barbed wire	Larson	821022
26	Middle/East Dutch #1 Pasture Boundary Fence Segment 1	0.76 miles of wood posts with 4 stands barbed wire	Larson	821025 segment 1
27	Middle/East Dutch #1 Pasture Boundary Fence Segment 2	0.48 miles of steel posts with 3 strands of barbed wire and metal spiral stays.	Larson	821025 segment 2
28	Middle/East Dutch #2 Pasture Boundary Fence	1.08 miles of steel posts with 3 strands of barbed wire and metal spiral stays.	Castagno	821026
29	Hidden Pasture/35 Pasture Boundary Fence	0.48 miles of steel posts and 4 strands of barbed wire and metal spiral stays	Vernon Utah Livestock	821016

Map #	Improvement	Description	Maintenance	Infra #
30	Hidden Pasture/Middle Dutch Pasture Boundary Fence	1.03 miles of steel posts and 4 strands of barbed wire	Larson	821017
31	Hidden Pasture/West Dutch Pasture Boundary Fence	1.02 miles of steel posts and 4 strands of barbed wire and metal spiral stays	Larson	821023
32	Hidden Pasture/Dutch Canyon Pasture Boundary Fence	0.40 miles of wood posts and 4 strands of barbed wire and metal spiral stays	Larson	821024
33	West Dutch/Dutch Canyon Pasture Boundary Fence	0.75 miles of steel & wood posts with 4 strands of barbed wire and metal spiral stays	Castagno	821001
34	Dutch Canyon/Bennion Canyon Pasture Boundary Fence	1.75 miles of steel posts and 4 strands of barbed wire and wood dancers	Vernon Utah Livestock	821015
35	North Bennion Exclosure	2374 feet or 0.44 miles feet of steel posts with 4 stands of barbed wire and metal spiral stays	Castagno Larson	321032
36	West Pheasant Pasture Fence	4747 feet or 0.9 miles of steel posts with 4 stands of barbed wire and metal spiral stays	Castagno Larson	321020
37	East Pheasant Pasture Fence	8606 feet or 1.63 miles of steel posts with 4 stands of barbed wire and metal spiral stays	Castagno Larson	321030
38	Northwest Pasture/Private Land Cattle Guard	16 foot channel steel		821CG1
39	Northeast Pasture/Private Land Cattle Guard	12 foot channel steel	Tooele County	821CG2

Map #	Improvement	Description	Maintenance	Infra #
40	Middle Dutch Pasture/ Private Land Cattle Guard #2	8 foot channel steel		821CG3
41	Benmore/Bennion #1 Allotment Boundary Fence Cattle Guard (Lower Bennion/Middle Pasture Boundary Fence)	12 foot channel steel	Tooele County	821CG4
42	Benmore/Vernon #2 Allotment Boundary Fence Cattle Guard #1 (West Dutch/Harker)	12 foot channel steel		821CG5
43	Benmore/Vernon #2 Allotment Boundary Fence Cattle Guard #2 (West Dutch/Kaiser)	Replaced by county with larger cattleguard. Get updated information	Tooele County	821CG6
44	Benmore/Vernon #4 Allotment Boundary Fence Cattle Guard (Bull Pasture/Electric)	12 foot channel steel	Tooele County	821CG7
45	Northeast Pasture Division Fence Cattle Guard	12 foot channel steel	Tooele County	821CG8
46	West Dutch/35 Pasture Boundary Fence Cattle Guard	14 foot channel steel	Tooele County	821CG9
47	Middle Dutch/35 Pasture Boundary Fence Cattle Guard	14 foot channel steel	Tooele County	821CG10
43	Middle Dutch Pasture Division Fence Cattle Guard	Replaced by county with larger cattleguard. Get updated information??	Tooele County	821CG14
48	Middle Dutch/Private Cattle Guard #1	14 foot channel steel	?????	821CG11

Map #	Improvement	Description	Maintenance	Infra #
49	Benmore Corrals	Wood timbers and metal panels with loading chute and scales	Benmore Association	821021
50	Harker/Benmore Pipeline Point of Diversion	2, 2 foot long, perforated pipe. Diverts water from Harker Creek	Vernon Utah Livestock	821008D
51	Harker/Benmore Pipeline	7.43 miles of 1.5 inch diameter polyethylene pipe	Vernon Utah Livestock	821008P
52	Harker/Benmore Pipeline Trough #1 (Dutch Canyon)	583 gallon, 14' x 4' x 18" galvanized Powder River trough	Vernon Utah Livestock	821008T1
53	Harker/Benmore Pipeline Trough #2 (West Dutch)	100 gallon steel army surplus casing 46" x 20" x 12"	Vernon Utah Livestock	821008T2
54	Harker/Benmore Pipeline Trough #3 (West Dutch/Pasture 35)	2,350 gallon, round fiberglass trough 14' diameter x 2'	Vernon Utah Livestock	821008T3
55	Harker/Benmore Pipeline Trough #4 (West Dutch)	583 gallon Powder River trough 46" x 20" x 12'	Vernon Utah Livestock	821008T4
56	Harker/Benmore Pipeline Trough #6 (Benmore Pastures)	550 gallon Powder River trough	Vernon Utah Livestock	821008T6
57	Harker/Benmore Pipeline Trough #7 (Benmore Pastures)	Round 10' diameter fiberglass trough	Vernon Utah Livestock	821008T7
58	Harker/Benmore Pipeline Trough #8	Round 10' diameter fiberglass trough	Vernon Utah Livestock	821008T8
59	Harker/Benmore Pipeline Trough #9	650 gallon fiberglass trough 14' x 4' x 18"	Vernon Utah Livestock	821008T9
60	Bennion Creek Pipeline Point of Diversion	Perforated pipe. Diverts water from Bennion Creek	Castagno	821014D

Map #	Improvement	Description	Maintenance	Infra #
61	Bennion Creek Pipeline Headbox Enclosure	1.09 miles of steel posts 4 strands of barbed wire	Castagno	821014F
62	Bennion Creek Pipeline	7.60 miles of 1.5 inch diameter polyethylene pipe	Castagno	821014P
63	Bennion Creek Pipeline Trough #1 (Dutch Canyon/Bennion Canyon)	495 gallon Powder River trough 46"x 20"x 12'	Castagno	821014T1
65	Bennion Creek Pipeline Trough #3 (Hidden Pasture)	450 gallon, half round steel trough 34"x 18"x 12"	Castagno	821014T3
66	Bennion Creek Pipeline Trough #4 (Bennion Canyon)	495 gallon Powder River Trough 46"x 20"x 12'	Castagno	821014T4
67	Bennion Creek Pipeline Trough #5 (East Dutch)	495 gallon Powder River Trough 46"x 20"x 12'	Castagno	821014T5
68	Bennion Creek Pipeline Trough #6 (South Middle Dutch)	1,243 gallon Fiberglass Trough 7"x 2' x 14'	Castagno	821014T6
69	Bennion Creek Pipeline Trough #7 (East Dutch)	235 gallon Powder River Trough 30"x 15"x 12'	Castagno	821014T7
70	Bennion Creek Pipeline Trough #8 (North Middle Dutch)	1,243 gallon Fiberglass Trough 7"x 2' x 14'	Castagno	821014T8
71	Bennion Creek Pipeline Pond	Earthen pond 80'x 80'x 10'	Castagno	821014PO
72	Bennion Creek Pipeline Trough #10 (East Holding Pasture)	583 gallon Powder River Trough, 3' x 4' x 12'	Castagno	821014T10
73	Bennion Creek Pipeline Trough #11 (Benmore Pastures)	650 gallon fiberglass trough 14'x 4' x 18'	Castagno	821014T11

Map #	Improvement	Description	Maintenance	Infra #
74	Bennion Creek Pipeline Trough #12 (Benmore Pastures)	650 gallon fiberglass trough 14'x 4'x 18	Castagno	821014T12
75	Bennion Creek Pipeline Trough #13 (Benmore Pastures)	650 gallon fiberglass trough 14'x 4'x 18	Castagno	821014T13
76	Bennion Creek Pipeline Trough #14 (Benmore Pastures)	650 gallon fiberglass trough 14'x 4'x 18	Castagno	821014T14
77	Vernon Reservoir Pipeline	0.98 miles of 1.5 inch diameter polyethylene pipe	Larson	821011P2
78	Vernon Reservoir Pipeline (Ault South)	0.95 miles of 1.5 inch polyethylene pipe. From the trough on the Bennion Allotment.	Vernon Utah Livestock	818011P3
79	Vernon Reservoir Pipeline (Ault North)	0.31 miles of 1.5 inch polyethylene pipe. From the trough on the Benmore Allotment.	Vernon Utah Livestock	818011P4
80	Vernon Reservoir Pipeline Trough #5 (Ault South)	2 fiberglass troughs, 14' x 7' x 2', 1243 gallons each.	Vernon Utah Livestock	818011T5
81	Vernon Reservoir Pipeline Overflow Pond #1 (Ault South)	10' x 15' x 6" earth overflow pond	Vernon Utah Livestock	818011PO1
82	Vernon Reservoir Pipeline Trough #6 (Lower Bennion)	650 gallon fiberglass trough 14'x 4'x 18"	Larson	821011T6
83	Vernon Reservoir Pipeline Trough #7 (Northeast)	750 gallon round galvanized trough 8'x 2'	Larson	821011T7
84	Vernon Reservoir Pipeline Trough #8 (Ault North)	2 fiberglass troughs, 14' x 7' x 2', 1243 gallons each.	Vernon Utah Livestock	818011T8

Map #	Improvement	Description	Maintenance	Infra #
85	Vernon Reservoir Pipeline Overflow Pond #2 (Ault North)	10'x 15'x 6" earth overflow pond	Vernon Utah Livestock	818011PO2
86	Vernon Irrigation Company Pipeline	0.18 miles of 1.5 inch diameter polyethylene pipe	Larson	821018P1
87	Vernon Irrigation Company Pipeline Trough #3 (Egan Knoll)	235 gallon Powder River Trough 30"x 15"x 12'	Larson	821018T3
88	Vernon Irrigation Company Pipeline	0.17 miles of 1.5 inch diameter polyethylene pipe	Larson	821018P2
89	Vernon Irrigation Company Pipeline Trough #4 (Northeast)	650 gallon fiberglass trough 14'x 4'x 18"	Larson	821018T4
90	Vernon Irrigation Company Pipeline Trough #5 (Northwest)	650 gallon fiberglass trough 14'x 4'x 18"	Larson	821018T5
91	Snow Hollow Headbox	Need to GPS	Larson	821009S
92	Snow Hollow Pipeline	0.62 miles of 1.5 inch diameter polyethylene pipe	Larson	821009P1
93	Snow Hollow Trough	495 gallon Powder River Trough 46"x 20"x 12'	Larson	821009T1
94	Muddy Pond Spring Exclosure	0.11 miles of steel posts and 4 strands of barbed wire and metal spiral stays	Larson	821013F
95	Muddy Pond	12,000 gallon earthen pond 60'x 40'x 10'	Larson	821013
96	Neil C. Frischknecht Exclosure	Steel & wood posts with 4 strands of barbed wire	FS Range	821RA9

Map #	Improvement	Description	Maintenance	Infra #
97	Benmore Pastures Range Exclosure #2	189 feet of steel posts with barbed wire	FS Range	821RA2
98	Benmore Pastures Range Exclosure #3	201 feet of steel posts with barbed wire	FS Range	821RA3
99	Benmore Pastures Range Exclosure #4	208 feet of steel posts with barbed wire	FS Range	821RA4
100	Benmore Pastures Range Exclosure #7	210 feet of steel posts with barbed wire	FS Range	821RA7
101	Benmore Pastures Range Exclosure #8	835 feet of wood posts with net wire	FS Range	821RA8
102	Benmore Pastures Range Exclosure #10	201 feet of steel posts with barbed wire	FS Range	821RA11
103	Vernon Creek Exclosure	2826 feet of steel posts with 4 stands of barbed wire and metal spiral stays	FS Wildlife	821WL8
104	Lower Dutch Water Pan and Exclosure	Water pan enclosed with 174 feet of steel posts with 4 stands of barbed wire and metal spiral stays	FS Wildlife	821WL36A 821WL36B
105	North Harker Water Pan and Exclosure	Water pan enclosed with 37 feet of steel posts with 4 stands of barbed wire and metal spiral stays	FS Wildlife	821WL37A 821WL37B
106	Bennion Wildlife Exclosure and Overflow Pond #4		FS Wildlife	821WL12 821WL12B

Map #	Improvement	Description	Maintenance	Infra #
107	West Pasture Exclosure and Overflow Pond	Storage tanks and overflow pond enclosed with 688 feet of steel posts with 4 stands of barbed wire and metal spiral stays	FS Wildlife	821WL6 821WL6B
108	East Pasture Exclosure and Overflow Pond	Overflow pond enclosed with 663 feet of steel posts with 4 stands of barbed wire and metal spiral stays	FS Wildlife	821WL34A 821WL34B
109	Bennion Wildlife Exclosure and Overflow Pond #1	Overflow pond enclosed with 290 feet of steel posts with 5 stands of barbed wire and metal spiral stays	FS Wildlife	821WL3 821WL3B
110	Bennion Wildlife Exclosure and Overflow Pond #2		FS Wildlife	821WL4 821WL4B
111	Bennion Wildlife Exclosure and Overflow Pond #3	Overflow pond enclosed with 482 feet of steel posts with 4 stands of barbed wire and metal spiral stays	FS Wildlife	821WL5 821WL5B
112	Dutch Creek Guzzler and Exclosure Fence	Fiberglass guzzler enclosed with 923 feet of steel posts with 4 stands of barbed wire and metal spiral stays	FS Wildlife	821WL9A 821WL9B
113	Grove Hollow Guzzler and Exclosure Fence	Fiberglass guzzler enclosed with 931 feet of steel posts with 4 stands of barbed wire and metal spiral stays	FS Wildlife	821WL2A 821WL2B
114	Grove Hollow Exclosure	0.63 miles of steel posts with 4 stands of barbed wire and metal spiral stays	FS Wildlife	821WL1

Map #	Improvement	Description	Maintenance	Infra #
115	Wildlife Exclosure	0.081 of steel posts with 4 strands of barbed wire and metal spiral stays	FS Wildlife	821WL38
116	Ault Guzzler	Fiberglass guzzler enclosed with 108 feet of fence. Water storage tank.	Forest Service Wildlife	818WL4A 818WL4B 818WL1

Changes in these annual operating instructions must be approved in advance by the Forest Service. We look forward to working with you this coming grazing season.



BENMORE ALLOTMENT ANNUAL OPERATING INSTRUCTIONS 2016

PERMITTEE

DATE

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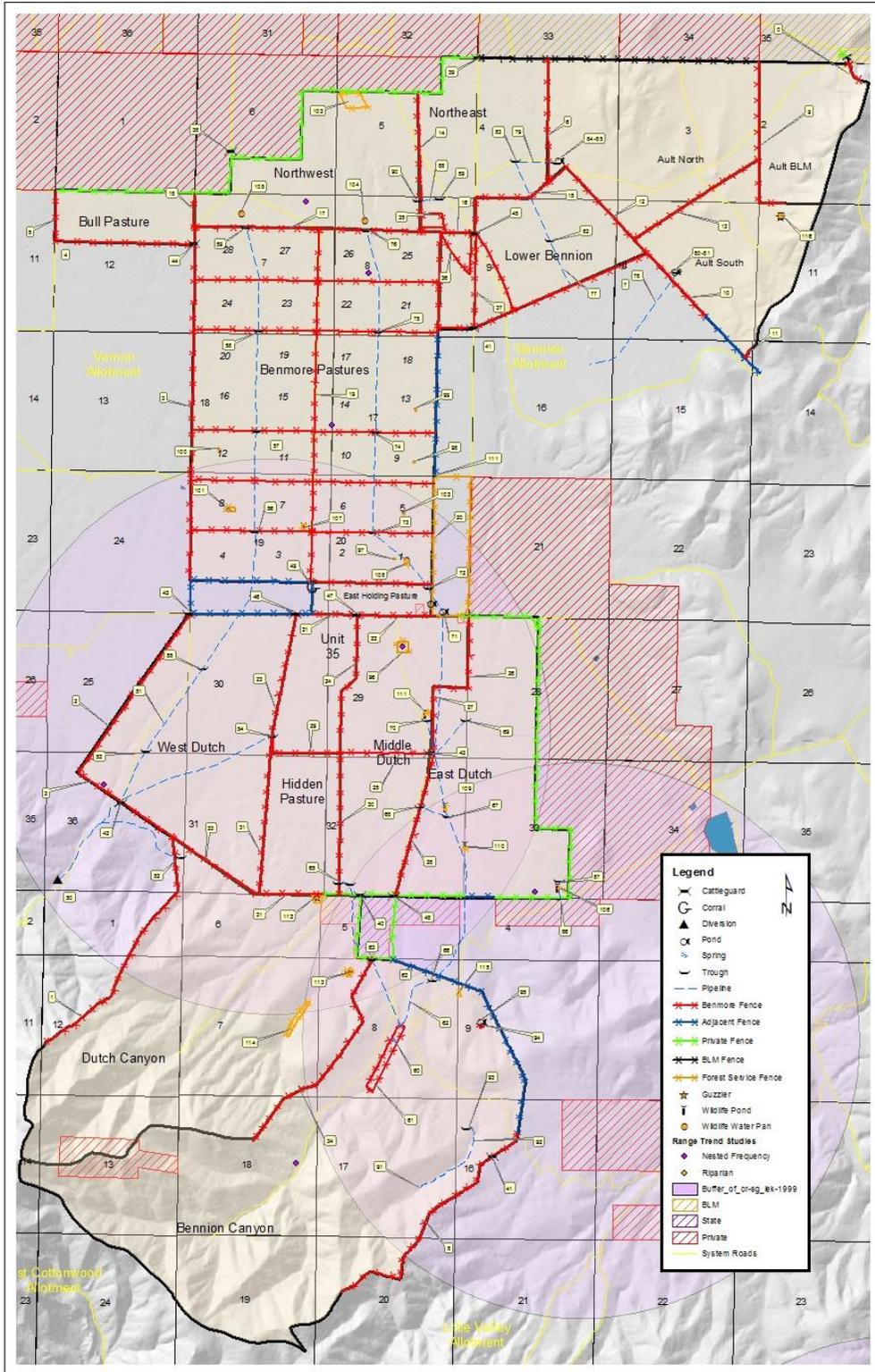
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SPANISH FORK DISTRICT RANGER

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Benmore-Ault-Ault BLM Allotment 2016

