

Uinta-Watach-Cache National Forest - Spanish Fork Ranger District
DIAMOND FORK ALLOTMENT
ANNUAL OPERATING INSTRUCTIONS
2016



PERMITTED USE

Permittee	Permitted Use	Authorized Use*
Spanish Fork Grazing Company LLC	2141 cow/calf 06/11 to 10/04 1600 cow/calf 10/05 to 10/11 1060 cow/calf 10/12 to 10/19 520 cow/calf 10/20 to 10/26	1473 cow/calf 06/11 to 09/29 200 cow/calf 06/11 to 07/24 512 cow/calf 07/25 to 10/13 973 cow/calf 09/30 to 10/06 473 cow/calf 10/07 to 10/20

*12% voluntary reduction in AUMS due to drought

Member	Permitted Livestock	Brand	Brand Location
Balzly Farms LLC	89	RB	LR/LH
Lynn B. and Kathryn Banks (Board-Fences)	90	VD	RH
Jon C. Beck	32	CD	LR/LH
Carson Angus Ranch LLC	100	BM	RH
Lew Christensen	34	P	RS
Ryan Creer	23	OC	LH
Marsha Edman	16	P	LH
Blaine Evans	4	IE	LH
Gary Evans	9	ZE	RR
Clearwater Farms LLC Kyle Batemen (Tim Grange Board-Livestock)	100	C	LH
J. Kay and Ann W. Hansen	140	J	RR
Ted E. and Kim C. Hansen	49	••	LR
Alan Hatfield	39	JH	RH
Rex E. Larsen (Board-Hauling)	60	cl	LH
Brent and Gary Larson (Gary Larson, Board-Water)	120	Z	RH



Member	Permitted Livestock	Brand	Brand Location
Ronald T. Ludlow	18	IX	LR
Michael W and Gayle W Lynn	60	L-	RH
		-L	LH
A and H McKell Family LC (Brent McKell)	18	HN	LH/RH
Kent McKell	18	HN	LR
Brent Money (Board-Secretary)	162	-	LR/LH/LS
J Ross Nielsen and Sons (Clay Nielsen – President)	197	N	LH
Nelson Living Trust (Frank Nelson)	106	♥	LH
Wayne and Arlene Peterson	16	PH	LH
Doug Richards	37	R	LH
Roach Family Trust	38	S-	LH/RH
Alan Swenson	181	>I	LH/LR
Karen Thomas	51	J	LH
Fred P Vincent Operations LLC	54	-	LH
Lisa Johnson	6	JY	RR
Jesse Warren	2	OI	LS
DKJN, LTD (Dan Williams)	25	D	LR
Keith A. Williams	127	O)	LR/LH
Mont Williams	120	n	LR
TOTAL	2141		



GRAZING ROTATION

The Diamond Fork Allotment is managed with a modified three-pasture rest rotation system. The Rays Valley Pasture will be used each year as a holding pasture whenever gathering livestock in or moving livestock through the Hollows Pasture. The grazing rotation has been modified to facilitate bush hog work on juniper in the Waters Pasture. The grazing rotation for 2016 is listed below.

**The above rotation dates are flexible based on utilizations listed below.*

Pasture	Livestock Numbers	Dates of Use*	Days
Waters	1323 cow/calf	06/11 to 07/21	41
Hollows	200 cow/calf	06/11 to 07/24	44
Hollows	150 cow/calf	06/11 to 07/21	41
Hollows	1473 cow/calf	07/22 to 08/31	40
Hollows	512 cow/calf	07/25 to 10/13	81
Diamond Fork	1473 cow/calf	09/01 to 09/29	29
Diamond Fork	793 cow/calf	09/30 to 10/06	7
Diamond Fork	473 cow/calf	10/07 to 10/20	14
Waters SW slope Teat Mountain south to Hwy 6, all of Sheep Creek drainage.	REST	REST	0
Diamond Fork All of pasture below Hawthorne Bridge including Little Diamond, Wanrhodes, Billy Taylor, Wignal, Red hollow, Lower Diamond Fork	REST	REST	0
Total	1985 cow/calf		

FOREST PLAN AND ALLOTMENT MANAGEMENT PLAN REQUIREMENTS

The Uinta National Forest Land and Resource Management Plan, which was approved in 2003 and the allotment management plan for the Diamond Fork Allotment which was approved on October 5, 1995 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.



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%
Rays Valley Pasture	45%	

Riparian Utilization

Standard: Limit grazing to meet the following utilization levels within Riparian Habitat Conservation Areas (RHCA's) 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	
		Early	Late
Minimum Greenline Stubble Height¹			
<u>Class I</u> Diamond Fork, Sixth Water, Fifth Water, Halls Fork	90%	5"	6"
<u>Class III</u> Remainder of Streams	70%	3"	4"
Forage Utilization Limits²			
Class I	90%	45%	35%
Class III	70%	60%	50%
Willow Utilization²			
Class I	90%	N/A	35%
Class III	70%	N/A	35%

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. Use of the rest pasture will not be allowed.



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).

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.

Riparian Habitat Conservation Area (RHCA) Ground Cover Requirements

RHCA	Minimum Ground Cover Requirement	Minimum Percent of RHCA to Meet Requirement
Class I	90% of Potential	90%
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.

Allotment Management Plan Objectives

Reach at least the mid-seral ecological status on all vegetative sites including uplands and riparian areas.

Other Requirements

Cattle Removal: Any time there is at least five pair of cattle below Brimhall they will be removed within 72 hours.

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. ATVs 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.

Flagging: The permittee is required to provide temporary signing and/or flaggers in front of and behind livestock when actively moving permitted livestock on the following paved Forest Service Roads: Diamond Fork Road (Forest Service Road 029) from the Forest Boundary to Springville Crossing for the purposes of moving cattle on and off the Forest and between pastures. The design, use and placement of temporary signs and flaggers on Forest Service Roads shall conform to local requirements specified by the Utah Department of Transportation for State Highways.”

Compliance: The permittee is responsible for compliance with the terms and conditions of the grazing agreement, 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 agreement.

SCHEDULED ACTIVITIES

- ✓ The company will install a new water filter and screen at the intake from the overflow campground water into the collection box for its addition to the Sams Canyon water development. The Forest Service will supply the material. The outlet must be a minimum of 12 inches above the collection box.
- ✓ The company will install a 15 foot diameter by 33 inch deep steel trough with a cement bottom at the Millers water development. The two Powder River troughs will be removed from the forest. Any remaining troughs at the top of the development can remain, but will not be replaced at the end of their ability to function. The Forest Service will provide the material.
- ✓ The company will install a 15 foot diameter by 33 inch deep steel trough with a cement bottom at the First Water water development. It will be located on the old road bed and the existing water trough will be removed out of the riparian area and off the Forest. The Forest Service will provide the material.
- ✓ The company will reconstruct the Tank Hollow water development. This will include the installation of two, nine-foot diameter round rubber blue troughs at the top (north end) of the Rabbit Pasture. One will be in Waters Pasture and one will be approximately 300 feet below the Rabbit Pasture Fence. The company will also remove the two-older abandoned troughs and other junk from the Forest. Additional pipe and a third nine-foot round rubber blue trough will be installed lower in the Rabbit Pasture. This will replace the abandoned Charles Evans Water Development which the company will also remove from the forest. The Forest Service will provide the material.
- ✓ The company will reconstruct the spring fence (approximately 210 feet) at the Hans Larson water development with a post and pole fence. The metal posts and barbed wire will be removed from the forest. The Forest Service will supply the material.



- ✓ The company will complete the Red Hollow water development pending water rights approval from the state of Utah.
- ✓ The company will reconstruct one-half mile of the Diamond Fork/Hobble Creek Allotment boundary fence from the cattle guard at Green Swales to the southwest. The Forest Service will provide the material.
- ✓ The Forest Service will meet with the company to determine what type of construction will be used on the fence east of the cattle guard at the Turkey pens. After an agreement is reached the Forest Service will reconstruct the fence.
- ✓ The Forest Service will have volunteers install a 12 foot metal gate with braces in the new west boundary of the Diamond Fork Campground Fence. It will be located east of the cattle guard in the corner were the fences come together.
- ✓ The Forest Service inspect the side roads that cross the Strawberry Ridge Fence to determine which are system roads and which are user created. Then it will be determined if metal gates or ATV cattle guards will be installed in the system roads. The Forest Service will provide the material and the company will install it. Future plans will be developed to close user created roads.
- ✓ The company will install a bow gate at the bridge/drift fence set up at the top of the campground fence. The Forest Service will provide the material.
- ✓ UDOT will work clean out the cattle guard Long Hollow and extend the fence to the cattle guard. The Forest Service will provide a smaller road closure gate if necessary.
- ✓ The Forest Service will clean the debris out from under the ATV cattleguard a Knoll Hollow on the Highway 6 fence so cattle will not cross over.
- ✓ The Forest Service will install springs on the 4 foot metal gate on the Dipping Vat trail.
- ✓ The company will install wildlife escape ramps will be installed on the active troughs in the used pastures this year. The Forest Service will supply the material.
- ✓ The Forest Service would like the company to treat the weeds at their corrals. The Forest Service will provide the herbicide.
- ✓ The Forest Service will have volunteers remove more of the abandoned Red Hollow Fence.
- ✓ The Forest Service and the company will inspect the Graveyard area to determine which troughs need to be replaced.
- ✓ The Forest Service will meet with the company to look at the Timber Mountain Pipeline and determine which troughs need to be replaced.



- ✓ The Forest Service will meet with the company to locate and inspect the troughs at Dry Canyon to see if they need to be replaced.
- ✓ The Forest Service will meet with the company to determine how the Mud Springs water development will be redeveloped.
- ✓ The Forest Service will meet with the association to decide on how big and what type of fence needs to be built at the spring for Jocks Canyon. A new head box is also needed.
- ✓ The Forest Service will meet with the company to start the NEPA process to continue the tank Hollow water line off the Forest to the Tank Hollow corral.
- ✓ The Forest Service will meet with the company to start the NEPA process extend a pipeline from the Mogbeck trough to the Lower Knoll Hollow trough.
- ✓ The Forest Service will meet with the company to start the NEPA process construct a riparian protection fence on Sheep Creek.
- ✓ The Forest Service will meet with the company to look at the Diamond Fork/Hobble Creek Allotment Boundary Fence to see if it needs to be extended past the Cottonwood Water Development.

MAINTENANCE RESPONSIBILITIES

The permittee is responsible for all improvements assigned in the grazing agreement 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 form livestock

Clean and repair overflows

Maintain spring head fence according to above specifications

Clean spring boxes or 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:

PERMITTEE= Spanish Fork Grazing Company L.L.C.

Map #	Improvement	Description	Responsibility	Infra #
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Map #	Improvement	Description	Responsibility	Infra #
1	UDOT Highway 6 Fence	14.9 miles of mostly net wire with 2 strands barbed wire with wood and steel posts	UDOT	813PR19
2	Sheep Creek Fence Forest boundary Fence (offline)	4817 feet of steel posts with 4 strand of barbed wire. Some with sheep wire and 2 stands of barbed wire.	Private Land Owner	813PR5
3	Diamond Fork/Hobble Creek Allotment Boundary Fence	4.58 miles of let down steel posts with 4 strands of barbed wire.	Permittee	813106
4	Strawberry Ridge Allotment Boundary Fence	11.12 miles of let down steel posts with 4 strands of barbed wire.	Permittee	813105
5	Diamond Fork Allotment Boundary Fence #2 (Chicken Hollow)	0.24 miles of wood posts with 4 strands of barbed wire	Permittee	813PR0
6	Brimhall Allotment Boundary Fence	Approximately 2534 feet or 0.48 miles of fence	Permittee	813004
7	Diamond Fork Allotment Boundary Fence #1 (Little Diamond)	0.5 miles of wood posts with 4 strands of barbed wire.	Permittee	813PR2
8	Diamond Fork/Hollows #1 Pasture Boundary Fence (Dipping Vat)	0.11 miles of steel post with 4 strand of barbed wire and wood dancers	Permittee	813110-1
9	Diamond Fork/Hollows #2 Pasture Boundary Fence (Tanners Ridge)	2.53 miles of let down steel posts with 4 strands of barbed wire and wood stays.	Permittee	813110-2
10	Diamond Fork/Hollows Pasture Boundary Fence #3 (Group Site)	2345 feet or 0.45 miles of 4 strands of barbed wire and steel posts	Permittee	813110-3
11	Diamond Fork/Hollows Pasture Boundary Fence #4 (Monks Hollow)	35 feet of 4 strands of barbed wire and steel posts	Permittee	813110-4



Map #	Improvement	Description	Responsibility	Infra #
12	Diamond Fork/Hollows Pasture Boundary Fence #5 (Turkey Pens)	0.577 miles of steel posts with 4 strands of barb wire.	Permittee	813110-5
13	Diamond Fork/Hollows Pasture Boundary Fence #6 (Brimhall-Old Forest Boundary Fence)	1550 feet or 0.29 miles of fence	Permittee	813001-6
14	Diamond Fork/Hollows Pasture Boundary Fence #7 (Between Private and Campground on north side of road)	754 feet or 0.14 miles	Abandoned till private fence built	813001-7
15	Hollows/Waters #1 Pasture Boundary Fence (Fourth Water Ridge)	2.79 miles of let down steel posts with 4 strands of barbed wire and wood stays.	Permittee	813112-1
16	Hollows/Waters #2 Pasture Boundary Fence (South of Rays Valley Road)	0.66 miles of let down steel posts with 4 strands of barbed wire and wood stays.	Permittee	813112-2
17	Hawthorn Drift Fence	2682 feet steel with 4 strands of barbed wire.	Permittee	813214
18	Red Hollow Drift Fence	3017 feet or 0.57 miles of of letdown steel posts with 4 strands of barbed wire and wood stays.	Permittee	813002
19	Gathering Area Drift Fence	0.14 miles of steel posts with 4 strands of barb wire.	Permittee	813141
20	Old Driveway fence	400 feet of old driveway fence	Permittee	813003
21	Rays Valley Pasture Fence	7.10 miles of wood and steel posts with 4 strand of barbed wire.	Permittee	813113
22	Brimhall Pasture Fence	2.23 miles of wood and steel posts with 4 strands of barbed wire.	Permittee	813114



Map #	Improvement	Description	Responsibility	Infra #
23	Rabbit Pasture Fence	3.3 miles of steel posts with net wire and 2 strands of barbed wire and steel posts and 4 strands barbed wire.	Permittee	813104
24	Old Rays Valley Road riparian fence	3.2 miles of steel posts with 4 stands of barbed wire	Permittee <i>If needed to meet utilization standards</i>	813WS2 813257
25	Upper Diamond Fork Riparian Fence	400 feet of post and 4 pole fence	Permittee	813258
26	Diamond Fork Camp Ground Fence	4.053 miles of steel posts with 4 strands of barb wire.	Forest Service Recreation	813RC1 813RC2
27	Group Site Fences		Forest Service Recreation	813RC7
28	Tank Hollow Dispersed Site Fences		Forest Service Recreation	813RC4
29	Red Hollow UDWR Drift Fence <i>Abandoned-being removed</i>	3.37 miles of let down steel posts with 4 strands of barbed wire and wood stays.		813DWR1
30	Monks Hollow Range Enclosure <i>Abandoned</i>	107 feet of wood post and net wire with top pole	None	813RA1
31	Upper Tank Hollow Livestock and Wildlife Enclosure	Livestock enclosure is 1561 feet of let down steel posts with 3 strand of barbed wire. Wildlife Enclosure is 930 feet of wood posts and 2 panels of net wire.	Forest Service Range & Wildlife	813RA2 813RA2W



Map #	Improvement	Description	Responsibility	Infra #
32	Tank Hollow Exclosure (Rabbit Pasture)	1372 feet of steel posts and 48 inch net wire	Forest Service Wildlife	8WL8134
33	Second Water Corral	50 foot diameter steel panel corral.	Permittee	813021
34	Fifth Water Horse Corral	64 x 16 steel panel corrals. GPS troughs and pipe line after installed.	Permittee	813026
35	Rays Valley Corral (Fifth Water)	60 x 50 foot steel panel corral	Permittee	813028
36	Sams Canyon Corral (Turkey Pens)	Steel panel corral. What is the size?	Permittee	813052
37	Wanrhodes Corral (Mapleton)	Metal panels. What is the size?	Permittee	813069
38	Tank Hollow Corral	80 x100 foot wood post and pole corral. What is the new construction?	Permittee	813PR20
39	BOR Corral	50 X 20 foot steel panel corral	Permittee	813221
40	Mill Hollow Corral	50 x 30 foot steel panel corral	Permittee	813030
41	Chicken Hollow Corral	1600 square foot wood post and pole corral	Permittee	813PR4
42	Sterling Hollow Corral	Multiple pen corrals made from railroad ties, highway guard rails, steel panels	Permittee	813PR18
43	Sterling Hollow Corral Water Development	20 foot by 4 foot steel round bottom trough. Water source from Spanish Fork City pipeline.	Permittee	813PR18T
44	Springville Crossing Company Cabin	Riders cabin, barn and corral	Permittee	813PR11 813PR11A 813PR11B



Map #	Improvement	Description	Responsibility	Infra #
45	Road Hollow Company Cabin	Riders cabin and corral	Permittee	813PR12 813PR13
46	Diamond Fork/Hobble Creek Allotment Boundary Fence Cattle Guard #2 (Mollies Nipple)	8 foot x 8 foot channel steel yellow cattle guard	Forest Service	813CG11
47	Diamond Fork/Hobble Creek Allotment Boundary Fence Cattle Guard #3 (Green Swales)	12 foot x 8 foot channel steel yellow cattle guard	Forest Service	813CG10
48	Diamond Fork/Hobble Creek Allotment Boundary Fence Cattle Guard #1 (Springville Road)	7.5 foot x 18 foot channel steel yellow cattle guard	Utah County	813CG9
49	Strawberry Ridge Allotment Boundary Fence Cattle Guard #1 (Horse Creek)	16 foot x 8 foot channel steel yellow cattle guard	Forest Service	813CG1
50	Strawberry Ridge Allotment Boundary Fence Cattle Guard #2 (North Squaw Peak)	14 foot by 8 foot pipe steel yellow cattle guard. GPS moved to a new site ¼ mile north in 2005.	Forest Service	813CG2
51	Strawberry Ridge Allotment Boundary Fence Cattle Guard #3 (South Squaw Creek)	8 foot by 8 foot channel steel yellow cattle guard.	Forest Service	813CG3
52	Strawberry Ridge Allotment Boundary Fence Cattle Guard #4 (Fourth Water Ridge)	8 foot by 8 foot channel steel yellow cattle guard.	Forest Service	813CG4
53	Strawberry Ridge Allotment Boundary Fence Cattle Guard #5 (Second Water)	8 foot by 8 foot channel steel yellow cattle guard.	Forest Service	813CG5



Map #	Improvement	Description	Responsibility	Infra #
54	Strawberry Ridge Allotment Boundary Fence Cattle Guard #6 (South of Second Water)	8 foot by 8 foot channel steel yellow cattle guard.	Forest Service	813CG6
55	Strawberry Ridge Allotment Boundary Fence Cattle Guard #7 (First Water Road)	9 foot x 20 foot channel steel yellow cattle guard	Forest Service	813CG7
56	Sheep Creek Forest Boundary Cattle Guard	30 foot x 8 foot channel steel cattle guard	Utah County	813CG36
57	Old Sheep Creek Road At Forest Boundary	14 foot x 8 foot channel steel cattle guard. Need to GPS	None	
58	UDOT Fence Cattle Guard #1 (Tank Hollow Corrals)	Need description	UDOT	813CG25
59	UDOT Fence Cattle Guard #2 (Long Hollow)	Need description	UDOT	813CG24
60	UDOT Fence Cattle Guard #3 (Chicken Hollow)	Need description	UDOT	813CG45
61	Diamond Fork Allotment Boundary Cattle Guard (Brimhall)	8 foot by 40 foot channel steel cattle guard	Utah County	813CG32
62	Diamond Fork/Hollow Pasture Boundary Fence Cattle Guard #2 (New Rays Valley Road)	Green 24 foot Channel Steel with cement bases	Utah County	813CG26
63	Diamond Fork/Hollows Pasture Boundary Fence Cattle Guard (Tanners Ridge)	7.5 foot x 16 foot channel steel yellow cattle guard	Forest Service	813CG12



Map #	Improvement	Description	Responsibility	Infra #
64	Hawthorn Drift Fence Cattle Guard	16 foot by 6 foot channel steel yellow cattle guard	Utah County	813CG34
65	Rays Valley Pasture Cattle Guard #1 (Rays Valley Road -South End)	7 foot by 34 foot channel steel orange cattle guard	Utah County	813CG13
66	Rays Valley Pasture Cattle Guard #2 (Lower Portal Road-) NW Rays Valley)	8.5 foot by 26 foot channel steel green cattle guard	CUP	813CG14
67	Rays Valley Pasture Cattle Guard #3 (Rays Valley Road -North End)	6.5 foot by 30 foot channel steel red cattle guard	Utah County	813CG15
68	Rays Valley Pasture Cattle Guard #4 (Candy Cane Road)	7 foot x 26 foot channel steel yellow cattle guard	CUP	813CG16
69	Diamond Fork Campground Cattle Guard #1 (Little Diamond)	20 foot x 8 foot channel steel green cattle guard	Forest Service	813CG17
70	Diamond Fork Campground Cattle Guard #3 (Wanrhodes)	18 foot x 8 foot channel steel green cattle guard	Forest Service	813CG18
71	Diamond Fork Campground Cattle Guard #5 (Lower End-new 2013)	Need description	Forest Service	813CG22
72	Diamond Fork Campground Cattle Guard #4 (Turkey Pens)	7.5 foot x 34 foot channel steel cattle guard	Forest Service	813CG30
73	Diamond Fork Group Sites Lower Cattleguard	Need description	Forest Service Recreation	313CG21



Map #	Improvement	Description	Responsibility	Infra #
74	Diamond Fork Group Sites Middle Cattleguard	Need description	Forest Service Recreation	313CG20
75	Diamond Fork Group Sites Upper Cattleguard	Need description	Forest Service Recreation	313CG19
76	Red Hollow Cattle Guard Removal	20 foot by 8 foot rail steel cattle guard	None	813CG35
77	Strawberry Ridge Fence ATV Cattle Guard # 1	ATV cattle guard (green) Rebar 6'x 8'	Forest Service Recreation	813CGATV1
78	Strawberry Ridge Fence ATV Cattle Guard # 2	ATV cattle guard (green) Rebar 6'x 8'	Forest Service Recreation	813CGATV2
79	Knoll Hollow ATV Cattle guard	ATV cattle guard. Rebar	Forest Service Recreation	813CGATV3
80	Long Hollow ATV Cattle guard	ATV cattle guard	Forest Service Recreation	813CGATV5
81	Monks Hollow ATV Cattle guard	ATV cattle guard	Forest Service Recreation	813CGATV6
82	Fifth Water Motorcycle Cattle guard	ATV cattle guard	Forest Service Recreation	813CGATV4
83	Sheep Creek ATV Trail ATV cattleguard	ATV cattle guard Will be removed in the future	Forest Service Recreation	
84	Tank Hollow Pond	15 x 50 foot earth pond. Post and pole fence around outlet.	Permittee	813PR21



Map #	Improvement	Description	Responsibility	Infra #
85	Charles Evans Water Development (Lower Rabbit Pasture) <i>Abandoned</i>	Buried cement head box. Head box is enclosed with 295 feet of wood post and pole fence. 285 feet of 1 inch diameter polyethylene pipe. 235 gallon sheet metal trough. 20 x 30 x 1 foot earth overflow pond. Wood post and pole fence across dam. Old torpedo trough needs to be removed.	Permittee	813006S 813006F 813006P 813006T 813006PO 813006TR
86	Knoll Hollow Pond (Tank Hollow)	30 x 15 foot earth pond	Permittee	813096
87	Tank Hollow Water Development (Rabbit Pasture Upper Trough)	20 x 20 inch steel head box. Head box is enclosed with 78 feet of wood post and 3 poles. 397 feet of 1.5 inch polyethylene pipe. Two round steel metal troughs. One Powder River Trough 10' x 1.5' and a half round 5' x 2' steel trough need to be removed.	Permittee	813008S 813008F 813008P 813008T1 813008T2
88	Lower Knoll Hollow Water Development	Undeveloped spring. 828 feet of 1 inch diameter polyethylene pipe. Two Powder River Troughs, 600 gallons.	Permittee	813009S 813009P 813009T
89	Upper Knoll Hollow Water Development	15 inch diameter galvanized steel barrel head box. Head box is enclosed with 170 feet of wood posts with 4 strands of barded wire. 75 feet of 1 inch polyethylene pipe. Torpedo trough.	Permittee	813098S 813098F 813098P 813098T
90	Jocks Pond #1	15 x 15 foot earth pond.	Permittee	813011



Map #	Improvement	Description	Responsibility	Infra #
91	Jocks Pond #2	20 x 20 foot earth pond. Wood post and pole fence across dam.	Permittee	813012
92	Jocks Canyon Water Development	3 foot by 2 foot fiberglass headbox. Head box is enclosed with 197 feet of wood and steel posts with 4 strands of barbed wire. 264 feet of 1.5 inch diameter polyethylene pipe. 15 x 20 foot earth pond.	Permittee	813013S 813013F 813013P 813013PO
93	Bradford Water Development	Undeveloped spring source. Spring source is enclosed with 16 feet of steel posts and 4 strand of barbed wire. 26 feet of 1.5 inch polyethylene pipe. Half round steel trough.	Permittee	813014S 813014F 813014P 813014T
94	Dry Canyon Water Development	GPS. Go past tower, and it is in the pines on the right hand side. You can drive most of the way.	Permittee	813120
95	Mogbeck Water Development	Undeveloped spring. Spring is enclosed with 118 feet of wood posts and 4 poles. 190 feet of 1.5 inch diameter galvanized steel pipe. 14 foot x 7 foot x 2 foot-1243 gallon fiberglass trough. 15 x 30 x 5 foot earth pond.	Permittee	813010S 813010F 813010P 813010T 813010PO
96	Christmas Springs Water Development (Dog Trough)	24" by 3 foot fiberglass headbox with 40 feet of wood post and pole fence. 134 feet of 1.5 inch diameter polyethylene pipe. 14' galvanized Powder River trough.	Permittee	813097S 813097F 813097P 813097T
97	Millers Pond #1	40 x 60 x 10 foot earth pond	Permittee	813200



Map #	Improvement	Description	Responsibility	Infra #
98	Millers Pond #2	40 x 30 foot earth pond. Post and pole fence around outlet.	Permittee	813015
99	Sheep Creek Reseeding Water Development (Lower Streepers)	26 inch galvanized steel culvert head box. Head box is enclosed with 95 feet of post and pole fence. 70 feet of 1.5 inch polyethylene pipe. 583 gallon Powder River Trough. 60 foot by 35 foot by 5 foot overflow earthen pond. Remove old head box (Not GPSED).	Permittee	813024S 813024F 813024P 813024T 813024PO
100	Upper Streepers Water Development	30 inch diameter galvanized garbage can head box. Head box is enclosed with 290 feet of post and pot and net wire. 278 feet of 1.5 inch polyethylene pipe. 583 gallon Powder River Trough. 258 gallon Powder River Trough needs to be removed.	Permittee	813031S 813031F 813031P 813031T 813031TR
101	Millers Water Development	First head box is 30 inch diameter galvanized steel garbage can. Head box is enclosed with 500 feet of steel post with 5 strand of bard wire and wood stays. Second head box is 30 inch diameter galvanized steel garbage can. Head box is enclosed with wood post and pole fence. 930 feet of 1.5 inch diameter polyethylene pipe. First trough is two Powder River Troughs. Second trough is an 8 foot diameter green rubber trough.	Permittee	813017S1 813017F1 813017S2 813017F2 813017P 813017T1 813017T2
102	Hunter Pond #1	60 feet x 50 feet x 4 feet	Permittee	813213



Map #	Improvement	Description	Responsibility	Infra #
103	Hunter Pond #2	GPS above Hunter Pond #1 in the pines	Permittee	813123
104	Willards Pasture Water Development	Two 15 inch diameter galvanized steel garbage can head box. Head box is enclosed with 1372 feet of wood posts and 4 poles. 259 feet of 1.5 inch diameter polyethylene pipe. Two 538 gallon Powder River Troughs. Old steel trough needs to be removed.	Permittee	813016S1 813016S2 813016F 813016P 813016T1 813016T2 813016TR
105	Last Water Hole Water Development <i>(Abandoned if exists)</i>	GPS if exists Sec 20 T9S R6E	None	
106	First Water #2 Water Development <i>(Abandoned if exists)</i>	GPS if exists. Old information and on a map. Dale saw 20-30 years ago.	None	
107	First Water Water Development	12 inch diameter galvanized steel culvert. Head box is enclosed with 246 feet of wood post and pole fence. 144 feet of 1.5 inch diameter polyethylene pipe. 235 gallon, steel trough. Two old troughs need to be removed not GPSed)	Permittee	813020S 813020F 813020P 813020T
108	Third Water Water Development	First head box is a 26 inch diameter galvanized culvert. Second head box is a 30 inch diameter galvanized garbage can. Head boxes are enclosed with 112 feet of post and pole fence. 74 feet of 1.5 inch polyethylene pipe. 583 gallon Powder River Trough.	Permittee	813050S1 813050S2 813050F 813050P 813050T



Map #	Improvement	Description	Responsibility	Infra #
109	Hans Larson Water Development (Second Water)	15 inch diameter galvanized steel garbage can head box. Head box is enclosed with 210 feet of wood posts and 4 stands of bard wire. 196 feet of 1.5 inch diameter polyethylene pipe. 538 gallon, Powder River Trough.	Permittee	813022S 813022F 813002P 813022T
110	Syar Pond	40 x 50 foot earth pond. Water source from CUP SYAR Tunnel.	CUP	813SU1
111	Box Spring Water Development	Galvanized Steel Garbage Can Headbox. Spring is enclosed with 213 feet of wood post and pole fence. 154 feet of 1.5 inch diameter polyethylene pipe. 14 foot x 4 foot x 16 inch-650 gallon fiberglass trough.	Permittee	813027S 813027F 813027P 813027T
112	Fourth Water Water Development	30 inch diameter galvanized garbage can head box. Head box is enclosed with 66 feet of post and pole fence. 203 feet of 1.5 inch polyethylene pipe. 583 gallon galvanized Powder River Trough.	Permittee	813047S 813047F 813047P 813047T
113	Fifth Water Water Development (Bear Flat)	20 inch diameter galvanized culvert head box. Head box is enclosed with 48 feet of post and pole fence. 66 feet of 1.5 inch polyethylene pipe. 583 gallon Powder River Trough. Torpedo trough in trail needs to be removed.	Permittee	813048S 813048F 813048P 813048T 813048TR



Map #	Improvement	Description	Responsibility	Infra #
114	Lightning Springs Water Development	5 gallon plastic bucket head box. Head box is enclosed with 80 feet of post and pole fence. 70 feet of 1.5 inch polyethylene pipe. 583 gallon Powder River Trough. Torpedo Trough. Remove 3 old troughs (Not GPSED).	Permittee	813045S 813045F 813045P 813045T1 813045T2
115	Mud Springs Water Development	Galvanized culvert head box. Head box is enclosed with 512 feet of let down steel posts with wood stays. 98 feet of 1.5 inch polyethylene pipe. 583 gallon Powder River Trough. 35 foot by 40 foot earthen overflow pond. 45 foot by 60 foot earthen overflow pond.	Permittee	813043S 813043F 813043P 813043T 813043PO1 813043PO2
116	Cat Trail Trough Water Development	Type of head box unknown. Buried under dirt and logs. Head box is enclosed with 169 feet of post and pole fence. 125 feet of 1.5 inch polyethylene pipe. 583 gallon Powder River Trough.	Permittee	813044S 813044F 813044P 813044T
117	Upper Graveyard Trough Water Development	26 inch diameter galvanized garbage can head box. Head box is enclosed with 50 feet of post and pole fence. 199 feet of 1.5 and 1 inch polyethylene pipe. 583 gallon Powder River Trough. Remove 2 steel yellow troughs.	Permittee	813102S 813102F 813102P 813102T 813102TR
118	Graveyard Pond (Abandoned)	40 Foot by 30 foot earthen pond	Permittee	813125



Map #	Improvement	Description	Responsibility	Infra #
119	Upper Graveyard Pond	GPS West of the Big Graveyard upper trough about 3/8 of a mile	Permittee	813126
120	Sixth Water Pond	40 foot by 30 foot earthen pond	Permittee	813061
121	Road Hollow Water Development	GPS. Trough above cabin and across the creek, ½ round 90 gal. Fenced spring.	Permittee	813127
122	Sixth Water Water Development <i>(Abandoned possibly redeveloped)</i>	GPS Old cement head box, may want to redevelop. Below cat trail and above the road between dipping vat and Strawberry ridge. Sec 1 or 2 T8S R6E. Steve will show.	None	813128
123	Lower Dipping Vat Water Development	18 inch diameter galvanized garbage can head box. Spring is enclosed with 50 feet of post and pole fence. 233 feet of 1.5 inch polyethylene pipe. 583 gallon Powder River Trough. Remove torpedo trough (Not GPSED)	Permittee	813037S 813037F 813037P 813037T
124	Upper Dipping Vat Water Development	Undeveloped spring. Spring is enclosed with 86 feet of post and pole fence. 25 feet of 1.5 inch polyethylene pipe. 583 gallon Powder River Trough. Half round trough needs to be removed (Not GPSed)	Permittee	813035S 813035F 813035P 813035T



Map #	Improvement	Description	Responsibility	Infra #
126	Two Tom Water Development	Need description of headbox. Spring is enclosed with 35 feet of post and pole fence. 94 feet of 1.5 inch polyethylene pipe. 500 gallon Powder River Trough. 50 foot by 35 foot earthen overflow pond. Remove old round trough and metal junk at spring (Not GPSED).	Permittee	813039S 813039F 813039P 813039T 813039PO
127	Two Tom Pond #1	GPS. South of Two Tom Water Development also has only torpedo trough (never installed) and abounded post and pole spring fence.	Permittee	813130
128	Two Tom Pond #2	GPS	Permittee	
129	Yellow Jacket Pond	50 foot by 80 foot earthen pond	Permittee	813034
130	Yellow Jacket Water Development	26 inch diameter galvanized garbage can head box. Head box is enclosed with 38 feet of post and pole fence. 15 feet of 1.5 inch polyethylene pipe. 583 gallon Powder River Trough. GPS overflow Pond.	Permittee	813215S 813215F 813215P 813215T
131	Farmers Slope Pond	40 feet x 60 feet by 10 feet earth pond.	Permittee	813051
132	Bend Water Development	Headbox. 644 feet of 1.5 inch poly pipe. 14 foot x 4 foot x 18 inch-650 gallons fiberglass trough.	Permittee	813255S 813255P 813255T
133	Sage Hen Spring Exclosure and Headbox	524 feet of wood post and pole fence. Need to Describe headbox	Permittee	813212F 813212S



Map #	Improvement	Description	Responsibility	Infra #
134	Old Rays Valley Road Pipeline	Approximately 0.8 miles of 1.5 inch polyethylene buried pipe.	Permittee	813212P
135	Homestead Trough	650 gallon 14'x 4'x 18" fiberglass trough	Permittee	813212T1
136	Watergap Trough	14 foot x 7 foot x 2 foot-1243 gallon fiberglass trough.	Permittee	813212T2
137	Lower Green Hollow Water Development	30 inch diameter galvanized garbage can head box. Head box is enclosed with 89 feet of wood post and post fence with steel pipe top pole. 219 feet of 1.5 inch diameter polyethylene pipe. 583 gallon Powder River Trough.	Permittee	813056S 813056F 813056P 813056T
138	Lower Green Hollows Pond	50 feet x 40 feet x 4 feet earth pond.	Permittee	813057
139	Whitetop Pond	Earthen Dam 30'x 20'x 5'	Permittee	813254
140	Middle Green Hollow Pond	80 feet x 30 feet x 10 feet earth pond.	Permittee	813058
141	Upper Green Hollows Water Development	30 inch diameter galvanized steel garbage can head box. Head box is enclosed with 427 feet of steep posts and 6 strands of barbed wire. 632 feet of 1.5 inch diameter polyethylene pipe. 583 gallon Powder River Trough.	Permittee	813059S 813059F 813059P 813059T
142	Upper Green Hollows Pond	40 feet x 40 feet x 8 feet earth pond.	Permittee	813060
143	Unnamed Pond	GPS	None	



Map #	Improvement	Description	Responsibility	Infra #
144	Timber Mountain Water Development	Buried perforated pipe. GPS headbox further down, below pond. 1.25 miles of 1.5 inch diameter polyethylene pipe. First trough is a 583 gallon Powder River Trough. Second group of troughs includes two 583 gallon Powder River Troughs and one half round steel trough. 80 foot by 30 foot by 5 foot overflow pond. Last trough on the pipeline needs to be removed (Not GPSED).	Permittee	813068S 813068F 813068P 813068T1 813068T2 813068T3 813068PO
145	Timber Mountain Pond	40 foot by 40 foot earth pond	Permittee	813118
146	Green Swales Water Development	26 inch diameter galvanized culvert head box. Head box is enclosed with 392 feet of wood post and post fence. 102 feet of 1.5 inch diameter polyethylene pipe. 80 foot x 80 foot earth pond. Two old troughs need to be removed.	Permittee	813063S 813063F 813063P 813063PO 813063TR1 813063TR2
147	Cottonwood Water Development	Undeveloped spring. Spring is enclosed with 84 feet of post and pole fence. 50 feet of 1.5 inch polyethylene pipe. First trough is 235 gallon Powder River Trough. Second trough is half round steel. Remove old galvanized pipe.	Permittee	813103S 813103F 813103P 813103T1 813103T2
148	Boyer Water Development <i>(Abandoned if exists)</i>	GPS IF EXISTS. It's fenced in with private land.	None	



Map #	Improvement	Description	Responsibility	Infra #
149	Joes Pond #1 Water Development	100 x 100 x 5 foot pond on private land is the water source. 789 feet of 1.5 inch diameter polyethylene pipe. 235 gallon Powder River Trough.	Permittee	813PR074S 813074P 813074T
150	Joes Pond #2	15 x 15 foot earth pond	Permittee	813073
151	Wanrhodes Pond #1	40 x 60 foot earth pond	Permittee	813072
152	Wanrhodes Pond #2	40 x 50 foot earth pond	Permittee	813071
153	Wanrhodes Pond #3	GPS	None	813131
154	Wanrhodes Pond #4.	GPS	None	
155	Billy Taylor Water Development	Head box is enclosed with 40 feet of wood post and pole fence. 309 feet of 1.5 inch diameter polyethylene pipe. 8 foot round blue rubber trough and Powder River Trough.	Permittee	813PR1S 813PR1F 813PR1P 813PR1T1 813PR1T2
156	Billy Taylor Pond	80 foot by 50 foot ear pond	Permittee	813PR10
157	Red Hollow #1 Water Development	18 inch diameter black ADS pipe with yellow plastic lid. Enclosed with a post and pole fence. 64 feet of 1.5 inch diameter polythene pipe and 1.0 inch diameter galvanized steel pipe. Steel trough. <i>A guzzler is also hooked to the pipeline and an exclosure fence</i>	Permittee Forest Service Wildlife	813203S 813203P 813203T
158	Red Hollow Guzzler #1	6 foot diameter fiberglass guzzler. Guzzler is enclosed with post and pole fence. 127 feet of 1.5 inch diameter polyethylene pipe. Water source from livestock trough	Forest Service Wildlife	8WL8132A 8WL8132B 8WL8132C



Map #	Improvement	Description	Responsibility	Infra #
159	Red Hollow #2 Water Development	One cement head box and one garbage can headbox. Both head boxes are separately enclosed with 36 feet of wood post and pole fence. 878 feet of 1.5 inch diameter polyethylene pipe. Steel half round trough. <i>A guzzler is also hooked to the pipeline and an exclosure fence</i>	Permittee	813202S1 813202S2 813202F1 813202F2 813202P 813202T
160	Red Hollow Guzzler #2	6 foot diameter fiberglass guzzler. Guzzler is enclosed with post and pole fence. Water source from livestock trough	Forest Service Wildlife	813WL5 813WL5B
161	Red Hollow #3 Water Development <i>(Abandoned)</i>	Galvanized steel garbage can head box. 40 feet post and pole fence. 62 feet of ¾ inch galvanized pipe. No trough	PERMITTEE	813256S 813256F 813256P
162	Red Hollow #4 Water Development	GPS All. Headbox, fence, pipe, 2, 6-foot round green rubber trough. One at spring and one by road.	Permittee	813142
163	Wignal Water Development	Undeveloped spring. Spring is enclosed with 89 feet of wood post and pole fence. 294 feet of 1.5 inch diameter polyethylene pipe. 583 gallon Powder River Trough. Torpedo trough needs to be removed.	Permittee	813095S 813095F 813095P 813095T 813095TR
164	Red Hollow Pond	35 x 35 foot earth pond	Permittee	813204
165	Red Mountain Water Development	GPS	Permittee	813132



Map #	Improvement	Description	Responsibility	Infra #
166	Monks Hollow Pipeline Water Development (Pierce Bench)	20 inch diameter galvanized steel culvert head box. The headbox is enclosed with a post and pole fence approximately 5'x5'x5' that needs to be GPSed. The fence is inside the Pine Hollow WD fence. 2.39 miles of 1.5 inch diameter polyethylene pipe. Trough #1; 538 gallon galvanized Powder River Trough. Trough #2:192 gallon Powder River Trough. 30 x 35 x 2 foot earth pond with buck and pole fence on dam. Trough #3: 192 gallon Powder River Trough	Permittee	813088S 813088F 813088P 813088T1 813088T2 813088PO 813088T3
167	Pine Hollow Water Development	Galvanized culvert headbox. 550 feet of wood post and pole and net wire fence. 700 feet of 1.5 inch poly pipe. 538 gallon Powder River Trough.	Permittee	813133S 813133F 813133P 813133T
168	Hansen Spring Water Development	20 inch diameter steel culvert head box. Head box is enclosed with 1056 feet of let down, steel posts with 5 strands of barbed wire. 476 feet of 1.5 inch diameter polyethylene pipe. Trough #1: 495 gallon Powder River Trough. Trough #2: 235 gallon Powder River Trough. Two old steel troughs, 2 old culverts and old fence need to be removed. (old troughs are GPSED)	Permittee	813101S 813101F 813101P 813101T1 813101T2 813101TR1 813101TR2
169	Lower Road Pond	30 x 20 x 4 foot earth pond	Permittee	813080
170	Upper Road Pond	35 x 35 x 4 foot earth pond	Permittee	813079



Map #	Improvement	Description	Responsibility	Infra #
171	Road Water Development	24 inch diameter steel culvert head box. Head box is enclosed with 217 feet of wood post and post fence. 165 feet of 1.5 inch diameter polyethylene pipe. 583 gallon galvanized Powder River Trough.	Permittee	813078S 813078F 813078P 813078T
172	Lower Brimhall Pond	40 x 40 x 4 foot earth pond	Permittee	813082
173	Upper Brimhall Pond	30 x 30 x 5 foot earth pond	Permittee	813081
174	Upper Chicken Hollow Water Development	20 inch diameter steel culvert head box with tin sheets for lid. Head box is enclosed with 413 feet of Wood post and pole and wood post and 5 strands of barbed wire. 265 feet of 1.5 inch diameter polyethylene pipe. 583 gallon galvanized Powder River Trough. Two old troughs that need to be removed (One was GPSed and one was not).	Permittee	813083S 813083F 813083P 813083T 813083TR
175	Lower Chicken Hollow Water Development	20 inch diameter galvanized garbage can head box. Need to GPS pipe. 340 gallon Powder River Trough. Old steel trough needs to be removed.	Permittee	813099S 813099T 813099TR
176	Long Hollow Pond	40 x 40 foot earth pond	Permittee	813084
177	Long Hollow Water Development	Approximately 14' diameter steel culvert headbox. 5680 feet or 1.07 miles of 1 ½ inch diameter polyethylene pipe 583 gallon Powder River Trough. Round steel trough.	Permittee	813085S 813085P 813085T1 813085T2



Map #	Improvement	Description	Responsibility	Infra #
178	Big Jane Water Development	Tough was GPSed. Need Description. Need to GPS spring and pipeline. Headbox Comes from old drill pad up by a gravel pit.	None	813PR6
179	Chicken Hollow Water Development	5 gallon plastic bucket head box. Head box is not enclosed with a fence. 295 feet of 1.5 inch polyethylene pipe. 400 gallon round steel trough.	Permittee	813PR3S 813PR3P 813PR3T
180	Sterling Ranch #1 Water Development (Upper Brimhall)	30 inch diameter galvanized steel garbage can. Head box is enclosed with 132 feet of wood post and pole fence. 32 feet of 1.5 inch diameter polyethylene pipe. 14 foot x 4 foot x 18 inch-650 gallon fiberglass trough. 55 x 50 x 2 foot earth overflow pond. Need to remove two old troughs one is not GPSed.	Permittee	813092S 813092F 813092P 813092T 813092PO 813092TR
181	Sterling Ranch #2 Water Development (abandoned)	5 gallon plastic bucket head box. Head box is enclosed with wood and steel posts and 4 strands of barbed wire. 59 feet of 1.5 inch diameter polyethylene pipe. 235 gallon Powder River Trough.	None	813094S 813094F 813094P 813094T
182	Brimhall Pasture Pond Water Development	100 feet by 20 feet by 2 feet earthen pond. Pond is enclosed with a 921 foot steel fence with 4 stands of barbed wire and wood stays. 705 feet of 1.5 inch polyethylene pipe. 14 foot x 7 foot x 2 foot-1243 gallon fiberglass trough. GPS overflow Pond.	Permittee	813252PO 813252F 813252P 813252T
183	Brimhall Pasture Pond	40 x 40 foot earth pond	Permittee	813205



Map #	Improvement	Description	Responsibility	Infra #
184	Sams Canyon Water Development	20 inch diameter fiberglass can head box. Head box is enclosed with 132 feet of wood post and pole fence. 0.52 miles of 1.5 inch diameter polyethylene pipe. Need to GPS pipe from first trough to corral. 40 x 40 inch cement collection box with steel lid. First trough is 800 gallon round fiberglass trough. Second and third troughs are in Sam's Canyon Corral. The second trough is a 295 gallon Powder River Trough. The third trough is steel military surplus and needs to be removed. Unable to locate headbox in west fork.	Permittee	813055S 813055F 813055P 813055C 813055T1 813055T2 813055TR
185	Upper Sams Canyon Water Development	5 gallon plastic bucket head box. Head box is enclosed with 295 feet of post and pole and steel posts with barbed wire fence. 37 feet of 1.5 inch diameter polyethylene pipe. 583 gallon Powder River Trough.	Permittee	813100S 813100F 813100P 813100T

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.



DIAMOND FORK ALLOTMENT ANNUAL OPERATING PLAN 2016

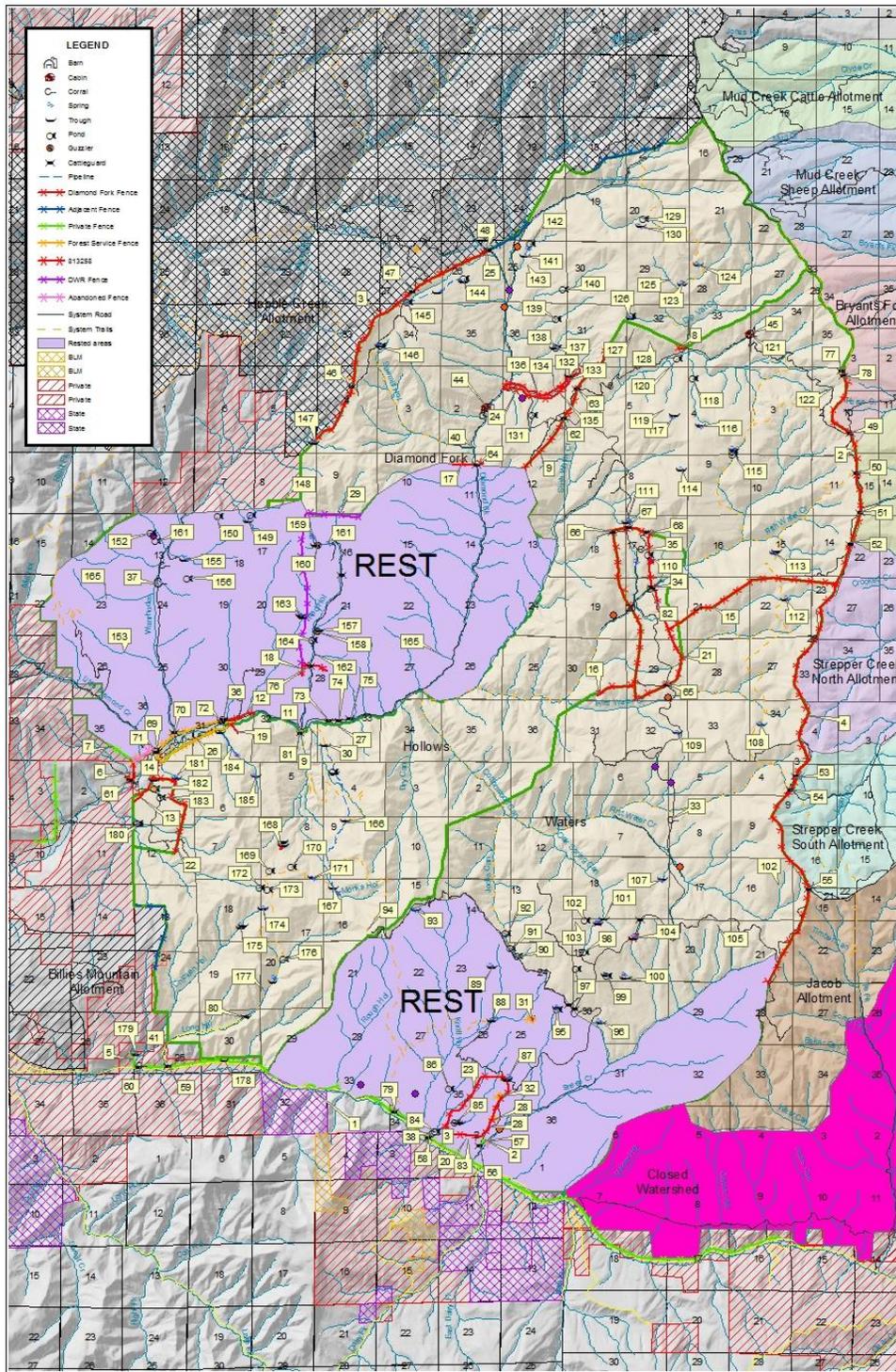
COMPANY PRESIDENT

DATE

SPANISH FORK DISTRICT RANGER

DATE





Utah Ranch-Cattle Inland Farm
Sheep For Range Data



Diamond Fork Allotment - 2016

