

# FY 2015 Boise National Forest North Zone Trails Program Accomplishments

## Eagles Nest Trail Project

District: Cascade

Trail No. 11104

### Background:

The Eagles Nest Trail was inspected on November 13, 2013. The trail was inspected from the boundary of Idaho State Land and Boise National Forest where the 400 road parallels the trail. The Eagles Nest trail is a moderate to high use trail located in a remote area on the Cascade Ranger District

### Purpose and Need:

The project is located approximately 1 mile from a parking area along the 400 road. The trail crosses several small ridges and descends to the first stream and Stream Environment Zone (SEZ). The SEZ area is approximately 15 yards long. The trail then ascends up and over a small hill to the next SEZ. The length of the second SEZ is approximately 53 yards. The trail ascends out of the marshy area and heads northeast. The approaches to both areas are very steep and incised. The grades exceed 25% and there are large quantities of sediment entering the SEZs and the perennial stream that runs across the trail. The wet areas are highly impacted and have significant trail braiding from users trying to find a better route. The total length of the project is approximately 425 yards.

The reconstruction of this section will improve public safety, reduce significant ongoing resource damage, and improve the overall user experience.

**Completed Repair:** The project is currently under construction. The estimated time of completion is mid-October.

- *Realignment and construction of approximately ¼ miles of new trail*
- *Decommissioning and restoration of ¼ miles of existing trail*
- *Construction of two Puncheon/Causeways approximately 70 yards long*

*The following is a list of material currently being installed on the Eagles Nest Trail*

Project Total / Yards	Project Total/ Feet	Stringers	Splice	Splice Bolts	Mud Sill	Mud sill/Stringer bolts	Decking	Decking Bolts	Curb	Curb Blocking	Curb Bolts	Rebar for Sills
Total Length l/yds.	Total Length l/ft.	Total Number of 16'x 4"x8"	Total Number of 8'x4x8	Oly Log Screws: 12"	Total Number of 4'x10"x10"	Oly Log Screws: 12"	Total Number of 4'x3"x12"	Oly Log Screws: 6"	Total Number of 16'x4"x4"	total number of 16'x2"x4"	Oly Log Screws: 15"	3/4"x20"
150	450	84	56	250	50	250	450	1800	56	5	225	28

The project was greatly assisted by Lucky Peak Helitack.



Lucky Peak delivering lumber package



Upper causeway under construction



Upper causeway completed

Lower causeway currently under construction. Estimated time of completion: Mid October

# Thunder Mountain Trail Project

District: Cascade

Trail No. 297004

## Background:

The Thunder Mountain Trail Project is approximately one mile up from the junction of the 440 road. The Thunder Mountain trail is a moderate to high use ATV trail located in a remote area on the Cascade Ranger District. The trail was inspected on October 28, 2014. The trail was impassible due to several washouts located on the first stream crossing up from the 440 road. Construction was started in 2014.

## Purpose and Need:

The project is located in a burn area and on 30 to 40% slope. The current conditions of the trail are very hazardous and are detrimental to the creek's water quality. The trail climbs from the 440 road at an approximate grade of 20+%. There are many springs that cross the trail and two 30 foot corduroys that are failing. The soil consists of mostly decomposed granite with little or no rock available for use in reconstruction. The creek appears to run year round and there is evidence of several high water events in recent history. Additionally, the creek appears to be migrating and continuing to stabilize in its channel. At the creek crossing, the trail is washed out on both sides of the creek with an additional washout on the southeast end. The washouts are approximately 20-33 feet in length and extend all the way to the creek channel. Two of the washouts are about 60- 70 feet in height and all are very unstable due to continuing erosion and flooding. To improve public safety and reduce further resource damage, the following actions were proposed.

A 1.2 mile reroute after the steel bridge crossing. Decommission of 1.3 miles of the old trail to eliminate erosion into Riorden Creek.

**Completed:** Construction of approximately 1.0 miles of new trail with the assistance of Idaho Department of Recreation's Trail Cat Program

- Decommissioning and restoration of 1 mile of existing trail
- Construction of two rock causeways to stabilize boggy sections of the trail. The causeways were five feet wide and approximately 50 yards in length. The Emmett, Boise, Kuna and Canyon ATV clubs assisted in the construction of the trail and the causeways. Additionally the members assisted with the placement of over eight hundred cubic feet of rock for the structures for trail tread and drainage.

The following is a list of material installed on the Thunder Mountain Trail.

Project Total / Yards	Project Total/ Feet	Stringers	Center Blocks	Rebar for Stringers
Total Length l/yds.	Total Length l/ft.	Total Number of 8' 8"x8"	Total Number of 8"x8"x4'	3/4"x20'
50	150	28	19	9

This eliminated one creek crossing and uses the existing infrastructure of the current trail system in the area. Construction of sustainable trail with lower grades and improved drainage will reduce the future maintenance needs and costs of the trail. Additionally, this will improve public safety and reduce resource damage to the area. Due to the very remote location of the trail, the logistics of transporting in equipment and supplies was very complicated. We were greatly assisted by Lucky Peak Helitack and Emmett Rough Riders, Boise, Kuna and Canyon County ATV Clubs and Idaho Department of Recreation.



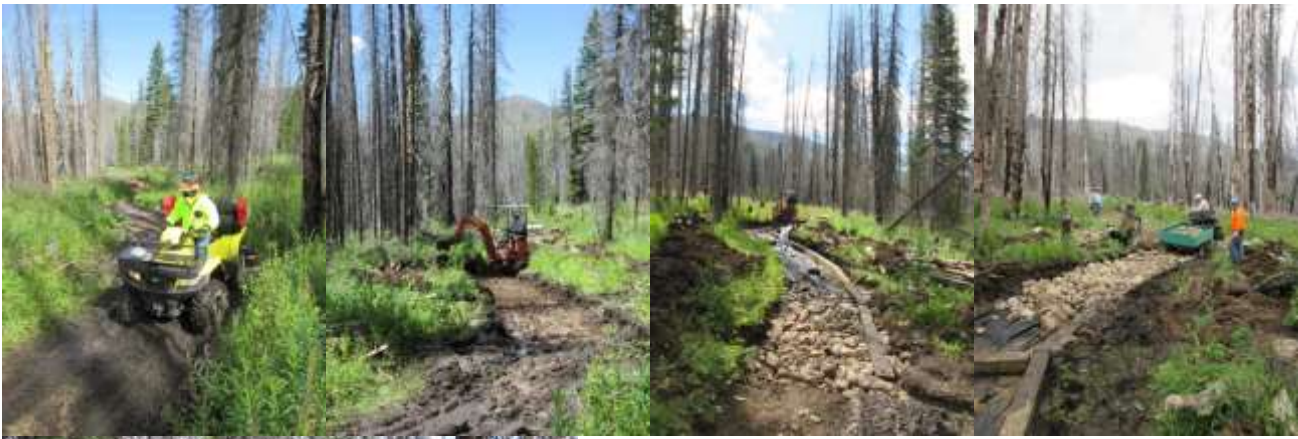
Lucky Peak delivering materials



Upper Causeway Construction



Completed



Lower causeway under construction



Completed.

Some of the volunteer crew

# Bull Creek Bridge Refurbishment

District: Emmett

Trail No.102004

Three bridges on Bull Creek were overhauled due to safety concerns. The thirty foot bridge at the junction of sixteen to one trail had two joists replaced, new decking and curbs installed. Two twenty foot bridges north of the junction had the decking replaced and the approaches were reworked to improve user safety. Additional material was cached to repair two deteriorating corduroys next summer.

We were assisted by greatly assisted by Garden Valley Helitack and the Idaho Department of Recreation Trail Ranger Program.



Garden Valley Helitack

Bridge 1 completed



Bridge 2 completed

Bridge 3 completed

## **Wilson Corrals Reroute**

**District: Emmett**

**Trail No.135004**

The Squaw Butte Backcountry Horsemen completed a half mile reroute on the Wilson Corrals trail to improve public safety and reduce resource damage. The first mile of trail goes through a very boggy meadow then continues up the creek bed for several hundred yards. The creek is habitat for Bull Trout. A suitable reroute for the creek section was surveyed by Boise National Forest North Zone Staff and was constructed by Squaw Butte Backcountry Horsemen. The meadow section is scheduled for repair in 2016.

## **WewukiyeTrail Construction**

**District: Cascade**

Construction of 1.5 miles of new trail was added to this project. One hundred sixty two trees were removed to create the trail corridor. The North Zone Trail Crew was assisted by the Southwest Idaho Mountain Biking Association (SWIMBA and Idaho Trails Association). The remainder of the trail is scheduled for completion in 2016.

## **South Fork of the Salmon River Trail Construction**

**District: Cascade**

The North Zone Trail Crew completed the remaining 1.5 mile section of the South Fork River Trail. We were assisted by the Boy Scouts of America Boise Chapter and the Cascade YCC Crew..



Pre- Construction

Construction

Finished

## 2015 Trail Maintenance:

The following is the list of trail maintenance that was accomplished in 2015. The work was accomplished with the assistance of six volunteer /partnership groups, Idaho Department of Parks & Recreation, Cascade YCC Crew and Lowman Ranger District's Crew 5. Trail mileage included several trails that had to be logged out more than once.

	Total Miles Maintained	No. Trees/Logs	Tread Work /FT	Brushing /Miles	Water Dips Constructed:	Water Dips Cleaned	Drains Constructed	Water Bars/Breaks Constructed	Water Bars/Breaks Maintained	Retaining Wall L/F	Checks	Rip Rap L/F	Stream Ford	Re-Routs L/F	Decommissioning/Restoration L/F
<b>Total:</b>	534.25	1930.00	6231.00	10.56	21.00	15.00	10.00	5.00	325.00	75.00	0.00	0.00	0.00	201.00	2800.00

<b>Additional Projects:</b>	<b>District:</b>	<b>Discription:</b>
Tree Planting	Lowman	Assist Fisheries planting trees around Lowman fishing ponds
Garden Valley Hotshots	Emmett	Killian Sampo assigned to GV Hotshots
Hazard Tree Removal	Lowman	Assist Lowman Rec Dept removing hazard trees in campgrounds
Set up and Removal of Solar Panels	Cascade	Assist facilities in set up and removal of Landmarks solar panels

### 2015 Volunteer Hours

Ref. No.	Volunteer Name:	Project Work:	Project Name:	Dates of Contribution :	No. of Participants	Days:	Hourly Rate:	Hours Worked:	Assets:	Quantity:	Days:	Hours:	Rate Per Day:	Total Cost:	Expenditures:
<b>2015 Maintenance Grant Match:</b>															
1	Squaw Butte Backcountry Horsemen	Trail Maintenance	Wilson Corral	8/22/2015	1	1	\$7.25	4	Horse	1	1	8	\$150.00	\$150.00	0
	Squaw Butte Backcountry Horsemen	Trail Maintenance	Bitter Creek Trail	8/29/2015	1	1	\$7.25	5	Horse	1	1	8	\$150.00	\$150.00	0
	Squaw Butte Backcountry Horsemen	Trail Maintenance	Pine Creek	9/12/2015	4	1	\$7.25	7	Horse	4	1	7	\$150.00	\$600.00	0
	Squaw Butte Backcountry Horsemen	Trail Maintenance	Boiling Springs	10/3/2015	4	1	\$7.25	5	Horse	4	1	5	\$150.00	\$600.00	0
	Squaw Butte Backcountry Horsemen	Trail Maintenance	West Mountain Trail	7/25/2015	7	1	\$7.25	56	Horse	7	1	56	\$150.00	\$1,050.00	0
2	Southwest Idaho Mountain Biking Association	Trail Construction	Wewukiyi System	7/12/2015	7	1	\$7.25	56	Trail Machine/ST250	1	1	8	\$235.00	\$235.00	0
	Southwest Idaho Mountain Biking Association	Trail Construction	Wewukiyi System	7/13/2015	8	1	\$7.25	64	Trail Machine/ST250	1	1	8	\$235.00	\$235.00	0
	Southwest Idaho Mountain Biking Association	Trail Construction	Wewukiyi System	7/14/2015	13	1	\$7.25	104	Trail Machine/ST250	1	1	8	\$235.00	\$235.00	0
	Southwest Idaho Mountain Biking Association	Trail Construction	Wewukiyi System	7/15/2015	8	1	\$7.25	64	Trail Machine/ST250	1	1	8	\$235.00	\$235.00	0
3	Emmett Rough Riders	Trail Maintenance	Emmett System Trails	05/05/2015-05/07/2015	14	3	\$7.25	336	ATV/UTV	14	3	336	\$129.00	\$5,418.00	0
4	Boy Scouts of America	Trail Construction	South Fork Trail	8/2/2015	13	1	\$7.25	104	N/A	0	0	0	\$0.00	\$0.00	0
5	Boise ATV Club	Trail Maintenance	Lowman System Trails	6/26/2015	15	1	\$7.25	90	ATV/UTV	15	1	120	\$129.00	\$1,935.00	0
	Boise ATV Club	Trail Maintenance	Lowman System Trails	6/27/2015	25	1	\$7.25	150	ATV/UTV	25	1	200	\$129.00	\$3,225.00	0
	Boise ATV Club	Trail Maintenance	Lowman System Trails	6/25/2015	7	1	\$7.25	56	ATV/UTV	7	1	56	\$129.00	\$903.00	0
6	Treasure Valley Trail Machine Association	Trail Maintenance	Lowman System Trails	6/26/2015	25	1	\$7.25	200	Motorcycles	25	1	200	\$125.00	\$3,125.00	0
	Treasure Valley Trail Machine Association	Trail Maintenance	Lowman System Trails	6/27/2015	22	1	\$7.25	176	Motorcycles	22	1	176	\$125.00	\$2,750.00	0
	<b>Totals:</b>							<b>Total Hours: 1482</b>						<b>Total Match: \$20,996.00</b>	
								<b>Total Match:</b> \$10,744.50							<b>Total Match Volunteers&amp;Assets: \$31,740.50</b>

Ref. No.	Volunteer Name:	Project Work:	Project Name:	Dates of Contribution :	No. of Participants	Days:	Hourly Rate:	Hours Worked:	Assets:	Quantity:	Days:	Hours:	Rate Per Day:	Total Cost:	Expenditures:
<b>2015 Thunder Mountain/Eagles Nest Grant Match</b>															
	Emmett Rough Riders	Trail Construction	Riorden/Thunder Mtn.	9/4/2015	22	1	\$7.25	176	ATV/UTV	22	1	176	\$129.00	\$2,838.00	0
	Emmett Rough Riders	Trail Construction	Riorden/Thunder Mtn.	9/5/2015	10	1	\$7.25	80	ATV/UTV	10	1	80	\$129.00	\$1,290.00	0
	Emmett Rough Riders	Trail Construction	Riorden/Thunder Mtn.	7/15/2015	6	1	\$7.25	48	ATV/UTV	6	1	48	\$129.00	\$774.00	0
	Emmett Rough Riders	Trail Construction	Riorden/Thunder Mtn.	7/16/2015	11	1	\$7.25	88	ATV/UTV	11	1	88	\$129.00	\$1,419.00	0
	Emmett Rough Riders	Trail Construction	Riorden/Thunder Mtn.	7/17/2015	15	1	\$7.25	120	ATV/UTV	15	1	120	\$129.00	\$1,935.00	0
	<b>Totals:</b>							<b>Total Hours: 512</b>						<b>Total Match: \$8,256.00</b>	
								<b>Total Match:</b> \$1,712.00							<b>Total Match Volunteers&amp;Assets: \$11,968.00</b>





**Happy Trails!**