



# The Front Range Climbing Stewards

## Turkey Rocks Approach Trail Project Report

Oct. 9<sup>th</sup> 2015

### Synopsis:

On Sept. 30<sup>th</sup>, 2015 the FRCS completed the Turkey Rocks Approach Trail project. The objective of this project was to improve the existing approach trail by creating hardened, durable surfaces for the trail tread and mitigating the erosion that takes place because of the trail's alignment. This was accomplished by enhancing the existing trail with stone structures and providing some off-trail log check dams to mitigate rills that return water to the trail alignment.

The stone structures (**Figures 1 & 2**) were composed of steps and retaining structures that were designed/built with erosion mitigation in mind. The log check dams were built in response to the rills that have formed as a result of the trail alignment/structures of the past (**Figure 3**). The quarrying of stone material took place in the surrounding areas and transported via man-power to the worksites. The dead and down timbers that were used for the erosion mitigation, were partially buried and staked down with native timbers of appropriate size.

Please see the following link for additional before and after photos of the worksites (permission will be given when requested): [https://drive.google.com/folderview?id=0B3ajKgY2\\_QQ\\_UGNKb2I5aXdUVEk&usp=sharing](https://drive.google.com/folderview?id=0B3ajKgY2_QQ_UGNKb2I5aXdUVEk&usp=sharing)



Figure 1 (before & after)

Figure 2 (before & after)



**Volunteer Component:**

This work was completed by a primary crew of 3 FRCS trail staff and complimented by volunteers during a collaborative adoptacrag event involving a handful of climbing organizations: the Access Fund, the Pike’s Peak Climbers Alliance and the Rocky Mountain Field Institute. This collaboration was much appreciated as it allowed the 3 FRCS field staff to accomplish more work during the 6 day follow-up work days after the event. There were a total of 11 volunteer days on this project and a total of 61 hours of volunteer labor were utilized. (see appendix A: Turkey Rocks Volunteer Log)

**Metrics:**

The metrics of the project are categorized in the following categories with the corresponding amount and unit of measure.

outcome	amount	unit
Trail Improved	145	L FT
Rock Step	51	#
Retaining Wall/Structure	120	SQ FT
Rubble Wall/Structure	70	SQ FT
Rock Waterbar	7.5	L FT
Aggregate Backfill	51	CU FT
Cut Tree/Log (< 8" diameter)	10	#
Restoration (light w/ native materials)	117	SQFT
Move Rock by Hand	206	#
Remove Stump	3	#
Waterbar, Log Resto	6	L FT

Figure 3 (Erosion Mitigation)



**Appendix A:**

**Turkey Rocks Volunteer Log**

<b>Volunteer Name</b>	<b>Date</b>	<b>hrs.</b>
Ian Dyer	9/19/2015	2
Thomas Tusia	9/19/2015	6
Chris Wickman	9/19/2015	6
Fred McGuinness	9/19/2015	6
Abbey Mojica	9/19/2015	6
Ethan Mojica	9/19/2015	6
Ian Dyer	9/20/2015	6
Hayli Nemeth	9/20/2015	6
Abbey Mojica	9/20/2015	6
Ethan Mojica	9/20/2015	6
Jes Meiris	9/30/2015	5

**Total Vol. days: 11      Total hrs.: 61**