

**2018 Wild Cat Den Phase II Project**  
**FINAL: as of September 6, 2018**

**PROJECT BACKGROUND:**

The Sloan family owns the land we designate as the Wild Cat Den Trail which begins at their lot 301 on Wild Cat Road and runs through a 2,400 acre tract to meet with the BSFNRRRA trail system past Montgomery Road. This trail connects with trails in the Park (Wild Cat Den, Saw Tooth, and Darrow Ridge) to make a popular loop to/from Spruce Creek.

Due to the steep terrain, the section of the trail going down to/up from Hatfield Creek has always been a problem. It had been rerouted several times, required funds and attention multiple times since the SCTA was formed in 2003.

This route had been an "unofficial" trail for many years. On May 1, 2014, SCTA signed a Land License agreement with the Sloans to maintain the trail (approximately 2.5 miles). Wally Linder is the land manager for the Sloans. In 2014, Wally laid out a major reroute of the trail on both sides of the creek. In March of 2015, we spent \$1,785 in heavy equipment work to create the reroute and run offs. The intent was to complete erosion control on both sides of the creek in the coming year (2016).

**Wild Cat Phase I (Spruce Creek/South side of the creek)** In Oct. 2015 and April 2016 several work days and approximately \$800 was spent in improvements for Geo Cloth and rock.

In the fall of 2017 a NEW step down was created replacing rail road ties with 2 hemlock timbers and rock. (approx. \$1,000) In the spring of 2018, very heavy rains washed out this work.

The step down was redone in April of 2018 utilizing 2 more hemlock timbers, plus an additional hemlock timber near the road (\$220), interlocking stepping stones in the creek (\$460) and one load of crusher run. (\$300) = \$980 in expense for 2018.

This brings us to the final phase of this project: .....

**Wild Cat Phase II (North side of the creek)** Although it has been evaluated several times since the reroute of 2015, only minor work has been done on the NORTH side of the creek. Until recently, Wally was not in favor of ATV's or equipment crossing the creek. Bringing equipment, materials and people in from Montgomery Road was prohibitive as it is a 2+ mile trip. In October of 2016, Danny Hatcher had Wayne Conard recut the run off's from Montgomery Road down to the drop off to the creek. Danny donated the equipment and fuel. We paid the manpower cost of \$250. We also placed several "Horses only, no ATV's" signs up by the Park Entrance and Montgomery Road. During 2017/2018, the Sloans and Wally Linder indicated several times that we needed to fix the North Side of the Creek to prevent further erosion. Meetings to review possible fixes were held with Wally and Melissa Wolf, and later with Craig Fletcher and Wally. They settled on a plan to cut new "steps" in the rock ledge going down to the creek from the North Side, plus installation of water run off erosion hemlock timbers above on the approach.

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### **The Work Plan**

Utilizing an Excavator with attachments, chisel out new rock steps from the rock shelf coming into the creek.

Install 4 or 5 water bars (hemlock timbers) to create drainage above the rock ledge. Craig and Daniel Johnson will run the equipment.

It was estimated that this would require 3-4 mandays on the Excavator. If there was machine time left, it could be used on other trails.

Additional manpower needs were estimated to be minimal. A few strong volunteers would be needed to help run the jumpin jack (tamper).

Linder Powell opened a tab at Beauty's for fuel. Tab opened on Sat. July 28<sup>th</sup> and closed on Sat. Aug. 4<sup>th</sup>. Linder took care of closing the tab, reconciling and paying the final bill.

### **The Original Cost REQUEST**

Tri County Rentals:Crossville \*Total price: \$1,612 (for all 3 pieces of gear)

Rental period: weekly

Comes with 50 hours max.on the machine, before additional hours charged

Pick Up Sunday, July 30th ....return Saturday, August 4th

EZ 38 Excavator Comes with a bucket (**24 INCH**) (\$909)

Hammer Attachment (\$475)

Jumpin Jack Tamper (\$70)

Price assumed we pick up and returned..Craig Fletcher did the pick up/return.

\$1,000 refundable deposit. Craig Fletcher held with his credit card

\* Note: 3.2 days rental is the same as the weekly rate

At the August 15, 2018 Board meeting approved **\$2,500 for Wild Cat Phase II**

### **BASED ON ESTIMATE:**

\$800 equipment (excavator for 3 days)

\$140 equipment (hammer for 2 days)

\$100 equipment (tamper)

\$300 1 load Crusher Run

\$300 1 load Rip Rap

\$100 Hilty Anchors

\$200 Fuel

\$560 For the Unknown – potential use other

\$2,500 (assumed using 3 hemlock timbers from pavilion stock)

### **ACTUAL COSTS**

\$1,456 equipment (excavator, hammer attachment)

\$100 Hilty Anchors

\$253 Fuel

\$1,809 TOTAL

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Note: We also approved **\$1,500 for another load of Hemlock Timbers - Craig will pick up week of 7-22-2018**

Have 4 left - may need a few for Wild Cat Phase II above and the rest for Evergreen

If there are extra days/time available with the excavator when Wild Cat Phase II is done, we will work on fixing the 297 side of Evergreen Trail.

We also approved **\$10 for several bags of lime** to use as a trial for soil compaction

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