

Present Condition

The Trails that I plan to work on are located between John Owings Rd., Rinehart Rd., Kowomu Trail, and Littlestown Pike in Carroll County, Maryland. They are in a wooded area accessible from Kowomu Trail, Rinehart Rd., and John Owings Rd. There are no bridges on the Trails, the Trails are dirt, fairly well maintained, approximately 3-5 ft. wide, approximately 20 miles long, are almost completely unmarked, and maps are not readily accessible to the public. There are 5 named parts of the Trail, Spiegle Hill (accessible from Rinehart Rd.), Kowomu Trail (accessible from Kowomu Trail), Meadows Trail (accessible from Rinehart Rd.), Bridle Trail (inaccessible from roads), Switchback Trail (accessible from Kowomu Trail), and Boulevard Trail (accessible from John Owings Rd.) , but there are several unnamed loops also (accessible from Rinehart Rd.). The Equestrian Council, a group in Carroll County that promotes equine related activities which includes the promotion and development of multi-use trails, attempted to devise and put in a system of numbered signs to make sections of the Switchback Trail more understandable .However, their system is very hard to comprehend without maps and are ineffective. Also, there are two stands made of wood that is rotting and plastic at two of the entrances on Kowomu Trail and Rinehart Rd. (see map), but they do not have maps. These Trails need an efficient color coded blazing system along with 4 maps on confusing parts of Boulevard Trail, Switchback Trail and the unnamed loops; and 5 Kiosks with maps for hikers at the entrances on Kowomu Trail, Rinehart Rd., and John Owings Rd.

Method

I will accomplish this by organizing and leading a work force made up of various volunteers in fundraising, acquiring materials, building, and blazing until the project is completed. I propose and the Carroll County Bureau Chief of Parks Brad Rogers would like us to build 5 kiosks with maps on them to help hikers orient the-mselves. They would also contain smaller maps for hikers to take with them. These will be placed at the major entrances on John Owings Rd., Rinehart Rd., Saw Mill Rd. West, and Kowomu Trail (there are two entrances on Rinehart Rd.). I also plan on creating and installing a new and efficient blazing system for the trails as well as posting 5 plastic maps at the more confusing parts of the trail system to keep hikers from getting lost. This system would be color coding the trails and spraying trees with on each trail with the corresponding color for the trail (see map). Each blaze would be 50 ft. apart. I plan on contacting various stores (Lowe's, Home Depot, etc.) to donate materials as well as having Chic-Fil-A or Buffalo Wild Wings fundraisers to raise money for the materials I still need. I then plan on contacting volunteers and leading them on workdays to build the kiosks (see directions), blaze the trails, and install the kiosks.

Materials

To build the kiosks, I will need:

- 14 6x6-10' pressure treated wood beams
- 7 6x6-8' pressure treated wood beams
- 3.5 sheets of $\frac{3}{4}$ inch CDX Fir plywood
- 21 2x4-8' Spruce
- 7 sheets of $\frac{1}{2}$ inch CDX Fir plywood
- 14 brown aluminum drip edges
- 7 bundles of 25yr shingles
- 3.5 gallons of stain
- \$70 worth of nails
- 5 plastic maps
- 6 cans of red spray paint, 4 cans of brown, 3 orange and 4 blue
- Hammers
- Saws
- Measuring tape
- Drills
- Safety goggles
- An auger
- Shovels
- Paintbrushes
- Fasteners
- Tractor
- Sawhorses
- Post hole diggers
- Truck

Project Helpers

I will organize a work force from various non-profit groups to complete the project. I will lead members of BSA Troop 107, The Carroll County Equestrian Council, and the Carroll County Bureau of parks. Volunteers will also include friends and family to complete the project.

Schedule

Beginning in July 2010, the first four weeks of the project will be spent building the kiosks. The last week will consist of putting in the kiosks and blazing the trails. The project should be completed by early August. There will be three, 6 hour (two three hour shifts), workdays per week. Day one will be spent cutting board lengths and organizing the work area for further use. All other workdays until the end of the fourth week will be spent assembling the kiosks. On the last week, the first workday will be spent blazing the trails, while the second and last will be spent installing the kiosks.

Costs

The kiosks should cost around \$1,211.00, the blazing materials should cost \$68.00, and the total cost should be \$1,279.00. All maps to go on the kiosks and on the trail will be donated from the Carroll County Bureau of Parks. Equipment to build everything will be borrowed from the county and from my helpers. I plan to have all of my materials donated from places such as Lowe's and Home Depot as well as from family friends.

Hazards

Throughout the project, there will be hazards, and I want to make it as safe as possible.

Hazard	Safety precautions
Power Machinery and Tools	Only trained adults will use the power machinery and tools. Goggles must be worn.
Paint fumes	All painting will be done in well ventilated areas.
Saws	Axe/Saw yards will be put in place, gloves and boots must be worn.
Ticks	Insect repellent/ long pants and boots
Poison ivy	Long pants
Blisters	First Aid Kit, gloves
Sun and heat	Sunscreen, will use shade whenever possible
Lifting	Use two capable people to lift any large

	object at all times.
Dehydration	Water bottles are required and water will be supplied.
Dust	Wear dust masks whenever in dusty areas
etc	*Caution will be observed at all times.