

2015 Achievement Awards Virginia Association of Counties

APPLICATION FORM

All applications must include the following information. Separate applications must be submitted for each eligible program. **Deadline: June 1, 2015.** Please include this application form with electronic entry.


PROGRAM INFORMATION

Locality: Fluvanna County
Program Title: Pleasant Grove Park Meadow Management Plan
Program Category: Environmental

CONTACT INFORMATION

Name: Jason Smith
Title: Director
Department: Parks and Recreation
Complete Mailing Address: 271 Pleasant Grove Drive, PO Box 70, Palmyra, VA 22963
Telephone # 434-589-2016 Fax # 434-589-1875
E-mail: jsmith@fluvannacounty.org

SIGNATURE OF COUNTY ADMINISTRATOR OR CHIEF ADMINISTRATIVE OFFICER

Name: Steve Nichols
Title: County Administrator
Signature: 



Fluvanna County's Meadow Management Plan ***Back to Nature; Pleasant Grove Park***

(Approximately 70 acres has been designated as a renaturalization area.)

Fluvanna County's Department of Parks and Recreation collaborated with the county's Public Works Department to layout and establish approximately 70 acres of park space as a renaturalization area at Pleasant Grove Park. This space was previously utilized as mowed open space/fields that had never been used for any activity or needed for any other events taking place at the park. These areas were also not part of the parks Master Plan in establishing any other amenities, e.g. facilities, ball fields, etc. Essentially, we stopped all mowing in these areas, which allowed them to grow naturally in order for the natural re-establishment of meadows, trees, tree food plots, and wildflowers to generate.

After reviewing our staff teams order of priorities and resources related to grounds maintenance, we noticed we had been focused on "doing what we've always done" in too many areas. We were spending outrageous amounts of time and money on areas that could be utilized to "show off" and highlight the parks natural resources so we decided to go "back to nature" rather than continue to mow unused field space and utilize staff resources in other needed areas.

In January 2014, we began to allow nature to take its course with planned trails and hedgerows to then be placed in and along these meadows for additional programming purposes, increased park recreational traffic, and the opportunity to maximize staff time in other needed areas. In preparation of going "back to nature," we partnered with the following groups for assistance in grants, education, and their expertise in each respective field to create and establish a long term partnership and short term layout for our Meadow Management Plan: Thomas Jefferson Soil and Water Conservation District (TJSWCD), Virginia Native Plant Society (VNPS), Virginia Bluebird Society (VBS), Virginia Department of Forestry (VDOF), Virginia Department of Game and Inland Fisheries (VDGIF), Virginia Cooperative Extension (VCE), United States Department of Agriculture (USDA), Natural Resources Conservation Service

(NCRS), Chesapeake Wildlife Association (CWA), as well as our local Virginia Master Naturalist and Master Gardener clubs.

We had no budget for this program and relied on each organization to assist in grant education as well as securement, Interpretive signage, brochures, and workshop critique, review and implementation, volunteer recruitment for assistance with wildflower and tree plantings, as well as any other connections each had regarding citizen science through increasing community engagement and nature education at the park. Parks and Recreation staff works with our local Virginia Master Naturalist club to offer nature programs related to guided hikes, host nature education workshops and help staff booths at local events to advertise and market nature programming and wildlife viewing at the park.

The following is a list of finances related to this program:

- **Grants**
 - TJSWCD – Quail Meadow Hedgerow Tree Seedlings and Planting - \$2300
 - DOF – Cottontail Field/ Grouse Grassland/Kids and Family Nature Hike Trail Field Tree Seedlings and Protection - \$3600
 - Dominion Virginia Power (Interpretation Stations/Kiosks) - \$5,000
 - **TOTAL = \$10,900**
- **Donations (Supplies, materials and volunteer hours)**
 - Jefferson Chapter Virginia Native Plant Society – 60 black raspberry plants (\$250)
 - DGIF – Pollinator Garden Plants (\$1300)
 - DGIF – Hedgerow Wildflower Seeds (\$750)
 - *DOF – Hedgerow Ripping/Disking (15 Hours of Volunteer time and equipment used = 1 volunteer at \$24.49 is \$367.35 of hours worked)
 - VBS (Virginia Bluebird Society) – Bluebird Nesting Boxes (\$500)
 - *Fluvanna Volunteer Citizens: Virginia Master Naturalists (Fluvanna, Albermarle, and Nelson County's) and Fluvanna Gardeners planting wildflowers, bird house kits, tree kits (1100 trees, tree tube kits, 60 black raspberry plants and wildflowers, e.g. 30,000 seeds of purple coneflower, Virginia meadow beauty, New York aster, shrubby St. Johnswort, cardinal flower, common milkweed, seedbox, rose mallow, and many other species planted = Approximately 431 hours/\$10,555.19 of work.
 - **TOTAL = \$14,222.54**

**Virginia Volunteer Hourly Rate = \$24.49*

Note: County Parks staff managed and directed all volunteer services provided.

Meadow Management Overview

Renaturalization Areas - Open areas designated for natural re-establishment of meadows and trees—

Designated trails are periodically mowed/maintained, but otherwise open space is not mowed.

- A large property managed for wildlife richness will provide a variety of habitats
 - Timber and Grass Management Plans provide for a succession of forest stages
 - Some grassy areas will be on a five year mowing/ burning (w/ DOF assistance) plan
 - Timber harvesting and forest regeneration will be planned to allow for succession
- Wildlife habitats will be designed and managed for enhancing availability of food and cover
 - Timber and Grass Management Plans include steps for improving food and cover
 - Leave dead trees standing for woodpecker nesting
 - Plant native grasses in any disturbed areas such as logging roads, burned areas
- Trails constructed to increase wildlife viewing opportunities
 - Frequent bends and curves to “surprise” wildlife
 - Path through various habitats to enhance the wildlife viewing variety
- Wildlife education trails, interpretive guides, programs, and exhibits (Ongoing progress)
- Increased Parks and Recreation Program Capability
 - Additional New Program Offerings to Community and tourists (Guided hikes,
 - Improved Existing Program Offerings

Meadow Management Primary Goals

- Manage the Pleasant Grove Park Property to Allow Continued Implementation of the PG Master Plan
- Maximize Utility and Usability of Designated Activity Areas
- Preserve & Develop Wildlife Habitats While Maintaining a Safe & Healthy Environment for all who visit or work on the Property
- Manage the Mowing and Grounds Maintenance Workload to Achieve the Greatest “Bang for Our Bucks” from existing personnel

Pro’s of Renaturalization vs. Mowing

- Supported by Fluvanna County Parks and Recreation and Public Works Departments, Thomas Jefferson Soil and Water Conservation District (TJSWCD), Virginia Native Plant Society (VNPS), Virginia Bluebird Society (VBS), Virginia Department of Forestry (VDof), Virginia Department of Game and Inland Fisheries (VDGIF), Virginia Cooperative Extension (VCE), United States Department of Agriculture (USDA), Natural Resources Conservation Service (NCRS), Virginia Master Naturalists, and Virginia Master Gardeners
- Minimizes county staff time related to mowing unused field space and allows more energy to be focused on other priorities
- Establishes Planned Youth and Family Wildlife Trails

- Connects Girl Scout Tree ID trail with meadows
- Increases Park Program Offerings for Natural Resource Recreation
- Adds Asset with Marketing Value as another tool for Fluvanna County to offer visitors
- Adds Educational Opportunities related to wildlife and natural resource education

Collaborations and Partnerships – Connecting our Community

- **State and Federal Partnerships**
 - DGIF, USDA, DOF, USDA, VCE, NCRS
- **Local Partnerships**
 - Rivanna Chapter, Virginia Master Naturalists (RMN)
 - Jr. Naturalists (4-H)
 - Fluvanna Unit, Virginia Cooperative Extension
 - Fluvanna Chapter, Virginia Master Gardeners
 - Fluvanna Schools
 - Community Garden Steering Team
 - Fluvanna Girl Scout Troops
 - Various Citizen Volunteers
- **Grants**
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- **State & Federal Partnerships – Expertise and Assistance**
 - DGIF, USDA-NRCS, DOF, VCE, VT, VBS
- **New Program Capacity**
 - Additional New Program Offerings to Community
 - Improved Existing Program Offerings
 - Fluvanna County 1st Grade - “Standards of Learning” or what they are held accountable, by the states, that their students are expected to achieve. “The understanding of the preservation of land to use as parks and value of parks to wildlife and people are basic criteria that all Virginia first grade students are required to master.”



Fluvanna County's Meadow Management Plan *Back to Nature; Pleasant Grove Park*

Fluvanna's Pleasant Grove Park serves many purposes, one of which is to provide park visitors with access to nature.

The Rivanna River and the adjacent forests and fields abound with wildlife, both plants and animals. The many habitats at Pleasant Grove are managed for wildlife richness and the park's many trails provide abundant opportunities to view this wildlife in its natural setting.

Some Wild Plants and Flowers at Pleasant Grove: (Please note that many plants and flowers are seasonal, so to experience these fully you should schedule multiple visits.)

- Black-eyed Susan
- Yarrow
- St John's Wart
- Common Milkweed
- Native Grass (switch grass, little and big bluestem, Indiangrass, etc.)
(Regeneration in progress)
- Christmas Fern
- May Apple
- Skunk Cabbage
- Daisy Fleabane
- Bulbous Buttercup
- Common Sneezeweed
- Tickseed
- American Beautyberry
- Small Bluet
- Chicory
- Wild Comfrey
- Johnny Jump-up
- Plantain
- Jimson Weed
- Wild Garlic
- Spring Beauty
- Ragweed
- Sumac

We wish you a wonderful day at Pleasant Grove Park.



2nd Annual



Earth Day Celebration

FREE

Saturday, April 25th

10am to 2pm

Pleasant Grove Park

Fluvanna County is hosting a **FREE** Earth Day event to all county residents. Enjoy state expert, Carol Heiser of Department of Game and Inland Fisheries, speaking on backyard wildlife habits and pollinator gardening. She will also do a planting demonstration in Pleasant Grove's new pollinator garden. Also dozens of environmental exhibitors, food, hands on activities for all ages, rain barrel project demonstrations, 5K mud run (registration at 8:30 race starts at 9), guided nature hikes by Master Naturalist Walter Hussey of Meadow Management Project, and so much more!

***FREE** Prescription drug disposal and Hazardous waste drop-off for county residents only (households, not businesses) will include paints, pesticides, solvents, cleaners, etc. waste tire drop-off (w/out rims) from cars, trucks,

Hosted by: Fluvanna Parks & Recreation, Public Works and Sheriff's Departments, along with the VA Cooperative Extension / Master Gardeners & Master Naturalists and FCHS SGA.

Pleasant Grove Park

1730 Thomas Jefferson Parkway

Contact Jonathan with questions at

(434) 842-3150 or jonathanpace@fluvannacounty.org

Fluvanna County Youth Trail Decision Paper

Fluvanna County youth, from birth to 12th grade, will grow up with an increased appreciation for their natural environment through knowledge gained as part of their Fluvanna County Pleasant Grove Park Youth Trail experiences.

Pleasant Grove Park is situated in Central Virginia's Piedmont in the middle of the Rivanna and James Rivers and the Chesapeake Bay watersheds. The Park's 800-plus acres along the Rivanna are an excellent basis for education, stewardship and citizen science activities focused on nature and our Fluvanna County natural resources.

Fluvanna County Parks and Recreation (FCPR) will develop and promote the Youth Trail and associated youth activities. Fluvanna County Public Works (FCPW) will maintain the Trail and other infrastructure associated with the Youth Trail Program. The Rivanna Chapter of the Virginia Master Naturalists (RMN) will provide natural environment subject matter expertise including coordination with its Virginia state sponsoring agencies such as the Department of Forestry (DOF), Department of Game and Inland Fisheries (DGIF), etc.

Background: In 1994 Fluvanna County purchased Pleasant Grove and has since developed a Park with sports fields, hiking/ biking trails, and a history museum on the Park property. The Park has also been used for special events such as the County Fair. Activities for youth have been centered on the sports fields and a small playground nearby and at certain special events. The Park's 800-plus acres provide an array of natural wildlife habitats rich in a diverse population of native plants and animals. At present there is no formal program for either youth or families to experience nature at the Park.

Discussion: There is an opportunity at Pleasant Grove for more youth, family, and nature activities. At the same time there is increased interest by the Rivanna Chapter of the Virginia Master Naturalists (RMN), whose area includes Fluvanna, to conduct more natural resource volunteer activities for the benefit of the County's citizens. RMN recently approved three new projects for their over 150 volunteers to spend more of their required 40 hours per year in Fluvanna County performing Stewardship, Education, and Citizen Science activities in our natural environment. Meanwhile, nationally there is considerable interest in providing opportunities for youth to be outdoors, in part, as a way to offset the increased obesity rate as well as the prevalence of electronic activities that do not provide sufficient exercise for our youth. Fluvanna is not immune to these national trends. Furthermore, Fluvanna's private natural areas are increasing becoming affected by the County's movement toward an exurban environment thereby reducing the opportunity for our future generations to experience the County's natural resources.

A youth trail would provide activities for the entire family and would include an explanatory kiosk, interpretive trail guides, games to play on the trail, and adventure sites along the trail. Ultimately a Discovery Room will be developed at a Park site, or possibly at the Library, which will provide hands-on experiences for our youth.

Initial funding for building a youth trail would be provided through a fundraising effort primarily targeting the health care community. Traditionally doctors and doctors' associations, particularly those associated with youth and family health such as pediatricians, are champions of exercise for youth and their families. Also insurance companies stand to gain from a healthy insured base and so also support family outdoor exercise activities. Finally, there are two major hospitals covering the area, one just having built a new hospital and campus on the Fluvanna side of Charlottesville and the other continuing to expand their presence in the Spring Creek/ Zions Crossroads area adjacent to Fluvanna County.

For some expenses, time and material donations might be more appropriate. For example, for graphic design and signage there is a graphic design firm in the Troy industrial area just outside the Fluvanna County line that does considerable business with our citizens. Another example of a source for lumber/ building materials to use in making signs or the kiosk, there is a building supply firm in the Fluvanna Industrial Park and several lumber sources in the Troy industrial area as well as south near Dillwyn.

In addition, grants may be available for Counties to develop projects such as the youth trail. These opportunities will be explored as well.

After initial build out and set up, the resources, including funding and staff, to keep the trail maintained will be included in the FCPR and FCPW annual budgets as appropriate to their respective County responsibilities and consistent with annual County budget guidance. Volunteer activities such as in the areas of guided nature hikes, additional interpretive guides, and continuing education activities, are expected to persist beyond the initial build out phase.

FCPR has a volunteer trail building team who are familiar with the existing trails as well as construction of any new trails at Pleasant Grove Park. This team can be augmented by additional volunteers if it is decided to construct a new trail or if an existing trail needs modification, including trail markings, to be suitable for the youth activities. This team, in consultation with FCPW, will recommend to FCPR which trail is to be designated as a youth trail. This includes whether to build a new trail or to use a portion of an existing trail as the youth trail. Some general considerations for a youth trail include:

- length and difficulty appropriate to youth,
- safety of youth,
- loop so as to return users to the starting point,
- learning opportunities along the trail, and
- proximity to parking and the Discovery Room.

Trail interpretive guides, including a signage kiosk with brochure holders at the trailhead, will provide the opportunity for a natural resource learning experience for the entire family. The Rivanna chapter of the Virginia Master Naturalists has the expertise both in-house and through their six Virginia state sponsor agencies to assist in the development of these brochures and signage. Potential youth trail interpretive guide topics include trees, birds, wildflowers, native and invasive plants, wildlife habitats, scavenger hunt, and adventures.

These guides will be available both in hard copy at the trailhead and online at the FCPR Pleasant Grove Park site. Publicity in local media outlets and a grand opening ceremony will help get the word out to Fluvanna County citizens about this new opportunity. Future activities on the youth trail will be planned and also publicized.

It is desirable to have an indoor Discovery Room with age appropriate youth activities. Books on nature for all age groups will be on hand for reading in the Room. In addition, hands-on artifacts from the natural world will be presented for the youth to further experience nature using more of their senses such as touching animal fur, etc. Displays of nature will be posted around the room showing the natural resources that can be found in the Pleasant Grove Park. Activities and games will also be included the Discovery Room so as to further instruct youth on the natural world.

Decision: A trail will be designated at Pleasant Grove Park as a Youth Trail. Natural resource related activities for youth, and their families, will be planned using this Trail and other facilities in the Park.

Required Actions:

Coordinate Fundraising, Grants, and RMN Interface

Designate and Mark Trail and Coordinate Trail Building Volunteers

Develop Guides and Adventures

Locate a Discovery Room

Develop a Kiosk with Signage and Brochure Holders

Coordinate Publicity and Special Activities

Install a Kiosk

Conduct Periodic Youth Nature Activities such as Hikes

Detailed Planning and Progressing with Overall Project Coordination

☐ Approved

☐ Disapproved

Jason Smith, Director, Fluvanna County Parks and Recreation

Date

REGISTRATION FORM

NAME _____

ADDRESS _____

E-MAIL _____

DAY or CELL PHONE _____

Are you a VNPS Member? ☐ Yes ☐ No

If Yes, please give name of your VNPS Chapter: _____

Are you an **ACTIVE** Master Naturalist/Master Gardener? ☐ Yes ☐ No

If Yes, please give name of your Chapter: _____

and also indicate what YEAR you completed your basic training: _____

[NOTE: Only **ACTIVE** Master Naturalists/Gardeners may participate. An **ACTIVE** member is one who is currently in, or has completed the basic training course, is current with membership dues, and regularly submits reports of volunteer hours.]

Briefly summarize your *background* in natural resources or conservation education, including any special projects you've already worked on as a volunteer (please attach separate sheet as needed):

Lunch will be provided. Please indicate here if you have any special dietary needs, and we will try to accommodate your request:

I understand that in exchange for this training, I agree to participate in the planting project at Pleasant Grove Park on Saturday, April 25 and will also assist Fluvanna County Parks and Recreation in the future (at least once a year) by leading or assisting with public education programs about pollinators and pollinator habitat at the Park.

SIGNATURE: _____

****SEND FORM TO Carol.Heiser@dgif.virginia.gov, or FAX 804-367-6179.****

REGISTER BY 5:00 p.m. Thursday APRIL 9, 2015.



CONTINUING EDUCATION for MASTER NATURALISTS & MASTER GARDENERS



Habitat Training for Pollinator Garden Project Pleasant Grove Park, Fluvanna County

9:00 a.m. – 3:30 p.m.

Thursday April 16, 2015

**Workshop will be held in Room B of the
Fluvanna County Public Library Palmyra, VA**

*This workshop is for Master Naturalists, Master Gardeners and others who plan to volunteer on the **Pollinator Garden project** at Pleasant Grove Park, to be installed on April 25, 2015. The training provides background information about pollinators and other wildlife species that rely on meadow habitats, as well as planning for a successful planting project.*



YOUR ROLE:

Upon completion of the training, your role will be to participate in the planting project on April 25 and to assist Fluvanna County Parks and Recreation in the future (at least once a year) by leading or assisting with public education programs about pollinators and pollinator habitat at the Park.

GUEST INSTRUCTOR:

Lorien Huemoeller, Private Lands Wildlife Biologist

Conservation Management Institute-Virginia Tech
USDA-Natural Resources Conservation Service
VA Department of Game and Inland Fisheries

The VA Department of Game and Inland Fisheries (DGIF), the Conservation Management Institute at Virginia Tech, and the Natural Resources Conservation Service (NRCS) have established a joint cooperative agreement to implement the **Virginia Quail Recovery Initiative** in several priority areas throughout the Commonwealth. Lorien is one of 5 Private Lands Wildlife Biologists who works with landowners through this Initiative to restore early successional habitats that support bobwhite quail and other wildlife species, including pollinators.

Lorien has a Bachelor's of Wildlife Science degree and a Master's of Natural Resources degree from Virginia Tech. Her office is based in Halifax, VA.



AGENDA TOPICS:

- **Habitat Overview** – Carol Heiser
- **Early Successional Habitat** – Lorien Huemoeller
- **Pollinators and Pollinator Gardening** – Carol Heiser
- **Outdoor Activity: Evaluating Habitat Features on a Site** – Carol Heiser
- **Group Planning of the Pleasant Grove Project**—Carol Heiser

THE NEED and OUR GOAL:

Many homeowners, landowners and other citizens are not aware of the importance of early successional habitat for wildlife. Pollinator gardens and native grass and wildflower meadows support a wide variety of beneficial insects, predators, birds and mammals, but diverse habitats are typically missing from our landscapes. There's a great need to educate suburban homeowners and rural landowners about planting good habitat that supports pollinators, quail and other wildlife species.

Our goal is to build capacity for public education outreach by training Master Naturalists, Master Gardeners and other volunteers who agree to work specifically with Pleasant Grove Park visitors in Fluvanna County. The proposed Pollinator Garden at Pleasant Grove will be a model habitat demonstration project that provides numerous opportunities for future education programs and events.

Materials for this workshop are provided by the Habitat Partners© program of the Virginia Department of Game and Inland Fisheries. **There is NO FEE to attend the workshop, but we ask that in exchange for the training, you agree to assist with the April 25 Pollinator Garden planting project at Pleasant Grove Park and subsequently provide assistance (at least once a year) to Fluvanna County Parks and Recreation with pollinator education programs at the Park.**

Workshop participants will receive a Certificate of Completion and a folder of numerous publications, such as a Virginia Bee I.D. Guide; Butterfly I.D. Guide; Pollinator Plant List; Attracting Pollinators to Your Garden booklet; quail habitat information and other fact sheets and resources.

***You must attend the FULL DAY in order to receive the materials.**

***Morning refreshments and LUNCH WILL BE PROVIDED.**

Instruction includes an outdoor component, and workshop will be held RAIN OR SHINE. Please plan to come prepared for the weather.

QUESTIONS? Contact Carol A. Heiser, DGIF Education Section Manager, Habitat Education Coordinator: PHONE 804-367-6989 or E-MAIL Carol.Heiser@dgif.virginia.gov

FLAGG/NE KEY

Pleasant Grove Park

□ 3 | Square = 3'



Kids already
Planted this on
Wed. 4/22

**FOUR
FLAGS**

	Tall	est Plants - ORANGE
	Tall to Med. Tall -	WHITE
	Medium -	GREEN
	Short -	YELLOW

On Earth Day, April 22, Fluvanna County's First Grade classes will visit Pleasant Grove Park for a "Nature Adventure." Not only will they learn first-hand about nature, but keeping with the Earth Day premise of action, they will:

1. create a Pollinator Garden by planting the first of 400 native plants to be in the garden,
2. sow wildflower seeds, including native milkweed harvested at Pleasant Grove prior to mowing last Fall, in the hedgerows,
3. plant native trees along the hedgerows as anchors for other native species,
4. slow erosion by adding rocks, turned over in the hedgerow planting preparation, to fill an erosion gully,
5. analyze tree growth as an aid to forest management, and
6. construct native bee nesting boxes to help replace the loss of natural habitat.

Come visit them at Pleasant Grove on April 22 from 9 AM to 1 PM to see for yourself the excitement and education of our youth as they experience their "Nature Adventure".

"Nature Adventure"

First Grade @ Pleasant Grove on April 22, 2015 from 9:00 to 2:00

Theme: We will educate and excite the Fluvanna First Graders about nature.

1. Overall Schedule:
 - a. Event from 9AM-2PM. All volunteers arrive at 8:30 AM and set up at assigned station and then go to pole barn to pick up first group and lead to station
 - b. Buses arrive 8:45AM Pole Barn. Park facing electrical outlets for vendors
 - c. Students leave at 8:50AM for assigned station following station volunteer
 - d. Six teams of students (2 classes each) preassigned
 - e. Six nature stations for students to visit in rotation during day
 - f. Four stations in AM – 20 minutes each with 10 minutes travel time
 - g. Lunch 11AM – 12PM at Pole Barn. Volunteers bring their own lunch

- h. Two stations in PM from 12PM – 1PM followed by Student free time 1PM -2PM
 - i. Rotation of teams is counterclockwise from pole barn (see teacher/ class assignment chart and station map)
- 2. Overall coordination
 - a. Volunteers – **Walter Hussey**
 - b. School – **Cindy Garret**
 - c. Grounds and Facilities at Pleasant Grove – **Will Shaw**
 - d. Parks and Rec at Pleasant Grove – **Claire Lowande/ Jason Smith**
- 3. Applicable to all groups
 - a. Garbage bags will be provided to each team who will select one parent/ teacher to hold
 - b. Cowbell will signal to change stations. Also one timekeeper will be assigned by teacher for each group (in case your group can't hear cowbell)
 - c. Volunteers wear a name tag from their organization
 - d. Focus on student learning activities vice lecture. Emphasize hands-on learning activities versus lecturing to help keep the children engaged!
- 4. Activities:
 - a. Station 1 – Nature Hike from Pole Barn (**Ida Swenson, + 2 others TBD**)
 - i. Starts and ends at Pole Barn
 - ii. Uses Heritage Trail toward Rivanna and takes second right, at bench, to old white oak tree
 - iii. Students will find laminated pictures of wildlife, previously placed along trail along with feathers and a bone
 - iv. Students will hold hands trying to circle old oak tree for photo op
 - v. Returns via Heritage Trail to Pole barn
 - vi. Students have scavenger hunt sheets for Station 1 and give to teacher to hand out again at Station 5. Both picture and checklist sheets will be given to each student, i.e. 2 sheets.
 - b. Station 2 – Community/ Pollinator Garden (**Joanna Knoll, at least 2 others to be determined at April 16 Workshop**)
 - i. Each group plants at least 4 plants in pre-dug holes and mulch, water
 - ii. Students understand parts of a plant – roots, stem, leaves, flowers
 - iii. Students walk around Community Garden
 - iv. Students see a bee box, understand pollinators/ pollination and see example bee box
 - v. Students build 2 bee boxes by inserting precut bamboo sticks into houses
 - c. Station 3 - Tree Stumps (**Will Shaw, Marie Hussey, + 1 other TBD**)
 - i. Count tree rings – Teachers will have given students small notepads in which to draw/ write their observations.
 - 1. Find ring for year you were born?
 - 2. Find ring for year your parents were born?
 - 3. Find ring for year your teacher was born?
 - 4. Tree with largest number of rings?

- ii. Not all plants are friendly - Poison Ivy identification
 - iii. Deciduous vs evergreen
 - iv. If there is any leftover time after the activities planned in Station 3, I imagine this might be a good time for students to get out their note pads and find a quiet spot to record their observations, thoughts and ideas so far.
 - d. Station 4 – Hedgerow Tree Planting and Wildflower Seed Sowing (**Overton McGehee, Frances Lee-Vandell, +1 other TBD**)
 - i. At Cottontail Field (near equestrian trailer parking) at bench under oak tree
 - ii. Four trees per group will be planted using prepared holes
 - iii. Tubes will be installed with Class name written by teacher on oak stake with sharpie
 - iv. Wildflower seeds will be sown in hedgerow with students using cups, getting seed mixture from bucket and scattering on hedgerow
 - e. Station 5 – Nature Hike Quail Meadow Trail (**Austin Jamison, +2 others TBD**)
 - i. Starts at turnabout
 - ii. Each student picks up rock in plowed hedgerow area
 - iii. Walks wide trail
 - iv. Point out nature along way – native grasses, birds, tracks, etc.
 - v. At gully throw rock into eroded area to left – talk about erosion
 - vi. After gully, students are pointed to Wildlife Food Plot
 - vii. Deer skeleton on way
 - viii. Regroup on trail to top of hill then right to large field
 - ix. Right again at large field taking wide path along hedgerow
 - f. Station 6 – Bluebird Nesting Box (**Ann Dunn, Pat Burkett, + 1 other TBD**)
 - i. Show and explain box internals, snake guard, etc.
 - ii. Have students make a bird nest using materials in the field working in small groups.
 - iii. Give teachers enough brochures for them to give one to each student to take home
5. Prework:
- a. Ensure path, including gully along wide trail from turnabout to big Quail Meadow and trail crossing hedgerow to parking field, is passable by wheelchair students (**Will Shaw**)
6. Supplies/ Prework
- a. General
 - i. Trash bags (**Walter**)
 - ii. Cooler of H2O (**Walter**)
 - iii. Laminated numbers 1-6 for station signs (**Jonathan**)
 - iv. Staple signs to stakes (**Jonathan**)
 - v. Cowbell (**Walter**)
 - vi. Volunteer nametags (**Jason, Cindy, volunteers**)
 - vii. Sharpie (**each teacher**)
 - b. Station 1

12:10 – 12:30	5	6	1	2	3	4
12:40 – 1:00	6	1	2	3	4	5

Group A – Ms. Reilly, Ms. Puffenbarger,

Group B – Ms. Gohean, Ms. Nuckols

Group C – Ms. Strick, Ms. Covert

Group D – Ms. Lascano, Ms. Haislip

Group E – Ms. Botto, Ms. Garrett

Group F - Ms. Cooper, Ms. Carpenter

DRAFT

A flower that grows



underground

3 sources of

food for



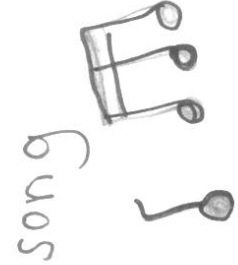
wild life

a

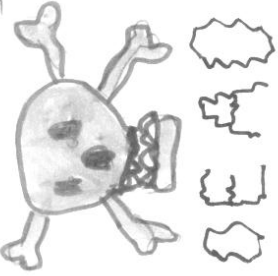
domestic animal



A bird



something



3 types of

habitat



A raindrop's

path to the



Rivanna River

the State tree



of Virginia

a plant

with



3 jagged leaves

a sign of

humans



Nature Scavenger Hunt Checklist

Put an “x” beside each of the items that you find. Do not collect the items; leave them for the next group. Add any interesting items to the blank spaces on the bottom of your list. Remember to be respectful of any living organisms you encounter (plants or animal)!

ITEM FOUND

wild flower	
insect	
feather	
piece of moss	
interesting rock	
bud on a tree	
3 (or 4) leaf clover	
pine needle	
leaf	
long piece of grass	
piece of litter (to teacher)	



Figure 2: A park field full of Black-eyed Susan.

References and Additional Resources:

1. FCPR's Pleasant Grove Park -Trail Map-
2. <http://virginiawildflowers.org/>
3. Virginia Native Plant Society, <http://vnps.org/>
4. Wildflowers of the United States – Virginia, <http://uswildflowers.com/stateref.php?State=VA>
5. USDA Plants Database, <http://plants.usda.gov/java/>
6. Fluvanna County Parks and Recreation, <http://www.fluvannacounty.org/services/parks-and-recreation/>
7. Rivanna chapter, Virginia Master Naturalists, <http://www.vmn-rivanna.org/>

Fluvanna Parks and Recreation

Our mission is to promote opportunities for all residents and visitors to enjoy leisure activities in balance with the protection and conservation of Fluvanna County's natural resources.

Some Wild Plants and Flowers at Pleasant Grove^{2,3,4,5}: (Please note that many plants and flowers are seasonal, so to experience these fully you should schedule multiple visits.)

- Black-eyed Susan
- Yarrow
- St John's Wart
- Common Milkweed
- Native Grass (switch grass, little and big bluestem, Indiangrass, etc.)
(*Regeneration in progress*)
- Christmas Fern
- May Apple
- Skunk Cabbage
- Daisy Fleabane
- Bulbous Buttercup
- Common Sneezeweed
- Tickseed
- American Beautyberry
- Small Bluet
- Chicory
- Wild Comfrey
- Johnny Jump-up
- Plantain
- Jimson Weed
- Wild Garlic
- Spring Beauty
- Ragweed
- Sumac

Fluvanna Parks and Recreation
271 Pleasant Grove Drive
P.O. Box 70
Palmyra, VA 22963
Phone: 434.589.2016
<http://www.fluvannacounty.org/services/parks-and-recreation>

Fluvanna County's Pleasant Grove Park: *A Natural Experience*

Fluvanna's Pleasant Grove Park serves many purposes, one of which is to provide park visitors with access to nature.

The Rivanna River and the adjacent forests and fields abound with wildlife, both plants and animals. The many habitats at Pleasant Grove are managed for wildlife richness and the park's many trails provide abundant opportunities to view this wildlife in its natural setting.

Please use this brochure as your guide to help enhance your enjoyment of nature while in our park.

We wish you a wonderful day at Pleasant Grove Park.



Types of Habitat and Associated Wildlife:

- Untended Grassy Field
(*Regeneration in Progress*)
 - Cottontails
 - Voles
 - Field Mice
 - Hawks
 - Turkey Vultures
 - Foxes
 - Quail (future)
 - Song Birds (sparrows, indigo buntings, etc.)
- Shrubs and Small Trees
 - Song Birds (catbirds, towhees, etc.)
 - Quail (future)
 - Deer
- Pine/ Transition Forest
 - Deer
 - Turkeys
- Mature Hardwood Forest
 - Squirrels
 - Deer
 - Turkeys
- River
 - River Otters
 - Ducks
 - Fish
 - Osprey

Trails and Wildlife

Many of the Pleasant Grove Park's trails go through multiple habitats. (See separate trail map.¹) Here's a quick guide to the habitats and trails:

To view the Untended Grassy Field habitat take the East Field Trail from the Pleasant Grove House through the front field abutting Route 53. A small section of the River Loop Trail at the Rivanna River also has an untended grassy field.

For the Shrubs and Small Trees habitat, see the first few hundred yards of the Heritage Trail from the picnic shelter (pole barns) to the hill descent. Also take the portion of the River Anne Trail as it abuts the Rivanna River.

Pine/ Transition Forest habitats are the most prevalent habitats at Pleasant Grove Park. The Heritage Trail exhibits this habitat on the hill descent, after the shrubs and small trees and, before the mixed hardwoods at the bottom. The Bush Arbor and Deer Valley Trails also offer good examples of the pine transition forest habitat. Near the Dog Park the Horseshoe Trail is your best bet for this habitat. While at the Library, the Beech Grove Trail leads to the Rockbrook Trail, also an excellent example of a pine/ transition forest habitat.

To view a Mature Hardwood Forest habitat, walk the North Hill Trail starting at the picnic shelter. Also the Heritage Trail after its descent into the bottom land from the pole

barns offers a mixed hardwood forest habitat.

The River Loop, Farm Hill and River Anne Trails provide excellent views of the River habitat.

Fluvanna has a wonderful history display at the Pleasant Grove House. While there we want to invite you to stop by the Heritage Trail Museum for more information on trails and habitats at the park.

If you need additional information on Pleasant Grove, or any of Fluvanna County's parks, please call us at 434-842-3150, or send us an email through our website⁶.

This brochure was developed with assistance from the Rivanna chapter of the Virginia Master Naturalists⁷.



Figure 1: Eastern Cottontail

Virginia Master Naturalist Program Rivanna Chapter Project Proposal Form



Project proposals should be completed by chapter members or partner organizations and submitted to the Rivanna Chapter's Projects Committee for review. Projects will be evaluated for relevance to program mission and objectives. Projects and activities implemented without approval are not considered Master Naturalist activities, do not count towards required service hours, and do not carry the liability shield.

Project Coordinator: *(Who from the chapter is the contact person and organizer for this project?)*

Name: Walter Hussey

Phone Number: 703.967.1798

Email: whthinker@yahoo.com

Date of Submission: February 11. 2014

Project Name: Fluvanna County Citizen Science Activities

Project Summary Description (1 sentence): Citizen science projects on public lands including, but not limited to, recording plants and animals on Fluvanna County owned properties, especially along the Heritage Trail.

Project Information:

- 1. Partner Organization Contact:** *(the contact person from an RMN public or non-profit agency partner)*
Name: Jason Smith
Organization: Fluvanna County (FluCo) Parks and Recreation (PAR)
Phone Number: 434.842.3150
Email: jsmith@fluvannacounty.org
- 2. Detailed Project Description:** *(Describe what the project involves. What will participants actually do?)* There are relatively few entries for Fluvanna County on various wildlife mapping sites. By a systemized recording of organisms encountered on Fluvanna County lands, much can be added to knowledge of organisms found in a riverine, rural environment.
- 3. Project Purpose and Value:** *(How will this project contribute to natural resource management, conservation, or education? How will volunteers benefit from the project?)* By studying and reporting on the plants and animals found on the Heritage Trail and other properties, a greater appreciation will develop of the various environments to be found there.
- 4. Project Location:** *(Where will this project take place?)* The Project is to be performed in parkland locations and school properties in Fluvanna including Pleasant Grove Park near Palmyra, VA.

Virginia Master Naturalist programs and employment are open to all, regardless of race, color, national origin, sex, religion, age, disability, political beliefs, sexual orientation, or marital or family status. An equal opportunity/affirmative action employer.

Virginia Master Naturalist Program Rivanna Chapter Project Proposal Form



5. **Time Frame:** *(What is the timeframe for this project? Be as specific as possible—what time does a volunteer need to be there and how late are they expected to stay? If it is seasonal, what are the approximate dates or appropriate weather conditions? Is this an on-going project or does it have a fixed end date? About how many hours can a volunteer expect to put into this project?)* Formal reports will be made of the organisms identified in the county on the wildlife mapping site (DGIF) as well as a listing of the plants found. Ongoing observations as well as bioblitz type events will be encouraged.
6. **What prior experience or expertise is required or preferred?** Training and experience as a Master Naturalist is preferred. Advanced training on various types of organisms will also be helpful. Training in the use of the DGIF wildlife mapping is needed by at least some of the participants.
7. **What training will be provided and by whom?** Basic Master Naturalist basic and advanced training as provided by RMN and other sources.
8. **Resources Provided:** *(What equipment or other resources will be provided for the volunteer(s)?)* Training in wildlife mapping and/or use of dichotomous keys will be provided.
9. **Resources Needed:** *(What will the volunteer(s) or chapter need to provide and how will these resources be acquired?)* Volunteers will provide a GPS (cell phone app), camera (cell), and note taking materials and computer with MS Word.
10. **Safety Hazards and Protocols:** *(What hazards might the volunteers encounter and what safety protocols should be followed?)* Normal trail and outdoor hazards are expected. Safety protocols learned in RMN training and experience will be followed.
11. **Participation by Minors:** *(Will minors be involved in the project? If so, then all volunteers must be trained in working with youth and the "Above Suspicion" policy.)* No minors are expected to participate. Monitoring on school grounds by teachers and students may be encouraged.
12. **Project Evaluation:** *(How will the project be evaluated during the implementation and after completion?)* Evaluation will be long term determined the number of species reported.
13. **Chapter Recognition:** *(How—if at all—will the Virginia Master Naturalist, Rivanna Chapter be recognized?)* FluCo PAR will note in their quarterly bulletin as well as in press releases. The new FluCo Welcome Center planned for the restored farmhouse at Pleasant Grove will acknowledge the role of VMN/ RMN. The local newspapers, Rural Virginian and Fluvanna Review, will be invited to write articles on the project.

Virginia Master Naturalist Program Rivanna Chapter Project Proposal Form



Project Category: *(Choose one: Citizen Science, Education, Stewardship)* Stewardship

Number of Volunteers Needed: 2-3 - - - more if a bioblitz is sponsored.

For Projects Committee Only: Project Approved? YES NO Date:

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Virginia Master Naturalist Program Rivanna Chapter Project Proposal Form



Project proposals should be completed by chapter members or partner organizations and submitted to the Rivanna Chapter's Projects Committee for review. Projects will be evaluated for relevance to program mission and objectives. Projects and activities implemented without approval are not considered Master Naturalist activities, do not count towards required service hours, and do not carry the liability shield.

Project Coordinator: *(Who from the chapter is the contact person and organizer for this project?)*

Name: Walter Hussey

Phone Number: 703.967.1798

Email: whthinker@yahoo.com

Date of Submission: February 11. 2014

Project Name: Fluvanna County Education Activities

Project Summary Description (1 sentence): Environmental Education of Fluvanna County residents on County owned properties including but not limited to Pleasant Grove Park, the Heritage Trail, and school properties.

Project Information:

- 1. Partner Organization Contact:** *(the contact person from an RMN public or non-profit agency partner)*
Name: Jason Smith
Organization: Fluvanna County (FluCo) Parks and Recreation (PAR)
Phone Number: 434.842.3150
Email: jsmith@fluvannacounty.org
- 2. Detailed Project Description:** *(Describe what the project involves. What will participants actually do?)* Volunteers may lead hikes, develop educational signage, or speak to various groups on environmental concerns related to county properties. They may also work with school groups to learn about the nature on their school grounds.
- 3. Project Purpose and Value:** *(How will this project contribute to natural resource management, conservation, or education? How will volunteers benefit from the project?)* Fluvanna county residents will learn more about their environment and the importance of preserving their natural heritage. They will also gain greater appreciation of the living things found in the county. The volunteers will gain satisfaction in promoting better attitudes toward and knowledge about nature.

Virginia Master Naturalist Program

Rivanna Chapter Project Proposal Form



4. **Project Location:** *(Where will this project take place?)* The Project is to be performed in parkland locations and school properties in Fluvanna including Pleasant Grove Park near Palmyra, VA.
5. **Time Frame:** *(What is the timeframe for this project? Be as specific as possible—what time does a volunteer need to be there and how late are they expected to stay? If it is seasonal, what are the approximate dates or appropriate weather conditions? Is this an on-going project or does it have a fixed end date? About how many hours can a volunteer expect to put into this project?)* Volunteers may work at any time of the year. Much of the work will be done outdoors, but developing signage and educational trail materials may be done indoors. There are no fixed dates or end date for this project.
6. **What prior experience or expertise is required or preferred?** Training and experience as a Master Naturalist is preferred. Advanced training in some topics such as aquatic ecology or water monitoring may be useful. Appropriate risk management training for dealing with young children is also important.
7. **What training will be provided and by whom?** Basic Master Naturalist basic and advanced training as provided by RMN and other sources.
8. **Resources Provided:** *(What equipment or other resources will be provided for the volunteer(s)?)* RMN will provide reference material and prior experience.
9. **Resources Needed:** *(What will the volunteer(s) or chapter need to provide and how will these resources be acquired?)* Volunteers will provide appropriate expertise and safety needs.
10. **Safety Hazards and Protocols:** *(What hazards might the volunteers encounter and what safety protocols should be followed?)* Normal trail and outdoor hazards are expected. Safety protocols learned in RMN training and experience will be followed.
11. **Participation by Minors:** *(Will minors be involved in the project? If so, then all volunteers must be trained in working with youth and the “Above Suspicion” policy.)*
Yes
12. **Project Evaluation:** *(How will the project be evaluated during the implementation and after completion?)* The response of those who have received the education will be used for evaluation.
13. **Chapter Recognition:** *(How—if at all—will the Virginia Master Naturalist, Rivanna Chapter be recognized?)* FluCo PAR will note in their quarterly bulletin as well as in press releases. The local newspapers, Rural Virginian and Fluvanna Review, will be invited to write articles on the project.

Virginia Master Naturalist Program Rivanna Chapter Project Proposal Form



Project Category: *(Choose one: Citizen Science, Education, Stewardship)* Stewardship

Number of Volunteers Needed: Varies according to requests

For Projects Committee Only: Project Approved? YES NO Date:

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Virginia Master Naturalist Program Rivanna Chapter Project Proposal Form



Project proposals should be completed by chapter members or partner organizations and submitted to the Rivanna Chapter's Projects Committee for review. Projects will be evaluated for relevance to program mission and objectives. Projects and activities implemented without approval are not considered Master Naturalist activities, do not count towards required service hours, and do not carry the liability shield.

Project Coordinator: *(Who from the chapter is the contact person and organizer for this project?)*

Name: Walter Hussey

Phone Number: 703.967.1798

Email: whthinker@yahoo.com

Date of Submission: February 11, 2014

Project Name: Fluvanna **County** Stewardship Activities

Project Summary Description (1 sentence): Stewardship of Fluvanna County owned properties including but not limited to Pleasant Grove Park, the Heritage Trail, and school properties.

Project Information:

1. **Partner Organization Contact:** *(the contact person from an RMN public or non-profit agency partner)*

Name: Jason Smith

Organization: Fluvanna County (FluCo) Parks and Recreation (PAR)

Phone Number: 434.842.3150

Email: jsmith@fluvannacounty.org

2. **Detailed Project Description:** *(Describe what the project involves. What will participants actually do?)* Initial work will occur where Fluvanna County has acquired an old farm along the Rivanna River near Palmyra and converted portions of it to a park, Pleasant Grove. The Fluvanna County (FluCo) Parks and Recreation (PAR) Department is responsible for over 18 miles of trails on the property along the Rivanna River. Some trails are hiking only while some are equestrian and some are shared with one trail being ADA accessible. Recently, FluCo acquired additional parkland along the Rivanna and it is anticipated that additional trails will be constructed. The Heritage Trail Foundation assists PAR with some resources and in managing the trails while FluCo Public Works does the trail work for PAR. RMN participants will baseline the hiking portions of the trails and periodically monitor their condition, reporting results to the PAR. Participants will perform various activities including trail monitoring that will initially start with the condition of the trails for their intended use, hiking, and their impact on the environment, e.g. erosion. Subsequently, invasives will be noted and informal trails will be documented. Follow on activities will consist of other stewardship

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activities in the FluCo PAR area of responsibility as volunteer time and activities are identified. Trails and tree planting on school properties may be included.

3. **Project Purpose and Value:** *(How will this project contribute to natural resource management, conservation, or education? How will volunteers benefit from the project?)* Adverse environmental impacts to the Rivanna, and James River watersheds will be lessened, natural resources will be preserved and the public will have an enhanced nature experience along with a heightened appreciation of the need for ecological stewardship. Volunteers will learn about the Rivanna watershed and will be helping preserve a natural heritage for their peers as well as their descendants. The Pleasant Grove Park is expected to attract many more visitors in the future especially as the new Fluvanna County Welcome Center becomes operative and other planned improvements are implemented. The accompanying increased Heritage Trail usage has the potential to have adverse environmental impacts including trampling and loss of vegetation, alteration in vegetative composition, possible introduction and spread of non-native plants, compaction and loss of soil, increase runoff to and sedimentation of, the Rivanna River all accompanied by the disturbance and loss of wildlife. At the same time as the potential for these adverse ecological impacts is increasing, Fluvanna County is facing significant budget constraints that put a limit on the funding available to investigate trail conditions and make any necessary repairs or improvements. This project will provide these management decision makers with vital information in order to maximize the return on investment of monies spent for Pleasant Grove, the Heritage Trail and other natural parkland.
4. **Project Location:** *(Where will this project take place?)* The Project is to be performed in parkland locations and school properties in Fluvanna including Pleasant Grove Park near Palmyra, VA.
5. **Time Frame:** *(What is the timeframe for this project? Be as specific as possible—what time does a volunteer need to be there and how late are they expected to stay? If it is seasonal, what are the approximate dates or appropriate weather conditions? Is this an on-going project or does it have a fixed end date? About how many hours can a volunteer expect to put into this project?)* Formal reports on trail monitoring will be annual with trails walked monthly, mainly looking for damage since the last walk through. PAR will be advised of any maintenance needs. Three hours per month will be required after setting the baseline which should take about 12 hours depending on conditions found.
6. **What prior experience or expertise is required or preferred?** Training and experience as a Master Naturalist is preferred. Virginia Tech's Department of Forest Resources & Environmental Conservation and their contingent at the USGS Patuxent Wildlife Research Station will be requested to identify other resources from their extensive research on trail monitoring in our region. It is expected that USDA - Forest Service and the National Park Service references will be of value. These include the

Virginia Master Naturalist Program Rivanna Chapter Project Proposal Form



NPS *Visitor Experience and Resource Protection Handbook*, planning.nps.gov/document/verphandbook.pdf, as well as the Virginia Tech College of Natural Resources, Department of Forest Resources & Environmental Conservation work on trails in nearby parks such as documented in the report they published for the USDI's U.S. Geological Survey entitled *Formal and Informal Trail Monitoring Potocols and Baseline Conditions: Great Falls and Potomac Gorge*, http://profile.usgs.gov/myscience/upload_folder/ci2011Jul1215211936429POGO%20rails%20Study%20Final%20Rpt.pdf.

7. **What training will be provided and by whom?** Basic Master Naturalist basic and advanced training as provided by RMN and other sources. The project lead is planning to attend the Subaru/ IMBA Trail Building School at Lynchburg College in March 2014.
8. **Resources Provided:** *(What equipment or other resources will be provided for the volunteer(s)?)* RMN will provide reference material and prior experience on trail monitoring and lessons learned as well as protocols used for Ivy Creek trails along with access to members' experience and expertise.
9. **Resources Needed:** *(What will the volunteer(s) or chapter need to provide and how will these resources be acquired?)* Volunteers will provide a GPS (cell phone app), camera (cell), measuring wheel (VCE provided), trash bags, note taking materials and computer with MS Word.
10. **Safety Hazards and Protocols:** *(What hazards might the volunteers encounter and what safety protocols should be followed?)* Normal trail and outdoor hazards are expected. Safety protocols learned in RMN training and experience will be followed.
11. **Participation by Minors:** *(Will minors be involved in the project? If so, then all volunteers must be trained in working with youth and the "Above Suspicion" policy.)* No minors are expected to participate.
12. **Project Evaluation:** *(How will the project be evaluated during the implementation and after completion?)* Evaluation will be long term determined by the health of the trail.
13. **Chapter Recognition:** *(How—if at all—will the Virginia Master Naturalist, Rivanna Chapter be recognized?)* FluCo PAR will note in their quarterly bulletin as well as in press releases. The new FluCo Welcome Center planned for the restored farmhouse at Pleasant Grove will acknowledge the role of VMN/ RMN. The local newspapers, Rural Virginian and Fluvanna Review, will be invited to write articles on the project.

Project Category: *(Choose one: Citizen Science, Education, Stewardship)* Stewardship

Number of Volunteers Needed: 2-3

Virginia Master Naturalist Program Rivanna Chapter Project Proposal Form



For Projects Committee Only: Project Approved? YES NO Date:

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NOTES:

SIZE: 12" X 16"

COLORS: WHITE MARGIN/BACKGROUND,
RED BORDER, BLACK AND BLUE TEXT,
BLACK DGIF LOGO.

HABITAT PARTNERS LOGO:
RED AND BROWN BIRD W/YELLOW
FEET, BEAK AND EYE, BLACK FACE,
BLUE RING W/WHITE TEXT, GREEN LEAVES
AND GRASS, YELLOW CENTER OF FLOWERS
W/ GREEN ACCENTS, WHITE BLOSSOMS
W/ GREY DETAILS, BROWN STEM AND
DETAILS IN FLOWER, GREY AND YELLOW
WHEAT GRASS, GREY "HABITAT PARTNERS"
TEXT W/ REGISTRATION MARK

SHEETING: 3M SHEETING ON ALUMINUM
ALLOY GAUGE [.040]

TYPEFACE: CENTURY OLD STYLE BOLD
& GEORGIA BOLD

12"

16"



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