

**PARKS AND RECREATION ADVISORY BOARD  
AGENDA  
July 11, 2019**

**ADMINISTRATIVE ITEMS**

- ADMIN-1 Advisory Board Member Introductions  
ADMIN-2 Adoption of Minutes – March 14, 2019 Advisory Board Meeting

**PRESENTATION ITEMS**

- P-1 Aquatic Operations and Training  
P-2 Citywide Trail & Connectivity Initiatives

**INFORMATION ITEMS**

- I-1 Meadow Creek Valley Master Plan Implementation  
I-2 McIntire Park Projects Update  
I-3 Fiscal Year 2021-25 Capital Improvement Program – Preliminary Discussion  
I-4 Meadowcreek Golf Course – Maintenance Contract Implementation  
I-5 Integrated Pest Management Annual Report

**MATTERS BY THE CHAIR**

**BOARD MATTERS**

**DIRECTOR'S MATTERS**

**ADJOURNMENT**



City of Charlottesville  
Parks and Recreation Advisory Board – Agenda Item  
July 11, 2019

**ADMINISTRATIVE – 1**

Advisory Board Member Introductions

**ADMINISTRATIVE – 2**

Adoption of Minutes – March 14, 2019 Parks and Recreation Advisory Board Meeting

ACTION REQUIRED:

Advisory Board adoption of the minutes of the March 14, 2019 meeting.

ENCLOSED DOCUMENTS:

Minutes of March 14, 2019 meeting.

**Parks & Recreation Advisory Board**  
**MINUTES**

**March 14, 2019**

The Parks and Recreation Advisory Board held a regular meeting on Thursday, March 14, 2019 at 5:30 p.m. @ Parks & Recreation admin conference room. Members present were: Ruth Barnett, Llezelle Dugger, Anne Hemenway, Ned Michie, Hosea Mitchell and Bridget Moss.

Member absent: Aimee Carter, Jeffrey Fracher and Jennifer Slack

Staff: Vic Garber, Sarah Blech, Caitlin Marcotte

**Presentation - Adaptive Recreation**

- Sarah Blech, Adaptive Recreation Manager and Caitlin Marcotte, Adaptive Recreation Specialist gave a presentation slide show on Parks & Recreation Adaptive Program for board members:
  - Programs & Services Offered: Ongoing Exercise classes, Ongoing Skills Programs, Supper Club, Special Events, Community Outings, Overnight Trips, Camps, Visual Impairment Luncheons, Access Arts Charlottesville/Albemarle, Sibling Support Events, Seniors Trips & Programs
  - Camps – Nature Arts Camp, Camp Henry, Camp Crow, Robin & Mani’s All Buddy Camp, Spring Break
  - Visual Impairment Luncheons – meet once a month
  - Water Exercise – held @ Smith Aquatic Centers, Mondays & Wednesdays
  - Overnight Trips – Wintergreen, Fall Vacation, Whitewater Adventure
  - Community Outings – Paddle Boarding, Girls Night Out, Christmas Town, Busch Gardens
  - Special Events – Dances, Annual Picnics, Pool Party
  - Ongoing Skills Programs – Cooking classes, Arts & Crafts, Book Club
  - Sibling Support Group – twice yearly

**Motion – Adoption of Minutes**

- Ruth Barnett made a motion to adopt February 14, 2019 minutes, second by Anne Hemenway, motion was unanimously approved.

**McIntire Park**

- Vic Garber reported that the Skatepark opened March 2
- Ribbon cutting for bridge & Skatepark scheduled for April 20. Activities include: vendors, exhibitions, competitions, bands, etc.
- Parking – would like road in to remain to allow more parking
- Llezelle Dugger asked about access to the Vietnam veteran memorial situation. Vic Garber replied being worked on with City Manager’s office, signs being placed for parking

### **Budget - FY 2020**

- Vic Garber reported that budget work was in process, stated that Saturday there will be a public forum from 1-3 pm, last public forum
- End of April – City Council will make decisions on budget

### **Meadowcreek Golf Course**

- Vic Garber reported that Meadowcreek Golf Course now has a Billy Casper maintenance contract in place.
- Ned Michie asked if they were self-sustaining with contract; Vic Garber replied that they were an enterprise fund but will look @ budget and report back to board members.

### **Matters by the Chair**

- None

### **Board Matters**

- Anne Hemenway reported that Mark Lorenzoni, Charlottesville Track Club, presented Parks & Recreation, Chris Gensic & Michelle Christian, their annual award for community partnership.
- Ruth Barnett asked about trees cut on 5<sup>th</sup> Street, Vic Garber replied will check and report back to board members
- Ned Michie asked if the tennis courts were done? Vic Garber replied they need topping, but are supposed to be done by May, waiting for contractor, need 2 weeks without rain, also asked about pickle ball?? Vic Garber replied that he will check & report back to board members
- Anne Hemenway asked about the rope play structure @ Pen Park? –Vic Garber replied that it was on hold @ the moment, but will check & report back to board members

### **Directors Matters**

- Vic Garber announced that there would be an Easter Extravaganza on Saturday, 4/13 and may be the last one @ CHS
- Vic Garber reported that staff was in the process of going through applications to replace Parks Manager

### **Motion to Adjourn**

- Llezelle Dugger made a motion to adjourn meeting, Anne Hemenway second, motion was unanimously approved.
- Meeting adjourned @ 6:30 pm

Respectfully submitted,

Linda Daly  
Secretary to the Advisory Board

## **PRESENTATION – 1**

### Aquatic Operations & Training

Staff from Aquatics will provide an overview of 2019 season facility operations and training programs.

## **PRESENTATION – 2**

### Citywide Trail & Connectivity Issues

Staff will provide an overview of current citywide trail and connectivity initiatives.

## **INFORMATION - 1**

### Meadow Creek Valley Master Plan Implementation

Below is an outline of the current status of efforts in the Meadow Creek Valley

- Greenbrier Park Trail improvements
  - Construction complete –some touch up items and E&S silt fence removal remain
  - Working with City to determine solution to historic stormwater issues at 3 way stop
- Kneedler bridge moving forward
  - Final ramp design and local flood permit approval underway now
    - (FEMA final stamp due August)
  - Will need bid review by DCR (state grant funding agency)
  - Construction anticipated to begin fall 2019
- Funding to build senior center bridge awarded in VDOT TAP application
  - Design RFQ summer 2019 - Construction anticipated by Spring 2020
  - Easement from Republic Homes acquired March 2019 (Greenbrier Drive end of trail)
- Coordinating with developer and The Nature Conservancy on options for connection from Michie & Hillsdale to north end at Senior Center bridge.
- TAP grant application submitted to connect 250 bypass trail to Hydraulic ay Michie Drive (2019)
- Continue to work to finalize land donations in 250/Hydraulic/29 triangle
- Norfolk Southern Railroad tunnel
  - (VDOT) grant application not funded for next TAP round (2019).
  - Will continue to work to identify funding

- Preliminary engineering study underway now
- 250 Bypass trail
  - Bid award and begin construction of Hydraulic to West McIntire underway
  - Working to complete outstanding land acquisitions by end of summer 2019
  - RFQ for construction of connection fire station to YMCA at east end underway

## **INFORMATION - 2**

McIntire Park Projects Update

## **INFORMATION - 3**

Fiscal Year 2021-25 Capital Improvement Program – Preliminary Discussion

## **INFORMATION - 4**

Meadowcreek Golf Course Maintenance Contract Implementation

## **INFORMATION - 5**

Integrated Pest Management Annual Report

# Integrated Pest Management



## What is a pest?

Pests are organisms including insects and undesirable plants that damage landscapes, structures, infrastructure, or that impact human or animal health.

# Integrated Pest Management Program

## Charlottesville Parks and Recreation Department

### **IPM Coordinator**

John Mann, Landscape Manager/Horticulturalist

### **IPM Program Manager**

Patrick Hagan, Gardener II

### **IPM Committee**

Brian Daly, Director, Parks and Recreation

Doug Ehman, Parks Manager

Kristel Riddervold, Environmental Sustainability Manager

Dave Hirschman, Parks and Recreation Advisory Board Representative

Rosanne Simon, Charlottesville Tree Commission Representative

Report Prepared by Patrick Hagan and John Mann

Graphics: Brian Ray



## Introduction

Integrated Pest Management (IPM) is an internationally recognized methodology that establishes an effective and environmentally sensitive response to pests (insects, weeds, pathogens, rodent and other vertebrates). IPM establishes a sustainable approach to managing pests by combining biological, cultural, physical, and if necessary, chemical tools in a way that minimize health, environmental and economic risks.

An effective IPM program requires constant analysis, planning and revision. Looking critically at the level of service and methods used to maintain this level of service are vital to the success of the program. Assessing these methods and practices maintains a level of responsibility and transparency to the public and promotes innovation in the IPM program. The Parks and Recreation Department strives to be proactive rather than reactive in the implementation of IPM methods.

The intention of this report is to disclose the present activities of the City of Charlottesville's Integrated Pest Management (IPM) program as adopted by City Council in 2018. It will provide insight into the decision-making process as it pertains to the implementation of the IPM program and analyze the past goals as well as highlight the future goals of the program.

Establishing environmentally sustainable practices in IPM methods requires analyzing the landscape as an individual ecosystem. Proper amendments and the introduction of beneficial microbes into the soil of these landscape systems will promote healthier plants. Healthier plants sustain a higher resistance to pests and diseases. Maintaining the integrity and correct balance of the soil is crucial to the long term health of the ecosystem.

This strategy includes increasing mulch and compost applications, appropriate pre-emergent applications in weed-prone right of way areas, and continued exploration of safer and more effective products and methods in the implementation of the IPM program.

## 2018 Year in Review

Since the adoption of the Integrated Pest Management (IPM) program as policy by Charlottesville's city council in 2015, the Parks Department has maintained a proactive approach to public safety while also remaining innovative and open to new methods and the concerns of environmental groups and citizens.

The past year presented challenges and opportunities for the IPM program. With nearly record levels of precipitation, weed growth swelled in 2018. The deteriorating hardscapes such as parking lots, outdoor ball courts, sidewalks and curb lines at schools required chemical applications to suppress weed growth. Glyphosate was reintroduced to some elementary schools to mitigate the ongoing issue of weeds in school hardscapes. Vegetation surrounding HVAC units at schools required glyphosate applications as well. In these instances, the weed growth is first cut back and then sprayed, reducing the amount of product used.

The recent addition of a mulch blower allowed for mulching frequencies to be increased. This additional mulch greatly improved the appearance of landscaped beds and will continue to help reduce weed growth. Mulching, in conjunction with properly timed applications of pre-emergent herbicides in high weed prone locations, helped reduce the application of glyphosate.

Reductions occurred in glyphosate applications citywide. In addition to increased mulching and properly timed and targeted applications of pre-emergent products, glyphosate was reduced by consistently monitoring data on pesticide use and comparing this data to past application records.

# Parks & Recreation Pesticide Application Database: Data Model

System	Location	Facility
Parks	Azalea Park Bailey Park Belmont Park Fifeville Park Foresthills Park Greenbriar Park Greenleaf Park Jackson Park Jordan Park Lee Park McGuffey Park McIntire Park East McIntire Park West Meade Park Meadowcreek Park Meadowcreek Stream Valley Northeast Park Pen Park Quarry Park Riverview Park Rives Park Schenks Greenway Starhill Park Tonsler Park Washington Park	Athletic Fields Curbs/Sidewalks Landscape Beds Natural Areas Playgrounds Stormwater Structures
Schools	Buford School Burnley Moran School CHSchool/PAC Clark School Greenbriar School Jackson Via School Johnson School School Admin Venable School Walker School	Athletic Fields Curbs/Sidewalks Landscape Beds Natural Areas Playgrounds Stormwater Structures
Public Buildings	Circuit Court City Hall City Hall Annex DT Transit Jefferson Center McGuffey Arts Parks Admin Pavillion PW Avon PW City Yard Smith	Curbs/Sidewalks Landscape Beds Natural Areas Stormwater Structures
Right of Way	250 Bypass 5th Street Avon Street Barracks Road Brown Blvd DT Mall Emmett Street Fontaine Ave Jefferson Park Ave Mcintire Road/Ridge Street Meadowcreek Parkway Other City Street Preston Ave UVA Corner	Curbs/Sidewalks Landscape Beds Natural Areas Stormwater Structures
Cemeteries	Maplewood Cemetery Oakwood Cemetery Pen Park Cemetery Daughters of Zion	Curbs/Sidewalks Landscape Beds Natural Areas
Hort Sector	250 Bypass Sector 5th & Belmont Sector Downtown Sector JPA & Main Sector Preston & McIntire Sector	Landscape Beds
Golf Course	Meadowcreek Course Meadowcreek Clubhouse	Curbs/Sidewalks Fairways Green Surrounds Greens Landscape Beds Natural Areas Roughs Stormwater Structures Tees

### Selective vs. Non-Selective Herbicides

Selective herbicides target a particular variety of plant, or a plant's living situation, whereas non-selective herbicides do not. Glyphosate is a non-selective, which means it will most likely kill any vegetation it comes in contact with. Selective herbicides on the other hand, kill only a specific weed variety such as nutsedge. Selective herbicides also work in situations where weeds are growing in a groundcover or shrubs. These herbicides will destroy the target weed while leaving the desired plants unharmed. Some weeds, due to their location or variety, require selective herbicides.

### Invasive Plants

Invasive species such as kudzu, porcelain berry vine, and poison ivy offer unique challenges throughout parks and trails. Invasive plants threaten desirable species by latching themselves to the desired plants, robbing them of light and nutrients, and eventually choking them out. Invasive plants are extremely persistent and require multiple treatments, usually using a generic glyphosate applied to the foliage. Triclopyr is also used as a spot treatment on bigger, woody vines when the stems are cut at the base of the plant. In cases of kudzu infestation, these treatments will take years of applications with only minor success. To date, no selective herbicides will successfully treat kudzu.

### Emerald Ash Borer

Emerald ash borer is an invasive species of beetle that is native to north eastern Asia and feeds on the ash species of trees. It was inadvertently spread to North America and initially discovered in Michigan. It has since spread as far south as Louisiana and is currently present in Virginia. The emerald ash borer is extremely destructive and can be costly to control. Adult borers feed on ash foliage and cause only aesthetic damage. After feeding and mating, the female borers deposit eggs in the cracks of the bark of the ash tree. These larva feed on the cambium and outer xylem layers of the host tree for approximately two years. As the larva tunnel through these critical layers of the tree, they disrupt the flow of nutrients and sugars, eventually killing the host tree. Currently, trunk injections are performed on the city's most valuable ash trees. These injections are administered by contractors every two years.

### Spotted Lanternfly

A new pest is on the watch list for Virginia as well. The Spotted Lanternfly has been found in Winchester, VA. This pest is especially troubling to orchards and wineries as it attacks tree fruits, grapes and over 70 other trees and plants. The females can lay eggs on railroad cars,

wooden pallets and a variety of other materials used to transport goods, making these pest difficult to contain.

### The Year Ahead

The IPM program will continue to focus on increasing mulching frequencies, effective timing of pre-emergent applications, volunteer involvement and product reduction. Although the amount of glyphosate that is currently used will most likely show minimal reduction, there are a number of strategies to ensure that its use will not increase substantially. Properly timed pre-emergent applications coupled with increased mulching of weed-prone areas will help to reduce the use of glyphosate.

The recent acquisition of two smaller propane torch kits will allow for treatment of weeds in hardscapes, curb lines and outdoor ball courts, especially at elementary schools and in other sensitive areas.

Elementary schools and other sensitive areas such as spray parks will remain a major focus of reduction in glyphosate applications. These areas receive glyphosate applications particularly in parking lots, sidewalks and curb lines. Weed growth in areas adjacent to spray pads and other areas frequented by children will be treated mechanically.

### Conclusion

The City of Charlottesville will continue to use a sensible approach regarding chemical applications in sensitive areas. These applications will be administered only as a last resort for treatment and will be largely managed by mechanical means. Above all else, consistent monitoring of data on pesticide use and the comparison of this data to past application records will allow for the manipulation of applications.

For more information and prior IPM reports, please see:

<http://www.charlottesville.org/departments-and-services/departments-h-z/parks-recreation-/parks-trails/landscape-management/pest-management>

