



# The Landing Rate Count

[www.scmca.net](http://www.scmca.net)

Newsletter of the South Carolina Mosquito Control Association

December 2020 –Vol 46 • Issue 2

Editor: Chelsey Reed

## The President's Message

As we continue to work through the changes brought on by the COVID-19 pandemic (which coincidentally is the word of the year according to Webster), I see the passion for what we do as an industry through the adaptive behavior by the people in charge of public health programs. We cannot let anything stand in the way of doing our jobs, as we are such an essential part of everyday life. Thankfully, considering a record-breaking year of tropical storms, vector-borne disease remained relatively low (at least from the limited reporting available, official data will likely come out later in 2021). Overall, mosquito diseases have been low since the big spike in 2016, but disease from ticks has been high. <https://www.cdc.gov/ncezid/dvbd/vital-signs/south-carolina.html>



Larry Motes, BCE  
2020 SCMCA President

Since arboviral diseases aren't making the headlines, it is important that we stay close to the top of the budgeting priorities with our state and local administrators. Please take a look at this article published jointly by CDC and EPA in the July 17<sup>th</sup> MMWR which states: "CDC and EPA strongly recommend the continuation of mosquito surveillance and IPM-based control in the United States during mosquito-borne disease outbreaks, nonmosquito-related public health emergencies, and natural disasters". See the full article here: [https://www.cdc.gov/mmwr/volumes/69/wr/mm6928a6.htm?s\\_cid=mm6928a6\\_e&deliveryName=USCDC\\_921-DM33056](https://www.cdc.gov/mmwr/volumes/69/wr/mm6928a6.htm?s_cid=mm6928a6_e&deliveryName=USCDC_921-DM33056)

As a board, we are working hard to represent the membership in the best possible way during this difficult time. Since we were not able to hold an annual conference this year, we are waving the membership dues until the 2021 registration next fall. We are also planning a Virtual event to hold the annual SCMCA business meeting in late February 2021 per the bylaws and constitution. Hopefully, we will be back on "normal" schedule for the Summer workshop and annual meeting in November.

Stay safe, and I hope each of you have a Merry Christmas and a Happy New Year!

## In This Issue

- President's Message ..... 1
- SCMCA Sustaining Members ..... 2 - 3
- SCMCA Regions ..... 4
- Region Updates;
- Upper Region ..... 5
- Middle Region ..... 6 - 7
- Lower Region ..... 8 - 10
- MAMCA Board Members ..... 11
- Web Resources ..... 12
- 2020 Tech of the Year Nomination Form ..... 13
- SCMCA Membership Application ..... 14
- 2020 SCMCA Board ..... 15

## Important Meeting Notice

**Annual MAMCA meeting will be held virtually on February 17-18, 2021.**

**SCMCA will hold a virtual business meeting, date TBD.**

# 2020 SCMCA Sustaining Members

*Thank you for your time and contributions!*



**ADAPCO Innovative Mosquito Solutions,  
an AZELIS Americas Company**

Trey English

(866) 829-0275 office

(229) 300-0091 cell

(866) 330-9888 fax

tenglish@myadapco.com



[WWW.MYADAPCO.COM](http://WWW.MYADAPCO.COM)

[WWW.AZELISAMERICAS.COM](http://WWW.AZELISAMERICAS.COM)



**AllPro Vector Group**

Joe Andrews

(919) 343-8440 cell

(248) 773-7460 office

joea@allprovector.com

sales@allprovector.com

[WWW.ALLPROVECTOR.COM](http://WWW.ALLPROVECTOR.COM)



**Clarke Mosquito Control**

Sydney Brogden

(828) 735-1760

sbrogden@clarke.com

[WWW.CLARKE.COM](http://WWW.CLARKE.COM)

***Allen Aviation, Inc.***  
***Aynor, S.C.***

**Allen Aviation, Inc.**

Al and Shanda Allen

(843) 358-3583 office

flyallen@sccoast.net

[WWW.ALLENAVIATION.COM](http://WWW.ALLENAVIATION.COM)



**Central Life Sciences**

Kelly Deutsch

(407) 952-2817 cell

kdeutsch@central.com

[WWW.CENTRALLIFESCIENCES.COM](http://WWW.CENTRALLIFESCIENCES.COM)



**Gregory Pest Solutions**

Tim Teague

(803) 309-6844

tteague@gregorypestsolutions.com

[WWW.SMARTERPESTCONTROL.COM](http://WWW.SMARTERPESTCONTROL.COM)

## 2020 SCMCA Sustaining Members, continued



**Mosquito Control Engineering Services (MCES), LLC**

Carlos Gonzalez  
(321) 363-4977  
carlos@mymces.com

[WWW.MYMCES.COM](http://WWW.MYMCES.COM)



**Target Specialty Products**

Steve Molnar  
(470) 432-3134  
steve.molnar@target-specialty.com

[www.target-specialty.com](http://www.target-specialty.com)



**AMVAC Chemical Corporation**

Peter Connelly  
(772) 563-0606 office  
(772) 205-5280 cell  
peterc@amvac-chemical.com

[WWW.AMVAC-CHEMICAL.COM](http://WWW.AMVAC-CHEMICAL.COM)



**Valent Biosciences**

Candace Royals  
(813) 505-8852  
Candace.royals@valent.com

[WWW.VALENTBIOSCIENCES.COM](http://WWW.VALENTBIOSCIENCES.COM)



**Veseris**

Maria Miller  
(704) 589-7199  
Maria.miller@univarusa.com

[WWW.VESERIS.COM](http://WWW.VESERIS.COM)

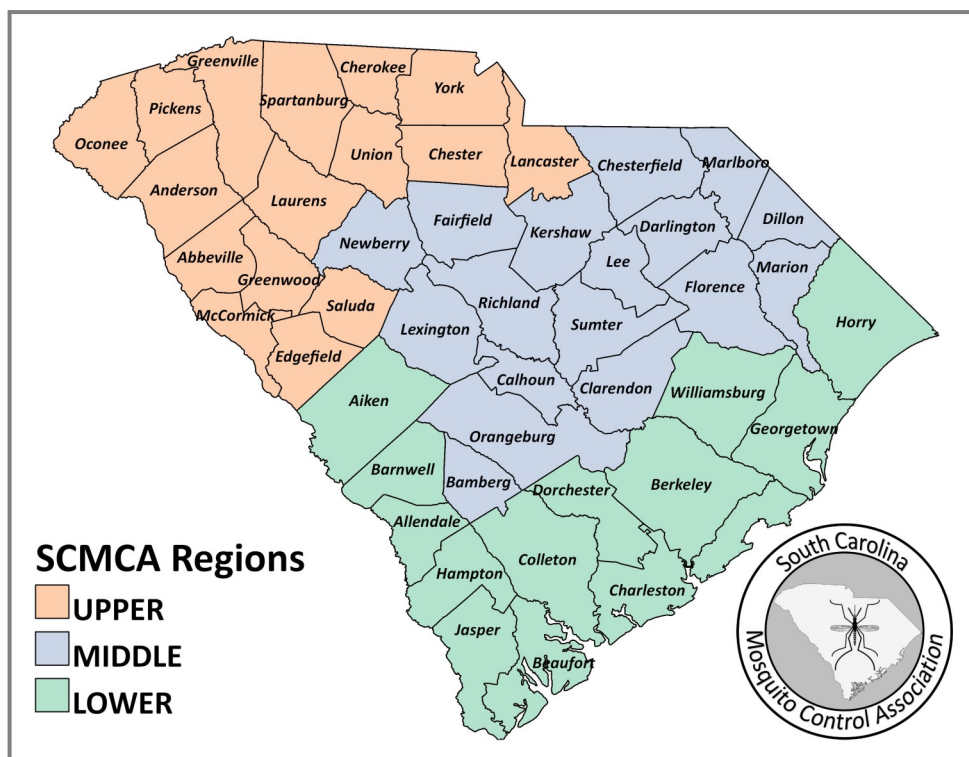


**Williamsburg Air Service, Inc**

Guy McClary  
(843) 382-8289 office  
(843) 687-3629 cell  
WILLIAMSBURGAIRSERVICE@yahoo.com  
SPRAYING@ftc-i.net

[WWW.WILLIAMSBURGAIRSERVICE.COM](http://WWW.WILLIAMSBURGAIRSERVICE.COM)

# SCMCA Regions & Delegates



**Upper Region:** Amber Leonard

Phone: (864) 596-3327

[leonoras@dhec.sc.gov](mailto:leonoras@dhec.sc.gov)

**Middle Region:** Chelsey Reed

Phone: (803) 576-2427

[reed.chelsey@richlandcountysc.gov](mailto:reed.chelsey@richlandcountysc.gov)

**Lower Region:** James Brock

Phone: (843) 915-6963

[brockja@horrycounty.org](mailto:brockja@horrycounty.org)

## Upper Region

### City of Gaffney

Barry Bundy with the City of Gaffney stated that this season was very mild compared to last. They were able to spray once per month during the season and staffing was affected due to COVID-19.

### Greenwood County Lake Management

Julie Davis with Greenwood County Lake Management stated that field staff have been able to continue working normal hours during the COVID-19 pandemic. Lake Greenwood remained at normal levels during the summer. Altosid briquette treatments and dipping counts were conducted throughout the season. Very few complaints were received this season.

### City of Fountain Inn

Lori Cooper with the City of Fountain Inn stated that COVID-19 has affected all programs and the shortage of employees at times has created routes to be behind. No complaints were received this season and mosquitoes were not as active as the previous year. They have continued to use Biomist which has worked well.

## Middle Region

### Calhoun County

Ron Gibson informed that it's been a slow season with mosquito complaints below average. There were two main hatch-offs, early in the season and again in late summer. Since he had to take over the Environmental Services department, he was unable to trap this season but larvicided very heavily.

### Lexington County

As of July 1st 2020, Lexington County Vector Control is now under Lexington County Building Services Department. We have a new employee, John Matthews, for the Field Tech 1 position. With COVID-19, we are working split shifts, wearing facial masks, etc. We are doing what we can to help control the mosquito population by checking ditches, removing abandoned tires from our roadsides etc. I am looking forward to when we can attend meetings again.

David Mitchum

### Town of Nichols, Marion County

Sandra Rogers stated that they have one truck and a certified sprayer but the truck was down for the first part of the summer so they were unable to spray. They did not larvicide and as it is a small town situated between two rivers, they were inundated with mosquitoes.

### Richland County

We missed the summer workshop this year like everybody else and we're sorry that it could not be held, but completely understand. Staff have been working adjusted schedules, some from home, due to the pandemic. Overall, the season was normal until October when we had a major hatch-off in the lower portion of the county with large numbers of *Psorophora* and *Aedes* species which resulted in larviciding and adulticiding frequently. We continued trapping for Dr. Evans throughout the season and fortunately had no positive pools for WNV. We are currently in the process of finalizing our biennium budget. We were unable to hire any additional staff and got by with the group we have. We are hoping that next year we will be able to hire and fill the vacancies. We look forward to things returning to a more "normal state"!

Tammy Brewer

## **Middle Region**

### **Town of Turbeville, Clarendon County**

Ellis Evans stated that they have not done any larviciding or trapping, only adulticiding when necessary due to high number of complaints.

### **Town of Whitmire, Newberry County**

No mosquito control this season due to broken equipment.



## Lower Region

### Beaufort County

Beaufort County Mosquito Control (BCMC) has been fortunate enough to continue operating during COVID-19, while still following social distancing protocols. We were also fortunate to not have any reported mosquito-borne diseases this year. The last half of the 2020 mosquito season has been less active than last year with average mosquito collections and service request numbers down. This year started off more active than 2019, but the trend did not continue past May.

Our Chief Pilot position is still vacant, so our fixed-wing aircraft (OV-10 Bronco) was not available for aerial adulticiding. As a result, an aerial spray system was built and installed onto our MD500 helicopter. Our team has Chatham County Mosquito Control to thank for the design and technical advice. COVID-19 delayed the finished product longer than we anticipated, but we were able to complete the build in October and have completed our preliminary tests. The system will be ready for the 2021 mosquito season.

BCMC has added some new equipment to our surveillance and laboratory arsenals. We purchased six BG-Counters to increase our surveillance capabilities and they've already paid for themselves in terms of data collection costs. We also began using CoDiagnostics' North American Mosquito East (NAM-e) multiplex real-time RT-PCR kit for in-house mosquito testing. This allows us to test for West Nile virus (WNV), Eastern Equine encephalitis (EEE) virus, and St. Louis encephalitis (SLE) virus, at the same time.

We've also added two new employees to our team this year. Tim Miller joined our field crew this December and Andi Everett joined our team in August as the new Administrative Assistant.

Robert Cartner

### Berkeley County

Our mosquito season this year brought few surprises. It was probably the most normal thing about 2020. We had our usual spring hatch-off that we were able to take care of fairly easily. We did benefit from having a few of our day shift employees temporarily working a late night shift, in order for us to better practice social distancing during the period of lockdowns that was occurring at the time. This gave us the ability to send out a few more spray trucks every night. Apart from conducting an aerial spray mission in parts of the Wando and Daniel Island areas in early June, summer was pretty quiet until around September when we had some more hatch-offs of flood-water species. A few employees worked overtime so that we could spray more areas every night, and the mosquito population returned to acceptable levels in October. There was a lot of standing water around the county in November, and there still is, but through standard larviciding practices, helped by the colder weather, we did not see any more significant hatch-offs.

Andrew Starland



## Lower Region

### Charleston County

From June through November, the Charleston region was heavily affected by the rain produced by nine named tropical cyclones (one post-tropical cyclone and eight tropical storms/hurricanes). These storms, in addition to typical rain shower/thunderstorm events, one large weather front, many much higher than predicted high tide events, and an unusually warm month of October, made for a very active mosquito season in the county. Over 100,000 acres of ULV truck spraying was carried out each month, June through October. More than 2,000 acres were aerially larvicided in each of those as well. Despite the precipitation deposited by Tropical Storm Eta, due to lowering temperatures (16 days of nighttime low temperatures of 55 degrees or below), the diapause effect on the salt-marsh species, and the comprehensive standing water coverage of potential breeding sites by October's rain and tide events, November experienced a dramatic decrease in both larval and adult mosquito activity and treatment efforts.

Ed Harne

### Georgetown County

The Georgetown County Mosquito Control Program experienced a significant increase in spray requests throughout the 2020 spray season over seasons past. The COVID-19 pandemic could be the cause of part of the increase, forcing families to eat at home and have backyard BBQs. Georgetown County Mosquito Control introduced two new Mosquito Control Inspectors, Karen Johnson and Roban Mears, to the Division for the 2020 season. They strategically scheduled the maximum number of truck routes each week to meet the increase in demand. In contrast, Beekeepers in Georgetown County were assured that the increase in truck spraying would not affect their hives. Mosquito Control personnel stepped up efforts to identify all Beekeepers located throughout the County. Staff placed "Do Not Spray" signs near the hives to alert the Spray Truck Drivers to turn off their sprayers. The drivers were given a list of the addresses of all Beekeepers on their spray routes and the locations of the hives marked on their spray route maps. The Beekeepers were placed on a "Call Before an Aerial Spray" list to notify them when an aerial spray operation was scheduled. This notification would allow the beekeepers enough time to protect their hives before the application. County personnel were thanked by many of the beekeepers for the success of the program this year.

Tracy Jones

## **Lower Region**

### **Horry County**

Hi everyone, what a crazy year 2020 has shaped up to be, COVID-19 has really changed the way we do a lot of things now in Mosquito Control. We had a really wet winter, spring and summer. We saw an increase in our service request this year and several cases of Triple E as well. Our county continues to grow at a rapid pace and I am sure that we will have to adjust our program in the coming months to adapt to the increase in population. I hope that 2021 sees us returning to some kind of normalcy. Stay safe everyone and Happy Holidays to all.

James Brock

### **City of North Myrtle Beach**

Well, 2020 was quite the year. The City of North Myrtle Beach had one of the biggest budget cuts in its history due to COVID-19. Mosquito Control was still required to provide the same service as years past. We had to become creative with ways to save money. We still had a very productive year, getting everything we usually do checked off. 2020 was a very busy year due to the increased rainfall during the winter and daily rainfall during the summer. Complaints increased about 10 percent from 2019. At this time it is a kind of wait and see with respects to what our budget will look like in 2021. I hope everyone is well and COVID-19 ends soon.

Johnny Bruton

# Mid-Atlantic Mosquito Control Association Officers and Board Members Representing SC

**Robert Cartner (President) Beaufort County Mosquito Control 84 Shankin Rd. Beaufort, SC 29906 Phone (843) 255-5800 FAX (843) 255-9428 rcartner@bcgov.net**

Thomas Moran (Vice President) F&W Reg. Mgr. DE Mosquito Control Sect. 2430 Old County Rd. Newark, DE 19702 Office Phone: (302) 836-2555 thomas.moran@delware.gov

Ture Carlson (Vice President Elect) Director, Chatham County Mosquito Control 65 Billy B Hair Drive, Savannah, GA 31408 Phone (912) 790-2545 tacarlson@chathamcounty.org

Timothy DuBois (Past President) City of Portsmouth 2001 Frederick Blvd. Portsmouth, VA 23704 Phone (757) 393-8666 FAX (757) 393-8282  
duboist@portsmouthva.gov

Andy Kyle (Secretary-Treasurer) 2471 Mayfield Street York, PA 17406 Phone (717) 346-8241 FAX (717) 346-8591 akyle@pa.gov

**Special Davison (South Carolina State Director) S.C. Dept. of Health & Env. Control 8500 Farrow Rd. Building 17 Columbia, SC 29203 Phone (803) 422-0630 FAX (843) 896-4239 davisosl@dhec.sc.gov**

**Sue Ferguson (Historian) SC DHEC Environmental Health Services (retired) Phone (803) 732-1141 fergussc@bellsouth.net**



## Web Resources

Resource	Website
American Mosquito Control Association	<a href="http://www.mosquito.org/">http://www.mosquito.org/</a>
CDC Division of Vector-Borne Diseases	<a href="http://www.cdc.gov/ncezid/dvbd">http://www.cdc.gov/ncezid/dvbd</a>
CDC Zika Virus Information	<a href="http://www.cdc.gov/zika/">http://www.cdc.gov/zika/</a>
Clemson University CEU Search (See <i>your</i> information)	<a href="http://regfocus.clemson.edu/dpr/ncommercial.htm">http://regfocus.clemson.edu/dpr/ncommercial.htm</a>
Clemson University Cooperative Extension Beekeeping	<a href="http://www.clemson.edu/extension/beekeepers/">http://www.clemson.edu/extension/beekeepers/</a>
Clemson University Department of Pesticide Regulation	<a href="http://regfocus.clemson.edu/dpr/">http://regfocus.clemson.edu/dpr/</a>
EPA Insect Repellents: Use and Effectiveness	<a href="http://cfpub.epa.gov/oppref/insect/">http://cfpub.epa.gov/oppref/insect/</a>
Florida Medical Entomology Laboratory (+ID Guide)	<a href="http://fmel.ifas.ufl.edu/">http://fmel.ifas.ufl.edu/</a>
Florida Mosquito Control Association	<a href="http://www.floridamosquito.org/Home/">http://www.floridamosquito.org/Home/</a>
Mid-Atlantic Mosquito Control Association	<a href="http://www.mamca.org/">http://www.mamca.org/</a>
NC Mosquito and Vector Control Association	<a href="http://www.ncmvca.org/">http://www.ncmvca.org/</a>
SC DHEC Mosquitoes in South Carolina	<a href="http://www.scdhec.gov/mosquitoes">http://www.scdhec.gov/mosquitoes</a>
SC DHEC Reporting Dead Birds in South Carolina	<a href="http://www.scdhec.gov/birdtesting">http://www.scdhec.gov/birdtesting</a>
SC DHEC Zika Virus Information	<a href="http://www.scdhec.gov/zika">http://www.scdhec.gov/zika</a>
Society for Vector Ecology	<a href="http://www.sove.org/">http://www.sove.org/</a>
South Carolina Aquatic Plant Management Society	<a href="http://www.scapms.org/">http://www.scapms.org/</a>
SC Bee Keeper Association (Local assoc. links)	<a href="http://www.scstatebeekeepers.org/">http://www.scstatebeekeepers.org/</a>
SC Mosquito Control Association	<a href="http://www.scmca.net/">http://www.scmca.net/</a>
USGS (Arbovirus Disease Maps)	<a href="http://diseasemaps.usgs.gov/mapviewer/">http://diseasemaps.usgs.gov/mapviewer/</a>



## 2020 SCMCA TECHNICIAN OF THE YEAR AWARD

Nominee: \_\_\_\_\_ Date: \_\_\_\_\_

***PLEASE ADD A BRIEF BIO ON THE BACK OF THIS FORM***

Jacket Size: \_\_\_\_\_

County/State Program: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Job Title: \_\_\_\_\_

Supervisor: \_\_\_\_\_ Phone/Email: \_\_\_\_\_

***WRITE A BRIEF SUMMARY SUPPORTING YOUR NOMINEE FOR THIS AWARD. (In your nomination, be specific – who, what, when and where. Attach a letter or other supporting material if needed.)***

---

---

---

---

### Guidelines for Selection:

1. Consistent and excellent performance with efforts above and beyond expected duties
2. General knowledge of mosquito biology
3. Service to community
4. Positive attitude: enthusiasm, pride in work
5. Team Player
6. Must be a member of the association in good standing

Please complete this form and return to:

Tammy Brewer  
Richland County Vector Control  
400 Powell Road  
Columbia, SC 29203  
Phone: (803) 576-2425  
Email: [brewer.tammy@richlandcountysc.gov](mailto:brewer.tammy@richlandcountysc.gov)

**DEADLINE FOR SUBMISSION:**  
February 1, 2021



**SOUTH CAROLINA MOSQUITO CONTROL ASSOCIATION, INC.**

**Attn: Olin Towery, Secretary Treasurer**

**Richland County Vector Control**

**400 Powell Road**

**Columbia, SC 29203**

**OFFICE PHONE: (803) 576-2428**

**FAX: (803) 576-2498**

**MEMBERSHIP APPLICATION**

**NAME:**

\_\_\_\_\_

**ORGANIZATION:**

\_\_\_\_\_

**ADDRESS:**

\_\_\_\_\_

\_\_\_\_\_

**WORK PHONE:**

\_\_\_\_\_

**FAX:**

\_\_\_\_\_

**E-MAIL:**

\_\_\_\_\_

**TYPE OF MEMBERSHIP/ DUES (Renewal due at Annual Meeting)**

<b>Active Member</b>	<b>\$ 10.00</b>
<b>*Sustaining Member</b>	<b>\$150.00</b>

**\*Includes one active membership**

Please make checks payable to SCMCA and return to Olin Towery at the address above.

**For Office Use Only:**

Region: Upper / Middle / Lower

Amount Paid \$ \_\_\_\_\_ Date Paid: \_\_\_\_\_ ☐ Check # \_\_\_\_\_ ☐ Cash

# 2020 SCMCA Board of Directors

**President:** Larry Motes, BCE  
Board Certified Entomologist  
Director of Sales—East  
Zoecon Professional Products  
Phone: (864) 420-3927  
[lmotes@central.com](mailto:lmotes@central.com)

**Vice-President:** Special Davison  
FEMA Grant Specialist  
SC Emergency Management Division  
2779 Fish Hatchery Road  
West Columbia, SC 29172  
Phone: (864) 266-8859  
[specialdavison@gmail.com](mailto:specialdavison@gmail.com)

**Secretary-Treasurer:** Olin Towery  
Richland County Vector Control  
400 Powell Road,  
Columbia, SC 29204  
Phone: (803) 576-2428  
[Towery.Olin@richlandcountysc.gov](mailto:Towery.Olin@richlandcountysc.gov)

**Upper Region:** Amber Leonard  
Environmental Health Manager  
SCDHEC—EA Spartanburg  
151 East Wood Street,  
Spartanburg, SC 29303  
Phone: (864) 596-3327  
[leonaras@dhec.sc.gov](mailto:leonaras@dhec.sc.gov)

**Middle Region:** Chelsey Reed  
Richland County Vector Control  
400 Powell Road,  
Columbia, SC 29204  
Phone: (803) 576-2427  
[reed.chelsey@richlandcountysc.gov](mailto:reed.chelsey@richlandcountysc.gov)

**Lower Region:** James Brock  
Horry County Mosquito Control  
4401 Privetts Road,  
Conway, SC 29526  
jPhone:(843) 915-6963  
[brockja@horrycounty.org](mailto:brockja@horrycounty.org)

**At-Large:** Steve Molnar  
Vector Control Sales Rep  
Target Specialty Products  
5785 Brook Hollow Parkway,  
Suite C  
Norcross, GA 30071  
[steve.molnar@target-specialty.com](mailto:steve.molnar@target-specialty.com)

**Past President:** Trey Reed  
SCDHEC – Midlands Health Region  
Richland County Health Department  
2000 Hampton Street,  
Columbia, SC 29204  
Phone: (803) 576-2770  
[reedhm@dhec.sc.gov](mailto:reedhm@dhec.sc.gov)

**Historian:** Tammy Brewer  
Richland County Vector Control  
400 Powell Road,  
Columbia, SC 29204  
Phone: (803) 576-2425  
[brewer.tammy@richlandcountysc.gov](mailto:brewer.tammy@richlandcountysc.gov)

**SCMCA Website:**

[www.scmca.net](http://www.scmca.net)

**SCMCA E-Mail:**

[scmosquitocontrolassociation@gmail.com](mailto:scmosquitocontrolassociation@gmail.com)

## SCMCA – Promoting Mosquito Control in South Carolina

### *The Landing Rate Count*

**SC Mosquito Control Association**  
c/o Richland County Vector Control  
400 Powell Rd  
Columbia SC 29204

PLACE  
STAMP  
HERE