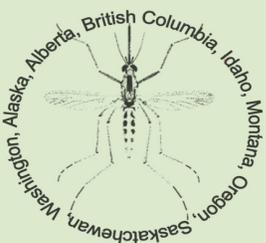




# Vector News

A publication of the Northwest Mosquito and Vector Control Association

Summer 2017



## Presidents Message

### 2017 Annual Meeting in Whitefish, Montana Coming Soon!

Dear NWMVCA Members and Guests,

Like many of you, I was eager to get this season started after the long winter. I have been presented with a series of obstacles this year that had never previously occurred. Each event introduced a new challenge and a new learning experience. It made me reflect on how impossible it is to quantify mosquito control efforts. We work hard every day to prevent the spread of vector-borne disease, and it will look different every year. This makes it difficult to compare one year to the next. Instead, let's focus on what we did learn and how we improved our approaches. What a better time to reflect than at our annual fall meeting!



I would like to invite you to the 56<sup>th</sup> Annual Conference of the NWMVCA. It starts the evening of October 4<sup>th</sup> through the morning of October 6<sup>th</sup> at Grouse Mountain Lodge in beautiful Whitefish, Montana. Take this opportunity to swap stories of your season, learn from others' experiences, and get up close and personal with the gorgeous northern Rocky Mountains. If you have something you would like to share with the group, please contact me to get on the agenda.

Looking forward to seeing you there.

**Annie Belchik-Moser**  
**Acting President, NWMVCA**

#### Points of Interest

- Presidents Message
- Executive Directors Message
- NWMVCA Fall Meeting Information
- State and Provincial Reports
- Annual Meeting Registration Forms

#### NWMVCA SUSTAINING MEMBERS

- Adapco, Inc.
- AMVAC
- Bayer
- Benton County MCD
- Canyon County MAD
- Central Life Sciences
- Clarke
- Electronic Data Solutions
- Gem County MAD
- Jackson County VCD
- Morrow BioScience Ltd
- Univar USA
- Valent BioSciences
- Vector Disease Control Int
- West Umatilla MCD

## Executive Director's Report

Greetings NWMVCA Members,

I hope everybody in the Northwest is having a great season. As I am writing this, we are experiencing our second extended period of triple digit weather in 2017 here in Eastern Oregon and the forecast predicts temperatures to go up to 110 degrees this week. Here at the West Umatilla Mosquito Control District, we have had a very interesting year so far. The extremely long and wet winter left behind an abundance of water throughout the region. This led to a very active spring with nuisance mosquitoes hatching out throughout the district. At one point, we had more calls in a two day period than we had all of last year. Once we finished up with that, West Nile virus was found in a mosquito sample on June 21<sup>st</sup>, earlier than we have ever recorded it in the past. Fortunately, all 175 samples collected since have been negative. Mosquito populations are now very low within the district and our crews are working diligently to keep it that way, but it looks like it could be a very long and expensive season if the heat continues.

I would like to thank the Executive Committee for appointing me as the latest Executive Director of the NWMVCA. I have served this group in many different capacities over the years and am very much looking forward to the challenges that come along with serving in this role. I have been working hard with other members of the Committee to do the daily work it takes to run the association as well as working to ensure the upcoming fall conference in Whitefish is a success. I hope to see you all there!

Finally, I would like to sincerely thank Jason Kinley for all of the work he has done on behalf of the Association as the Executive Director and for all the work he continues to do on behalf of all of us in the industry while fulfilling his duties with the AMCA. He works extremely hard traveling around the country trying to improve the mosquito control industry while simultaneously running a successful program and deserves to be commended by everybody that works in our field. I believe he will be the first AMCA President from the Northwest and couldn't be more pleased that he is representing us and our interests on the national level.

Have a safe and successful rest of the season and I look forward to seeing all of you in Whitefish!

**Randy Gerard**  
Executive Director, NWMVCA

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**Check It Out!**

We are on the web at:

[www.nwmvca.org](http://www.nwmvca.org)**NWMVCA  
OFFICERS:****PRESIDENT**

Vacant

**PAST PRESIDENT**

Jim Lunders

**PRESIDENT-ELECT**

Annie Belchik-Moser

**VICE PRESIDENT**

David Herter

**EXECUTIVE DIRECTOR**

Randy Gerard

**SECRETARY/TREASURER**

Janie Cuellar

**EDITOR**

Randy Gerard

**AMCA REP:**

Vacant

## Call for Distinguished Service Award Nominations

Each year the NWMVCA President has the honor of recognizing one of our members with the Distinguished Service Award. If you know of a member who you feel deserves special recognition for their dedicated service to the Association, please nominate them so that the Association can show them our appreciation. Nominations should be sent to the NWMVCA President-Elect at [amoser@gcmcd1.org](mailto:amoser@gcmcd1.org) by September 1, 2017.

### NWMVCA Distinguished Service Award Recipients

<b>Tom Haworth 2016</b>	<b>Randy Gerard 2009</b>	<b>Doug Johnson 2002</b>
<b>Dennis Candito 2015</b>	<b>Curtis Fediuk 2008</b>	<b>Greg Barron 2001</b>
<b>Jason Kinley 2014</b>	<b>David Sullivan 2007</b>	<b>Gayle Fellows 2000</b>
<b>Jim Lunders 2013</b>	<b>Tom Haworth 2006</b>	<b>Ron Montgomery 1999</b>
<b>Angela Beehler 2012</b>	<b>Jim Lunders 2005</b>	<b>Steve Ingalls 1998</b>
<b>Kevin Shoemaker 2011</b>	<b>Jim Thompson 2004</b>	<b>Peter DeChant 1997</b>
<b>Janice Stroud 2 010</b>	<b>Bob Shannon 2003</b>	

**Check It Out!**

We are on the web at:

www.nwmvca.org

**NWMVCA  
OFFICERS:****PRESIDENT**  
Vacant**PAST PRESIDENT**  
James Lunders**PRESIDENT-ELECT**  
Annie Belchik-Moser**VICE PRESIDENT**  
David Herter**EXECUTIVE DIRECTOR**  
Randy Gerard**SECRETARY/TREASURER**  
Janie Cuellar**EDITOR**  
Randy Gerard**AMCA REP:**  
Vacant**Be Sure to Register  
for the NWMVCA Annual Fall Meeting  
at The Grouse Mountain Lodge in Whitefish, Montana****LODGING INFORMATION****October 4th-6th, 2017**

- Welcome Reception will be the evening of Wednesday, October 4th.
- The meeting will run all day on Thursday, October 5th followed by the Awards Banquet
- The program on Friday, October 6th will be a half day adjourning by noon.

**Please make reservations before September 1st****Room Rates -**

\$103/ Night - Standard Room

\$113/Night- Nordic/Golf View Room

\$143/Night— Corner Suite

All rooms are subject to a 11% tax. An additional \$15 will be charged for rooms with triple occupancy

For Reservations, Use the information below:

**Grouse Mountain Lodge**

Reservation Code: Northwest Mosquito and Vector Control Association

**1-406-892-2525**

## State and Provincial Reports

### Washington Report:

#### 2017 West Nile Virus Activity in Washington

Humans: **1 out-of-state acquired**

Horses: **0**

Birds: **0**

Mosquito Samples: **8**

#### [West Nile Virus Surveillance Maps and Statistics.](#)

For the end of July, things are quiet around Washington. Benton County Mosquito Control (BCMC) is the only district that has confirmed West Nile virus (WNV) activity, and most of those mosquitoes came from same general area near Grandview, WA. Grandview is in Yakima County, but within the Benton County Mosquito Control District. Due to the high numbers of mosquitoes produced in this location just outside the county line, it made sense for the District to make the annexation in 1992.

A “hot spot” for WNV activity since 2008, Byron Ponds/Grandview Sewage Lagoons is made up of permanent ponds with high organic content, in the desert (hot!), surrounded by agricultural areas (harborage/birds). It’s a perfect storm for mosquitoes, and dangerous for field staff because of the abundance of rattlesnakes.

In an effort to keep the mosquito populations at bay, BCMC has been larviciding aerially with VectoMax at 10-20 lbs. per acre every three weeks. After each positive test, truck-mounted foggers are used where possible spraying Anvil 10+10, and we conducted two aerial applications of naled in July. There is limited access to development sites by ground, but the larviciding coverage seems to be adequate by air.

Residents living near the locations that test positive for the virus receive a visit from the BCMC lab staff and a handout describing preventative measures and the risk of infection. (See image)

**MoMS** - If you are looking for something good to be produced in Washington this fall, ask me about Columbia Valley wines, fruit, and the Mosquito Management System (MoMS). Franklin County MCD and Benton County MCD are working collaboratively on a program to improve communications between the office and the field, record keeping, reporting, and efficiency. The final product will include modules for storm drain applications, larviciding, handouts/notifications, service requests, barrier treatments, source reduction, Gambusia deliveries, and surveillance.

Kevin Shoemaker will be giving a presentation on MoMS at the Fall Conference; hope to see you there.

**Franklin County** is trying something else new this year. They are surrounding wastewater ponds at potato processing facilities with Mosquito Magnets® to contain the adult mosquitoes. If it is effective, it will be more cost effective than regularly treating the highly polluted water.

#### West Nile Virus Has Been Detected In Your Area

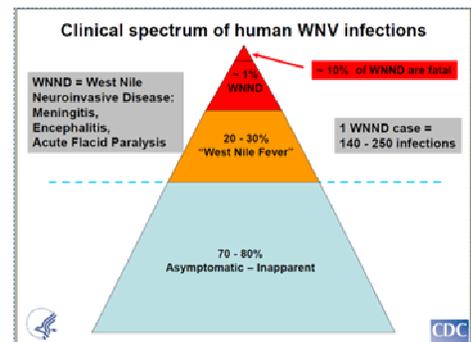
The Benton County Mosquito Control District performs both monitoring and testing of adult mosquitoes.

The purpose of this is to give an “early-warning” system for presence of mosquito borne illnesses, like West Nile virus.

This monitoring and testing has confirmed that mosquitoes in the area are carrying West Nile virus.

The District recommends that you follow the 5 “D’s”

- Avoid **Dusk-to-Dawn**, when mosquitoes are most active.
- **Drain** standing water around your property.
- **Dress** in long sleeves and long pants when feasible.
- Wear repellent containing **DEET** or other CDC approved mosquito repellents (e.g. picaridin, IR3535, etc).



West Nile virus is established within the District; it is vitally important that you follow the 5 recommendations listed above. If you have any questions, please contact us at #967-2414 or [www.MosquitoControl.org](http://www.MosquitoControl.org).

**Camano Island Mosquito Control** started a program using a drone to locate new mosquito sites and monitor existing sites. Jay Lawrence, District Manager, says he is “not able identify the presence of larvae, but can see whether there is water present or not.” This helps him to identify changes to areas due to tidal influence, and document the changes with aerial photos.

The photos taken with the drone have been useful to show the mosquito board what is monitored and treated. They provide a view of the difficulties encountered in the field, and are used in public displays and presentations to educate people as to why there are still mosquitoes even though they have a mosquito control district. Jay reports that “in the short time I’ve used it this season the drone has already paid for itself in finding new mosquito sites and time savings in my surveillance. I’m hoping that soon I’ll be able to do my larvicide treatments using a drone as well!”

**New Districts** – Existing mosquito control programs throughout Washington are fielding quite a few calls this season from individuals in communities without service seeking mosquito control. Hopefully some of these folks are motivated to petition their county commissioners for a new mosquito control district. Benton County MCD has put together a packet of information on the regulations for starting a new district in Washington, if anyone is interested in this information, contact [admin@mosquitocontrol.org](mailto:admin@mosquitocontrol.org).

Angela Beehler

NWMVCA Washington Representative

## More News From Washington:

### **Franklin County Mosquito Control District, Pasco WA.**

Vector Ecologist, Douglas Manukure has begun testing the efficacy of Mosquito Magnets CO2 baited traps in Franklin County. Doug has placed seven Mosquito Magnet Independence Traps around the Lamb Weston wastewater ponds in Connell, Washington. The District is hoping to ascertain if the traps will collect enough adult mosquitoes to justify their cost and the labor involved in maintenance. Doug collects and replaces the catch bags weekly and refills the propane tanks every third week. To date the units have been catching a significant number of mosquitoes and are having a positive impact lowering the counts in historical traps in the area. The District is challenged in controlling the mosquito larva (exclusively *Culex pipiens*) that are produced in the twelve, one to two acre waste ponds due the beds of cattails used to filter the water and the immense number of gallons being pumped through before it can be discharged over the surrounding fields. Doug will continue to maintain the traps throughout the season and compare his historical trap data over the last number of seasons compared to 2017 and determine if the Mosquito Magnets traps are worth the costs and time needed to continue to use them in seasons to come.

## Past President Update

**You are the NWMVCA!** Yes, **YOU**, the individual reading this article **ARE** the Northwest Mosquito and Vector Control Association. Ok, maybe it isn't just you, but it definitely is a whole bunch of you's. All of those individuals who chose to pay their dues are members of the NWMVCA, but you aren't just a member, the NWMVCA is its members.

It may seem strange, but the work of the association is performed solely by volunteers. Unlike many large associations around the country, we have no employees. The board and committee members are all volunteering their time to see that the day to day operation of the Association are carried out. This is often a thankless job, and I assure you that these individuals receive far more complaints than thanks despite their dedication to the association and the industry.

As the fall meeting rapidly approaches, I challenge all of you, the members, to make the NWMVCA better. We can all probably think of something about the Association we like to complain about, now is the time for you to sit down and think about some possible solutions. Let your State/Provincial Representative (a volunteer) know what you would like to see changed, so it can be discussed by the Board (all volunteers) and be addressed. Think about volunteering to serve on a committee or help with a special project.

The NWMVCA is a powerful resource for your program and your voice on state, regional and federal mosquito control issues. Please remember we are our members, without **YOU** we will cease to exist.

**Jim Lunders**

**Past President**

**Northwest Mosquito and Vector Control Association**

## Northwest Mosquito and Vector Control Association 2017 Annual Meeting Registration Form

**Grouse Mountain Lodge  
2 Fairway Drive  
Whitefish, MT 59937**

**October 4-6, 2017  
Please use one form per person.**

-----  
Name Agency

-----  
Address City State Zip

-----  
Phone number Email

- |  |              |                 |
|--|--------------|-----------------|
| <input type="checkbox"/> <b>NWMVCA Member Registration</b><br>(Includes receptions, breaks, and banquet) | <b>\$150</b> | \$ _____        |
| <input type="checkbox"/> <b>Non- Member Registration</b>   | <b>\$200</b> | \$ _____        |
| <input type="checkbox"/> <b>Guest Registration</b><br>(Includes receptions and banquet)                  | <b>\$120</b> | \$ _____        |
| <input type="checkbox"/> <b>Invited Speaker Registration (pre-approved by program director)</b>          | <b>\$0</b>   | \$ _____        |
| <input type="checkbox"/> <b>Extra Banquet Ticket</b>   | <b>\$60</b>  | \$ _____        |
| <input type="checkbox"/> <b>Late Registration Fee (after September 22nd)</b>                             | <b>\$50</b>  | \$ _____        |
| <input type="checkbox"/> <b>NWMVCA Annual Membership</b>   | <b>\$25</b>  | \$ _____        |
| <input type="checkbox"/> <b>NWMVCA Sustaining Membership (includes one membership)</b>                   | <b>\$250</b> | \$ _____        |
|  | <b>TOTAL</b> | <b>\$ _____</b> |

**Payment enclosed**       **Will pay at the door (cash, check, charge)**       **Bill me later**

**Refund Policy:**

Registration fees will not be refunded unless a request is made prior to September 20, 2016

Please return this form to:

Northwest Mosquito and Vector Control Association (NWMVCA)  
C/O: Janie Cuellar, 3005 S. First St., Hermiston, OR 97838  
FAX (866) 564-8254 or EMAIL to [janie.cuellar@wumcd.org](mailto:janie.cuellar@wumcd.org)

**Make Checks Payable to: Northwest Mosquito and Vector Control**

**Northwest Mosquito and Vector Control Association  
2017 Annual Meeting Vendor Registration Form**

**Grouse Mountain Lodge  
2 Fairway Drive  
Whitefish, MT 59937**

**October 4-6, 2017**

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Company

Representative

Additional Registrants

Address

City

State

Zip

Telephone

Fax

Email Address

	Members	Non-Members	
<input type="checkbox"/> Vendor Booth Registration <b>Includes 1 Registration</b>	\$250	\$500	\$_____
<input type="checkbox"/> Additional Company Registrant (each)	\$150	\$200	\$_____
<input type="checkbox"/> Guest Registrant	\$120		\$_____
<input type="checkbox"/> NWMVCA Sustaining Membership	\$250		\$_____
		<b>TOTAL</b>	\$_____

Payment enclosed

Will pay at the door (cash, check, charge)

Bill me later

**Refund Policy:**

Registration fees will not be refunded unless a request is made prior to September 22, 2017

Please return this form to:

Northwest Mosquito and Vector Control Association (NWMVCA)

C/O: Janie Cuellar, 3005 S. First St., Hermiston, OR 97838

FAX (866) 564-8254 or EMAIL to [janie.cuellar@wumcd.org](mailto:janie.cuellar@wumcd.org)

**Make Checks Payable to: Northwest Mosquito and Vector Control**