

# Chiloquin Vector Control District

## Klamath County, Oregon

JB Brown, Elliot Fox, Dennis Jefcoat, Tim McDermott, Albert Wilder  
140 S 1<sup>st</sup> Street, Chiloquin Community Center Conference Room  
Mailing address PO Box 860, Chiloquin, Oregon 97624 541 274 0132  
Email: [cvcddistrict@gmail.com](mailto:cvcddistrict@gmail.com) Web page: [www.chiloquinmosquito.org](http://www.chiloquinmosquito.org)



## CVCD Board of Trustee Meeting Agenda

Meetings called to order at 6:30PM

June 28, 2023

**Public meeting notices given:** Meeting notices are posted in the Chiloquin Community Center public notice board, announced in the Chiloquin News at [chiloquinnews.com](http://chiloquinnews.com), Notice on CVCD web page: [chiloquinmosquito.org](http://chiloquinmosquito.org), printed in the Friends of the Library Community Calendar and regularly printed in the Herald & News.

**Meeting Rules and Regulations:** The public is invited to address the Board at the end of the meeting unless the Presiding Officer asked for or accepts public discussion on any agenda item. Time limit shall be 3 minutes per speaker or 30 minutes total for all public comments. Legal issues cannot be discussed unless our legal council is present. Meeting minutes are maintained by sound recording per ORS 192.650(1). USB thumb drive MP3 format copy of individual meetings available upon request when accompanied by a payment of a \$25.00 payable to the CVCD and completion of the CVCD Freedom of Information Act request form available on our web page. The district does not provide written minutes of meetings.

### Roll call of Trustees

### Treasurer's Monthly Report

Financial statement balances as of May 30, 2023

Original documents on file with Treasurer & available to Board members

Umpqua bank account checking .....	\$ 4,482.39
State LG money market account .....	\$132,228.66
<b>Total amount of funds available in all district's bank accounts;</b>	<b>\$136,711.05</b>

Deposits to Umpqua Bank	\$7,000.00 LGIF
Deposits to State Account	\$449.06 LGIF Interest
Payments from Klamath County Treasurer:	\$0.00
Other Income	\$449.06 Interest income

**Bills to be paid.**

Three Rivers Mosquito & Vector Control mosquito Control Services 7 of 7	\$6,700.00
Herald & News legal ad for executive session	\$ 124.88
Chairpersons' meeting expenses – food, plates, etc.	\$
Chairpersons' insect identification program yearly cost	\$ 71.88
Chairperson's expense; annual mail box rental fee	<u>\$ 68.00</u>
<b>Total amount of this month's payments to vendors</b>	<b>\$</b>

Discussion and vote to approve Treasurers report, bill paying and transfers of money.

**New and Old Business**

Executive Session to be held after 6:30 PM and end before 7:00PM

Discussion and vote on resolution 23-004 giving authority to the Chairman to negotiate a five-year contract with Three Rivers Mosquito & Vector Control beginning in fiscal Year 2024- 2025.

Discussion and vote to provide a Grant of \$2,500 in the current fiscal year ending June 30, 2023 out of budgeted grant funds to support university students at OIT and other State Colleges in developing guidance systems for agriculture drones used for mosquito control in the United States, refer resolution 23-005

Chairmans Notes: Oregon State Treasurer requested a public depositor verification: meaning our bank & LGIF are on their approved list of banks & institutions for deposit of tax payer funds. The SDIS wanted verification of our LB1 Information for insurance quote information. The Budget was delivered to the Klamath County Assessor & Clerk on May 26. Stamped front page copy in records folder.

Request by the chairman to approve funding for a new UV CO2 light trap to be used in conjunction with our existing CDC CO2 light trap. Expected cost \$1200. Vendor J.W. Hock & Company. Cost to come out of FY 2023-2024 Miscellaneous budget funds.

**Contractors Report**

Report by Edward Horvath TRMVC

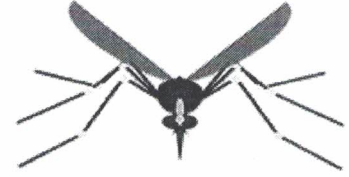
**Public Comments**

**Next scheduled Meeting**

4<sup>th</sup> Wednesday, July 26, 2023 at 6:30PM

**Three Rivers Mosquito and Vector Control**  
651 Market St  
Klamath Falls, OR 97601  
5412382272

# INVOICE



Environmentally Responsible Vector Control

Chiloquin Vector Control District  
P.O. Box 862  
Chiloquin, OR 97624

**Service Address**  
P.O. Box 862  
Chiloquin Vector Control District  
P.O. Box 862  
Chiloquin OR 97624

Vector Control District Chiloquin

Account # 5332  
Invoice # 2023046  
Invoice Date 05/28/2023

**Invoice Total \$6,700.00**

ITEM	DESCRIPTION	COST	QTY	PRICE
	IPM Program Management Monthly payments (March-June 2022)	\$6,700.00	1	\$6,700.00

**Terms**

Payment is due on receipt.

**Subtotal \$6,700.00**

**Total \$6,700.00**

**Notes**

Second half of FY 2022-2023

**Amount Paid \$0.00**

**Amount Due \$6,700.00**

Service Date:

**Past Balance \$0.00**

**Balance Due \$6,700.00**

Environmentally Responsible Mosquito Control

## PAYMENT STUB

Three Rivers Mosquito and Vector Control  
651 Market St  
Klamath Falls, OR 97601

**Customer** Chiloquin Vector Control District  
**Account #** 5332  
**Invoice #** 2023046  
**Invoice Date** 05/28/2023

**Balance Due \$6,700.00**

**Amount Enclosed**



# ADVERTISING PROOF

PO Box 788  
 2701 Foothills Blvd, 97603,  
 Klamath Falls, OR 97601  
**Ph.** (541) 331-6473 **Fax:** (907) 452-5054

BILLING DATE:	ACCOUNT NO:
05/30/23	38295

CHILOQUIN VECTOR DISTRICT  
 PO BOX 860  
 CHILOQUIN, OR 97624

AD #	DESCRIPTION	START	STOP	TIMES	AMOUNT
379332	23283 Executive Meet	06/07/23	06/07/23	2	\$124.88

### Payments:

Date	Method	Card Type	Last 4 Digits	Check	Amount
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Discount:	\$0.00	Gross:	\$124.88
Surcharge:	\$0.00	Paid Amount:	\$0.00
Credits:	\$0.00		

**Amount Due: \$124.88**

*We Appreciate Your Business!*

**Chiloquin Vector Control District Board of Trustees  
Notice of intent to hold an executive meeting  
Per ORS 192.610 (2)(a) & (g) ORS 100.420(B)(ii)  
As part of a regular scheduled CVCD Board meeting**

The Board of Trustees of the Chiloquin Vector Control District gives public notice that it will hold an executive meeting before the start of its regular scheduled meeting of June 28, 2023 at 6:30PM in the Chiloquin Community Center Conference room located at 140 S. 1st Street in Chiloquin Oregon.

It is expected that the meeting will last 30 minutes or less. The meeting will start by 6:30 PM and end by 7:00 PM. The topic of discussion concern matters pertaining to a sole source mosquito control contract for fiscal years 2024 -2025 to 2029 – 2030 (term; five years) negotiations with Three Rivers Mosquito & Vector Control, Edward Horvath proprietor.

No votes will be taken during the executive session meeting. The Board will discuss and vote in public on a resolution pertaining to contract negotiations after the executive session meeting takes place. The public is always welcomed to attend our regular scheduled meeting and speak to the Board members on vector control business and or ongoing contract negotiations with Mr. Edward Horvath, of Three Rivers Mosquito & Vector Control.

#23283 June 7, 2023

# Your Google Play Order Receipt from Jun 23, 2023

From: Google Play (googleplay-noreply@google.com)

To: dennisjefcoat@gmail.com

Date: Friday, June 23, 2023 at 02:16 PM PDT



## Thank you

Your subscription from Next Vision Limited on Google Play has renewed. Manage your subscriptions.

To help keep your subscription active, add a backup payment method.

[Add backup](#)

**Order number:** GPA.3383-0551-3997-76401..11

**Order date:** Jun 23, 2023 2:16:36 PM PDT

**Your account:** dennisjefcoat@gmail.com

Item	Price
→ <u>PictureInsect Premium</u> (1 Month) (Picture Insect: Bug Identifier) Auto-renewing subscription	\$5.99/month

$5.99 \times 12 = 71.88$

Tax: \$0.00

Total: \$5.99/mo

**Payment method:**

Visa-6

5.99 x  
12 =  
71.88 \*

By subscribing, you authorize us to charge you the subscription cost (as described above) automatically, charged to the payment method provided until canceled. [Learn how to cancel](#). Keep this for your records.

Questions? Visit [Next Vision Limited](#).



CHILOQUIN  
228 S 1ST AVE  
CHILOQUIN, OR 97624-9720  
(800)275-8777

06/06/2023 02:01 PM

-----  
Product Qty Unit Price  
Price

-----  
Mail Pickup 1 \$0.00

Tracking #: ~~9261 2927 0058 1700 0031 1517 72~~

Mail Pickup 1 \$0.00

Tracking #: ~~9305 5201 1141 0434 3479 48~~

Mail Pickup 1 \$0.00

Tracking #: ~~9400 1112 0620 3728 7166 40~~

Mail Pickup 1 \$0.00

Tracking #: ~~9200 1901 0518 8262 4677 31~~

Mail Pickup 1 \$0.00

Tracking #: ~~9300 1201 1141 0438 4988 03~~

Box Renewal \$68.00  
ZIP Code™: 97624  
Box #: 860  
Rental Start Date: 07/01/2023  
Next Renewal Date: 06/30/2024  
Customer Name: DENNIE JEF COAT

-----  
Grand Total: \$68.00

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Credit Card Remit \$68.00

Card Name: MasterCard  
Account #: XXXXXXXXXXXX6961  
Approval #: 01748P  
Transaction #: 743  
ATN: A0000000041010

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**RESOLUTION APPROVED BY THE  
BOARD OF TRUSTEES OF THE CHILOQUIN VECTOR CONTROL DISTRICT  
June 26, 2023 Resolution number 23-04**

*A resolution by the CVCD Board of Trustees to appoint the Chairman, Dennis N Jefcoat at the contract negotiator for a sole source vendor, Three Rivers Mosquito and Vector control, Edward Horvath Proprietor in capacity as Chairman of the Contract Review Board for the district.*

**Whereas the Board of Trustees members of the Chiloquin Vector Control District conducted an executive session meeting on June 26, 2023 to determine the contract provisions that are acceptable to the district and its taxpayers.**

**Whereas The Board of Trustees of the Chiloquin Vector Control District declares that Three Rivers Mosquito and Vector Control is the only known mosquito control company that has proven its ability to deliver natural methods of mosquito control at an acceptable cost to the taxpayers of the district.**

**Now therefore the Board of Trustees of the CVCD hereby appoint the Chairman of the Board, Dennis Jefcoat to act as a contract negotiator on behalf of the Board of Trustees of the Chiloquin Vector Control District acting in the capacity as a contract review board per Oregon State law.**

**Adopted on June 26, 2023 in a public meeting of the Chiloquin Vector Control District by majority vote of the Board of Trustees members.**

*Attested to by;*

**Dennis N. Jefcoat Chairman of the Board of Trustees**





16 June 2023

Chiloquin Vector Control District  
P.O. Box 862  
Chiloquin, Oregon 97601

**Re:** Grant Request for UAV/drone upgrade research and development

**Background:**

As you have been made aware, the US government has established a ban on Chinese manufactured drones for federal agencies and contracts performed for the Federal government. Since this ban, Florida created a similar restriction for all State and Local government, disallowing these foreign made drones to be used. California currently has a bill on capital hill, proposing similar bans. This is a trend that will continue to affect agencies, including police, fire and even mosquito control districts.

**Problem:**

Three Rivers Mosquito and Vector Control (TRMVC) has been using Unmanned Aerial Vehicles (UAVs), manufactured in China. The program began in 2019, when Chiloquin Vector Control District (CVCD) provided funding to establish a drone program. These drone airframes are great machines; they are fairly sturdy and well made. The issue lies within the computer flight controller. If these flight controllers are replaced with US Government approved flight controllers, these drones will be able to continue service. Currently, there are no upgrades available; the only option is to replace the drones with American made drones, costing in excess of \$65,000. There are hundreds of these agriculture drones in operation around the US, and agencies are looking for a solution without buying whole new drones.

**Solution:**

TRMVC is currently working with professors and graduate students from 1) Oregon Institute of Technology, 2) University of the Pacific, California and 3) University of California, Davis, to create American made upgrade kits, in order to convert Chinese made (DJI) Agricultural spraying drone, to American made computer and flight controllers. These students and professors are currently disassembling one of TRMVC's UAV's in order to research the feasibility of converting the existing flight controllers to approved US flight controllers. Our first phase is to replace the flight controllers of the MG-1S and research and test the system to ensure it operates as it should. The second phase will be to expand on this and develop the conversion kit for the MG-1P.

These upgrade kits will allow TRMVC and other mosquito control agencies, to upgrade their Chinese made drones, to American made flight controllers, and continue to use the current airframes, costing less to upgrade the Chinese made flight controllers to American Made flight controllers, rather than buying completely new UAVs.

**Request:**

TRMVC respectfully requests CVCD's participation in the development of these upgrade kits by providing financial support. We are requesting a grant fund in the amount of \$2,500.00 from CVCD for the first phase of researching and developing the upgrade kits.

Respectfully,

Edward S. Horvath, MPH



**RESOLUTION APPROVED BY THE  
BOARD OF TRUSTEES OF THE CHILOQUIN VECTOR CONTROL DISTRICT  
June 26, 2023 Resolution number 23-05**

*A resolution by the CVCD Board of Trustees to approve tax payer provided grant money for the research and development by Orange State Institute of Technology Students to develop American made drone guidance systems to replace Chinese made guide systems no longer available to US customers and vector districts.*

**Whereas the Board of Trustees members of the Chiloquin Vector Control District where the first in the nation to provide research and development money for deployment of agricultural drones in the United States that are proven to be effective and economical to operate thus saving taxpayers considerable money for mosquito control.**

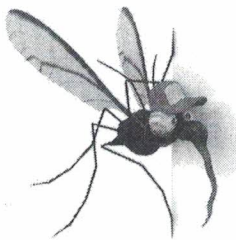
**Whereas The Board of Trustees of the Chiloquin Vector Control District are aware that trade wars between the US and China have caused the elimination of guidance systems for agricultural drones and have grounded our fleet of mosquito control drones.**

**Now therefore the Board of Trustees of the CVCD directs the Chairman and Treasurer to issue a check in the amount of \$2,500 to Three Rivers & Mosquito & Vector Control for the sole purpose of assisting in funding the required research by OIT students to develop an American made drone guidance system. Said research and development technology will be available to all vector districts in the United States.**

Adopted on June 26, 2023 in a public meeting of the Chiloquin Vector Control District by majority vote of the Board of Trustees members.

*Attested to by;*

Dennis N. Jefcoat Chairman of the Board of Trustees



**Chiloquin Vector Control District's**  
**Mosquito complaints logs, light trap logs, do not**  
**treat list, Insect species log, historical records, and**  
**mosquito treatment statistics.**  
**June 18 2023**



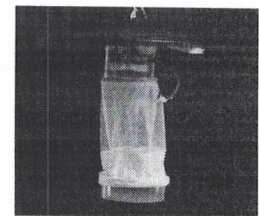
**CVCD Calls for Service Log**

06/01/03	41524 Royal Coachman Dr	Debby Jones	541 591 2588	1
06/01/03	39727 W Hwy 62	Heidi Gilmore	408 807 2116	Services
06/06/23	41524 Royal Coachman Drive	Steve & Debby Jones	541 591 2588	1
06/06/23	1141 Tecumseh Way			1
06/06/03	40162 Braymill Drive	Vickey Concite	542 783 2582	1
06/13. 23	33433 Metate Lane	Mary Buker	503 508 4525	1
06/13/23	728 Friendship	Keith Johnson	951 7419613	1
06/13/23	39220 Hwy 62	Joyce Ramos	541 783 2535	1
06/18/23	40103 Lobart Way	Mike Brown	928 299 0248	1
	<b># OF COMPLAINTANTS 2023</b>			???
	<b>Total Complaints 2022</b>			5
	<b>Total Complaints 2021</b>			1
	<b>Total Complaints 2020</b>			2
	<b>Total Complaints 2019</b>			11
	<b>Total Complaints 2018</b>			5
	<b>Total Complaints 2017</b>			15
	<b>Total Complaints 2016</b>			9
	<b>Total complaints 2015</b>			11
	<b>Total complaints 2014</b>			19
	<b>Total complaints 2013</b>			24

**Average number of yearly mosquito complaints = 10.45**

Note: Covid 19 Virus effected 2020, 2021 results due to social & economic shutdown in the district.

**Standard CDC Light Trap Deployment log**

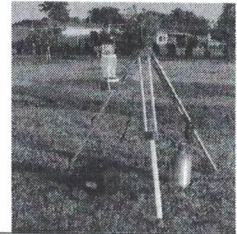


**Replacement value \$500.00 per trap. Trap capable of 16 hours of operation. Traps used to verify mosquito complaints and verify that contract specifications are being complied with by the CVCD Mosquito control Contractor, Edward Horvath, Three Rivers M & V C.**

<b>Date</b>	<b>Location of the light traps</b>	<b>Findings</b>

**CO2 POWERED CDC LIGHT TRAP DEPLOYMENT LOG**

Equipment purchased by the CVCD for deployment on properties that cannot be effectively or legally treated with ULV fogging. Cost for overnight treatment estimated at \$4.25 for CO2 gas. Replacement value estimated at \$1600.00 per trap. The CO2 light Trap specifications: one 10-pound CO2 cylinder; empty weight 16.1 pounds, filled weight about 26.1 pounds. Regulator set to +-10 PSI. Battery has a 32 AMP Hour sealed lead acid battery. Unit equipped with a 12-volt converter to 6 volts DC voltage for longer run times.



June 12 to 16 2023	35200 Modoc Point Road, Camo ground area.	Mosquitos ----- 113
<b>Average mosquito count per hour equals 1.2</b>	The numbers of Mosquitoes decreased each day the trap was deployed.	No-See-Ums ----- 150
		Buzzer Midges ----- 38
		Klamath Midges Green----- 232
		Red Wasp ----- 3
		Others ----- 9

**Trapping results from 2013 to present.**

2023 Mosquito count per hour in all light traps	?
2022 Mosquito count per hour in all light traps	<b><u>Less than 0.25 mosquitoes an hour.</u></b>
2020 & 2021 Mosquito count per hour in all light traps	<b><u>Not measured - Covid 19 issues.</u></b>
2019 Mosquito count per hour in all light traps	<b>1.10 mosquitoes per hour.</b>
2018 Mosquito count per hour in all light traps	<b>0.84 mosquitoes per hour.</b>
2017 Mosquito count per hour in all light traps	<b>0.73 mosquitoes per hour.</b>
2016 Mosquito count per hour in all light traps	<b>0.50 mosquitoes per hour.</b>
2015 Mosquito count per hour in all light traps	<b>0.93 mosquitoes per hour.</b>
2014 Mosquito count per hour in all light traps	<b>1.12 mosquitoes per hour.</b>
2013 Mosquito count per hour in all light traps	<b>2.69 mosquitoes per hour.</b>

The DEQ, EPA, & DOA require a minimum of five (5) mosquitoes per hour for before fogging treatments may legally be applied.

**Species of insects frequently found in CVCD Traps**

**Black dancers, Buzzer Midge, Klamath Green Midge, Common Pug, Indianmeal Moth, Inland floodwater Mosquito (most common in this area), No-See-Ums, Rustic Moths, Red Wasp, Oecetis Ochracea Moth, & the Yellow Fever Mosquito.**

**DO NOT TREAT OR FOG FOR MOSQUITO LIST**

PERSONS WITH ALLERGIES, BEE KEEPERS, & ENVIRONMENTALIST

Jeanette Curtis	40819 Royal Coachman Drive	541 783 2608
Taylor Day & Family	38330 Modoc Point Road	541 892 1503
Selk Family	39727 Hwy 62	Unknown
Jean & Gill Thompson	38530 Skywalker Lane	541 783 2041
Joan Rowe	39560 Modoc Point Rd	541 905 6495
Hugh Mull	38220 Modoc Point Rd	541 891 5791

Patricia Wyden  
Cheryl Hensley

35861 S Chiloquin Rd  
40134 Pine Ridge Rd

208 369 0347  
541 892 4834

### **District's Historical facts.**

District was formed by the citizens of Chiloquin in 1969 due to complaints of mosquito infestation. District has approximately 69 square miles or 364,320 acres with a population of less than 3400 citizens. District operations have an economic effect on more than 500,000 visitors to local area attractions. District has the smallest mosquito control budget in the State of Oregon at \$56,450 for FY 2022 – 2023.

The CVCD mosquito control budget for treating an acre of land equals approximately \$3.35. Incidents of reported mosquito borne diseases in the CVCD equals "0" for 9 years. No other mosquito control district in the State of Oregon has been as successful as the CVCD in controlling mosquito populations and spread of mosquito borne diseases. No other vector district in Oregon has achieved this level of operational/cost efficiency.

**Dennis N. Jefcoat**  
**Chairman of the Board of Trustees of the**  
**Chiloquin Vector Control District**

**Office 541 274 0132. Email: [cvcdistrict@gmail.com](mailto:cvcdistrict@gmail.com). [www.chiloquinmosquito.org](http://www.chiloquinmosquito.org)**