2016 MOSQUITO CONTROL AGREEMENT
BETWEEN THE MARIN/SONOMA MOSQUITO & VECTOR CONTROL DISTRICT
and
THE WEST MARIN MOSQUITO COUNCIL

This Agreement is made on May 11, 2016 between the Marin/Sonoma Mosquito & Vector Control District (hereafter referred to as District) and the West Marin Mosquito Council (hereafter referred to as WMMC).

The WMMC and the District agree to the following protocols to be used in areas of West Marin annexed in 2004 (delineated in the attached map). The WMMC and the District agree to the following:

1. In alignment with the District’s Integrated Vector Management Program (IVMP), primary emphasis will be placed on outreach, education and prevention of mosquito breeding habitat in all forms, including drainage and other standing water issues.

2. To this end, the District will work in cooperation with the West Marin communities and the WMMC to educate residents and business owners about prevention of mosquito breeding.
   a. WMMC will assist communities to coordinate with various groups to provide education and basic screening and sealing of onsite wastewater treatment systems (OWTS), also known as septic systems.
   b. For the first year of this Agreement, the District will provide quarterly reports to WMMC detailing work performed in West Marin. In the subsequent three years, the District will provide annual reports.

3. Per the IVMP, physical and biological control methods will be employed as first-line strategies wherever and whenever feasible.

4. In the geographical areas covered by the Agreement, District will use only products containing the active ingredients listed in the Agreement.

5. Working with the property owner, tenant and/or operator to achieve a long-term solution that is not reliant on continued pesticide use will continue to be a primary objective.

Onsite Wastewater Treatment Systems (OWTS)
The District and the WMMC recognize that improperly sealed OWTS can be a source of mosquito production, particularly _Culex pipiens._

When addressing such a system the District will:

1. Provide the person on site and via mail to the property owner (if different) with:
   a. Information about properly screening and sealing the system.
   b. A list of qualified local contractors and handypersons who can provide either a) screening of plumbing vents or b) repair of septic systems to prevent mosquito access to the OWTS.
   c. Contact information for the WMMC.
2. In accordance with the District’s IVMP, mosquito control materials will be applied only when and where necessary. When indicated, the District will control larval and/or adult mosquitoes in OWTS using materials containing the following active ingredients:
   a. *Bacillus sphaericus* (*Bs*) or *Bacillus thuringiensis* (*Bti*)
   b. Spinosad (e.g. Natular)
   c. S-methoprene (OWTS only)
   d. Monomolecular film (e.g. Agnique) see paragraph below
   e. Mosquito larvicide oils (e.g. CoCoBear) see paragraph below
   f. Pyrethrin (non-synergized) e.g. Merus 2.0

*Agnique MMF* may be used in septic systems, small ornamental ponds and dairy waste ponds, where late mosquito instar larvae and pupae are present and control has not or cannot be achieved with other materials covered by this Agreement. Homeowners will be instructed to properly seal and screen their septic tanks. If treatment of Dairy (or similar) waste ponds is necessary, CoCoBear may be applied.

*Methoprene briquettes* (e.g. Altosid), *only in OWTS at the label rate of 2-4 ppb* may be used in rotation with products containing Spinosad, Bti and Bs. The property owner will also be informed that the District has the authority to charge for repeat visits. The person responsible for the home and the homeowner will be notified that the Bolinas Community Public Utility District prohibits disposal of septic tank waste to its treatment facilities for a period of forty (40) days following the application of methoprene.

**New Materials for Mosquito Control**

The parties recognize that following approval by the regulatory agencies, new products and materials are released onto the market for public health vector control purposes. The District will consider giving priority consideration and testing to products that are approved by the Organic Materials Review Institute (OMRI) or the National Organic Program (NOP). Consultation between the District and WMMC may be initiated by either party on whether to add or delete materials or formulations from the approved list. If agreement is reached, the list of approved materials may be modified without re-ratifying the base Agreement. In the event that a new larvicide material receives registration from EPA and the CA Department of Pesticide Regulation and is approved by OMRI or NOP, and the material appears to be as effective as methoprene, this will trigger the consultative process described in this section.

**Organic Businesses**

The District will continue its cooperation with organic growers and businesses. Vector control materials certified and labeled for organic use will be used as appropriate in conjunction with organic operations and accompanying organic operation plans.
Term of Agreement
The Agreement will take effect on the date of the latest signature below and shall be in effect for a period of four years. Consultations between the District and WMMC regarding the potential renewal of the Agreement shall commence six months prior to the expiration of the Agreement.

Suspension
Suspension: In the event of an urgent public health situation, it may become necessary for District management to suspend any or all provisions of this Agreement. The District will provide notification within seventy-two (72) hours of suspension circumstances and actions taken to designated WMMC representatives, and relevant public health agencies. In accordance with its IVMP, to deal with urgent public health situations, the District uses a tiered approach; for example:
1. Enhanced surveillance
2. Coordination with other public health agencies
3. Elimination of vector habitat in the affected area
4. Localized treatments as necessary

Termination
Upon provision of 90 days notice, either party may terminate this Agreement.
APPROVALS

For District:

Signed: __________________________

MSMVCD Board President

Print Name: _______________________

Date: 5/11/16

Signed: __________________________

MSMVCD District Manager

Print Name: _______________________

Date: 5-11-2016

For WMMC

Signed: __________________________

WMMC Co-Chair

Print Name: _______________________

Date: 5-11-16

Signed: __________________________

WMMC Co-Chair

Print Name: _______________________

Date: 5-12-16
List of Exhibits:

- Exhibit A: Map of area covered by the Agreement