Distribution of Mosquitoes in Washington State Western Washington Mosquito Species by County

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County	Aedes aboriginis	Aedes aloponotum	Aedes campestris	Aedes c. canadensis	Aedes cataphylla	Aedes cinereus	Aedes communis	Aedes dorsalis	Aedes excrucians	Aedes fitchii	Aedes flavescens	4edes hendersoni †	Aedes hexodontus	Aedes impiger	Aedes implicatus	Aedes increpitus	Aedes intrudens	Aedes j. japonicus	Aedes melanimon	Aedes nevadensis	Aedes nigromaculis †	Aedes pionips †	Aedes <i>provocans</i> †	Aedes pullatus	Aedes punctor †	Aedes sierrensis	Aedes s. idahoensis	Aedes sticticus	Aedes togoi Aedes trivittatus †		4edes vexans	Anopheles earlei	Anopheles freeborni	Anopheles occidentalis	Anopheles punctipennis	Coquilletidia perturbans	Culex apicalis	Culex boharti	Culex erythrothorax †	Culex pipiens *	Culex salinarius	Culex stigmatasoma	Culex tarsalis*	Culex territans	Culiseta impatiens	Culiseta incidens	Culiseta inornata	Culiseta minnesotae	Culiseta morsitans	Culiseta particeps Orthopodomyia signifera †
Western Washington	_ \	-	-		4	4		-	1	4	-	٧.	٧.	<u> </u>	4	4	~	٧.		1	•	_	4	٧.	4	4	4	4	4 4		1			4	1	0	0	0	U	-		Ü				0			0	0 1 0
Clallam		Х						Х	Х	Х						8			2					Х		Х		2		Т	Х	ı	Х		Χ	2				Х			Х	Х	Х	Х	Х	$\overline{}$		19
Clark	19	_				Х			_	18				_		2			_						_	Х	х	Х		19	Х	i –	Х		Х					Х	\rightarrow				_	Х	_	19	_	2
Cowlitz		4	Х			Х	4	Х	_						18		Х	6									_	Х	16	_	Х	1	Х		Х	Х	2	2		Х		Х			Х	Х	Х	4		2
Grays Harbor	Х					10		Х		3						3										5	_	4			Х	1			Х	3	Х			Х	\neg			Х	4	Х	8	5	3	3
Island	Х	2				Х		1		Х					╗	Х			3		10					3		Х	2		3		х		Х	2				Х			2	Х	\Box	Х	Х	3	2	2
Jefferson	5					Х	Х	Х	х	Х	Х					Х								Х		х		5	14		Х	1	17		4	3		Х		Х	10		Х	Х	Х	Х	5	19	11	х х
King	Х	Х				Х	Х	Х	Х	Х			Х			2		1						Х		Х		Х			4		1	19	Χ	Χ	Х	4		Х	14	Х	Х	1	Х	Х	Х	Х	5	2
Kitsap	Х	Х		16				Х	Х	Х			Х			Х										Х			16	15	3				Х	2				Х			Х	3	Х	Х	3	7	Х	4
Lewis	Х					Х	Х			Х			Х	Х												Х					8		17		Χ					Χ		Χ	Х	Х	Х	Х	Х	7		6
Mason	Х	Х				Х		Х	Х	Х						Х		14								Х					Х	1			12	3				6			7	Х	Х	Х			11	i
Pacific	Х					Х		Х		Х						Х			2							Х		Х			Х					Х				Х			Х	Х	2	Х	7	3	3	2
Pierce	Х	Х		18		Х	Х	Х	Х	Х	Х		Х	Х	Х	Х	Х	3	17	Х	Х		17	Х		Х		Х	16	Х	Х	1	Х	Х	Χ	2		4	Х	Χ	2	4	Х	1	Х	Х	Х	4	3	2
San Juan	3							Х		Х						Х										Х			Х			<u> </u>			3	3				3			3	3		Χ	3			3
Skagit	Х	Х						2	Х	Х			Х		Х	Х	19			Х				Х		Х		Х	Х		X				7	3				Χ			Х	Х	Х	Х				19
Skamania	Х					Х	Х		Х	Х			Х	Х	Х	Х							Х	Х		Х	_	Х			X	_	Х		Χ	3		3		Χ	\square		Х	3	Х	Х	Х			
Snohomish	_	11				Χ	6		Х	Х						Х		_								2		Х			X	4	5	3	Χ	2	Х	6		Χ	\square					Х	Х	4	Х	3
Thurston	Х	Х				Х		Х	Х	Х						Х	19	16	12							Х		3			7	<u> </u>	7		Χ	_				Χ	16		Х	Х	6	Χ	1	7	1	3
Wahkiakum	5									5						7										5				\perp	8		5		5					5	\square		Х		_	Х	5			5
Whatcom	Х	X				Х	Х	Х	X	X			Х	Х		Х	Х									3		Х	2		X	1	X	Х	Х	Χ		4		Χ			Х	Х	X	Х	X	3	3	6

* Primary West Nile virus vector species in Washington State.

Last Revised 11/20/2019

New Findings for:

1-2001	2-2002	3-2003	4-2004	5-2005	6-2006	7-2007	8-2008	9-2009	10-2010	11-2011	12-2012	13-2013	14-2014	15-2015
16-2016	17-2017	18-2018	19-2019											



The matrix shows the known distribution of mosquito species by county for Western Washington through 2019. Previous findings are represented by an "X," and are based upon mosquito surveillance conducted by Washington State Department of Health in the 1960s and 1970s. Previous findings have also been updated to reflect historical findings as presented in the revised Distribution of Mosquitoes in Washington State, William J. Sames et al. Journal of the American Mosquito Control Association, 23(4):442-448, 2007. New findings due to the initiation of state West Nile virus surveillance in 2001 are represented by surveillance year 2001-2019, and are based upon the earliest collection of the species.

[†] Eight mosquito species reported for Washington are based upon one or two county records and in some cases one or few specimens. These species are Aedes hendersoni, Ae, nigromaculis, Ae. pionips, Ae. provocans, Ae. punctor, Ae. trivittatus, Culex erythrothorax, and Othropodomyia signifera.

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	iginis	onotum	pestris	adensis	phylla	reus	munis	alis	ucians	ii	escens	dersoni †	odontus	ger	Icatus	epitus	ndens	onicus	nomina	densis	omaculis		ocans +		coric	choonsis	dioensis		or ttatus +	rovittis	sui	earlei	freeborni	Anopheles occidentalis	Anopheles punctipennis	Coquilletidia perturbans	ılis		romorax i	arius	natasoma	*Silc	ans	patiens	cidens	ornata	innesotae	orsitans	Culiseta particeps Orthopodomyia signifera †
County	Aedes aboriginis	Aedes aloponotum	Aedes campestris	Aedes canadensis	Aedes cataphylla	Aedes cinereus	Aedes communis	Aedes dorsalis	Aedes excrucians	Aedes fitchii	Aedes flavescens	Aedes hendersoni	Aedes hexodontus	Aedes impige	Aeaes implicatus	Aedes increpitus	Aedes intrudens	Aedes j. japonicus	Aedes melanimon	Aedes nevadensis	Aedes nigromaculis	Aedes pionips	Aedes provocans	Aedes pullatus	Aedes punctor	Andes s. idahonnis	Acues s. ruano	איש פייים	Aedes togoi Aedes trivittatus	Aedes ventrovittis	Aedes vexans	Anopheles earlei	Anopheles freeb	Anopheles	Anopheles	Coquilletia	Culex apicalis	Culex boharti	Culex erythrothorax	Culex salinarius	Culex stigmatasoma	Culex tarsalis*	Culex territans	Culiseta impatiens	Culiseta incidens	Culiseta inornata	Culiseta minnesotae	Culiseta morsitans	Culiseta particeps Orthopodomyia si
Eastern Washington																																																	
Adams								Х											4		Х										4	ļ	4			4			X	_		X				Х			
Asotin															_		_	_		_								\perp				1	Х						7			Х		<u> </u>		\perp			L
Benton			X		5		-	X		Х					_	х	_	_	Х	_	Х				>	_	×	(X	-	Х	Х	Х	4			X		X	Х	X	<u> </u>	_	_	Х		i_
Chelan	Х	7			Х	Х	Х	Х	Х	Х	Х		Х	Х	-	Х	Х		7	Х				X :	X X	: >	()	(X	X	-	Х		Х	6			Х			_	Х	_	Х	_	X	1	
Columbia															_	х	_	_		_					8			\perp			X	<u> </u>	Х		Х	8						Х	8	<u> </u>	8	_			
Douglas								X			7				_		_	_	Х	_											X	-										Х	_	<u> </u>	_	Х			i_
Ferry	Х			Х		Х	Х			Х			Х	Х	_	Х	Х	_		_		Х					2	_			Х		Х			Х			2			_	Х	_	2				
Franklin			5	6			18	4			Х				8	1	_	_	Х	_	Х				3		×	(4	15	3	Х	4	4			X			X	15		Х	Х			i_
Garfield															_			_		_								_				1			Х							X	_	<u> </u>	Х	\perp			
Grant	17		X	Х		_	Х	_		Х	Х				_	Х			Х	_	Х				>	. 2		\perp			1		Х		10				Х				_			_			i_
Kittitas	Х				Х	Х	Х	Х	Х	Х			Х		_	X 1	L2	_	10	-	Х				9)	()	(13	3 X	X	1	Х			Х			Х			_	Х	Х		_	Х	Х	9
Klickitat	Х							7					Х		_	3	_		7		7	_			3		7	<u> </u>			Х	-	14		14	7			3		X	_	_	<u> </u>	3		7	\square	
Lincoln							-	10	Х	Х	_				-	Х									3			\perp			Х	-	Х			19		Х	3			Х	_	10	Х			ш	L
Okanogan			X	Х		_	Х	Х	Х	Х	Х		_	_	_	Х			Х				_	х	>	()	()	(Х	-	_	Х	Х	3			X			X	Х	<u> </u>	Х	Х			
Pend Oreille	9			Х		Х	Х		Х	Х			Х	Х	X	Х	Х					_	Х	_	х	>	()	(Х	_	Х			9			X	_		_	Х			\perp	X		
Spokane	Х			6		Х	-	5	Х	Х					-	Х			3				17	х	4		4			X	_		_	12	_	2			_	4		_	12			Х			
Stevens	10		12	Х	Х	Х	Х	Х		Х	12	16			-	Х			13	Х	Х		11		3	1	2 1	0			Х	-	Х	_	10	10			X			Х	_	-	Х	_	10		10
Walla Walla	Х		8			Х		Х							-	Х			2		Х				3		2	2			Х	12	Х	12	Х	3			X		Х	X	1	1	Х	X	12	6	
Whitman	3		Х							3					-	Х									>	_	4	_			Х		Х		Χ	Х			X			X	_	<u> </u>	Х	_			L
Yakima	Х	X	6			X	Х	Х	X	X	Х		Х	Х	x	X	x		Х	X	Х		Х		>	: →	()	(4		X	11	Х	11	Х	Х	X :	11	X		X	X	Х	Х	Х	X	X	Х	į

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