



Coos Soil & Water Conservation District CoosSWCD <info@coosswcd.org>

Mosquito_Discussion

5 messages

CLAIRE Christopher w * ODFW <Christopher.w.CLAIRE@odfw.oregon.gov>
To: "richardhallmark@co.coos.us" <richardhallmark@co.coos.us>
Cc: Coos SWCD <info@coosswcd.org>

Thu, Mar 7, 2024 at 8:01 AM

Rick,

Hope your week has been good. Was hoping to visit a bit on mosquitoes through email.

- Is there any legitimate and printed or other information indicating that Coos County has had malaria in the County at any point?
- Is the mosquito that can carry malaria present in Coos County?
- Has there been any cases of Zika virus in Coos County?
- Does the mosquito that can carry Zika virus live in Coos County?
- Has there been any confirmed cases of West Nile virus in Coos County?
- Does the mosquito that can carry West Nile Virus live in Coos County?
- Has there been any cases of Dengue fever in Coos County?
- Does the mosquito that can carry Dengue fever live in Coos County?
- Has there been any cases of encephalitis directly attributed to mosquitoes in Coos County?

Thanks much,

Chris

Christopher W. Claire

Habitat Protection Biologist

Oregon Dept. of Fish and Wildlife

P.O. Box 5003

Habitat Protection Biologist

Oregon Dept. of Fish and Wildlife

Charleston, OR 97420

wk cell: 541-551-1631

*Just because you have created hydrologic
chaos does not necessarily mean you have*

created habitat.



CLAIRE Christopher w * ODFW <Christopher.w.CLAIRE@odfw.oregon.gov>
To: Hallmark Richard <Richard.Hallmark@chw.coos.or.us>
Cc: Coos SWCD <info@coosswcd.org>

Thu, Mar 7, 2024 at 8:02 AM

Christopher W. Claire
Habitat Protection Biologist
Oregon Dept. of Fish and Wildlife
P.O. Box 5003
[63538 Boat Basin Drive](#)
[Charleston, OR 97420](#)
wk cell: 541-551-1631

*Just because you have created hydrologic
chaos does not necessarily mean you have
created habitat.*



From: CLAIRE Christopher w * ODFW
Sent: Thursday, March 07, 2024 8:01 AM
To: richardhallmark@co.coos.us
Cc: Coos SWCD <info@coosswcd.org>
Subject: Mosquito_Discussion

Rick,

Hope your week has been good. Was hoping to visit a bit on mosquitoes through email.

- Is there any legitimate and printed or other information indicating that Coos County has had malaria in the County at any point?
- Is the mosquito that can carry malaria present in Coos County?
- Has there been any cases of Zika virus in Coos County?

- Does the mosquito that can carry Zika virus live in Coos County?
- Has there been any confirmed cases of West Nile virus in Coos County?
- Does the mosquito that can carry West Nile Virus live in Coos County?
- Has there been any cases of Dengue fever in Coos County?
- Does the mosquito that can carry Dengue fever live in Coos County?
- Has there been any cases of encephalitis directly attributed to mosquitoes in Coos County?

Thanks much,

Chris

Christopher W. Claire

Habitat Protection Biologist

Oregon Dept. of Fish and Wildlife

P.O. Box 5003

Habitat Protection Biologist

Oregon Dept. of Fish and Wildlife

Charleston, OR 97420

wk cell: 541-551-1631

*Just because you have created hydrologic
chaos does not necessarily mean you have
created habitat.*



CLAIRE Christopher w * ODFW <Christopher.w.CLAIRE@odfw.oregon.gov>
To: Coos SWCD <info@coosswcd.org>, Fred Messerle <bsdd.bos@gmail.com>

Sat, Mar 23, 2024 at 11:43 AM

Caley, Fred,

I sent an email to Rick Hallmark, the Environmental Health Program Manager of Coos Health and Wellness concerning mosquito borne disease. I would offer that we definitely should include this as part of our record for the Winter Lake Phase III documents. It may prove to be very helpful to be in the record (see below response).

Best,

Chris

Christopher W. Claire
 Habitat Protection Biologist
 Oregon Dept. of Fish and Wildlife
 P.O. Box 5003
 63538 Boat Basin Drive
 Charleston, OR 97420
 wk cell: 541-551-1631

Just because you have created hydrologic chaos does not necessarily mean you have created habitat.



From: Richard Hallmark <Richard.Hallmark@chw.coos.or.us>
Sent: Friday, March 22, 2024 4:26 PM
To: CLAIRE Christopher w * ODFW <Christopher.w.CLAIRE@odfw.oregon.gov>
Cc: Tim Lynch <Tim.Lynch@chw.coos.or.us>; Eric Gleason <Eric.Gleason@chw.coos.or.us>
Subject: FW: Mosquito_Discussion

You don't often get email from richard.hallmark@chw.coos.or.us. [Learn why this is important](#)

Chris, For the most part the mosquito species identified in Coos County in recent years are NOT competent in transmitting disease. Species I see have been identified here are: *Aedes nigromaculis*, *Aedes squaminger*, *Aedes increpitus*, *Aedes vexans*, *Coquillettidia perturbans*, ***Culex tarsalis***, ***Culex pipiens***, *Culiseta inornata*, *Culiseta particeps*, *Ochlerotatus dorsalis*, *Ochlerotatus implicates*, and *Ochlerotatus washinoi*. You will note that the bolded *Culex* sp. are competent carriers of mosquito borne disease.

The table below shows in the first column what the CDC includes as the most common types of mosquitoes that can spread germs in the United States (<https://www.cdc.gov/mosquitoes/about/mosquitoes-in-the-us.html>). ***Culex tarsalis***, and ***Culex pipiens*** are listed. The second column reflects the top result in an internet search of "What disease does mosquito species x cause?"

| Mosquito Genus Species | Some Possible Disease(s) Carried |
|------------------------|---|
| <i>Aedes aegypti</i> | Dengue virus, yellow fever virus, chikungunya virus, Zika virus |
| | |

| | |
|----------------------------------|--|
| <i>*Culex pipiens</i> | West Nile Virus |
| <i>*Culex tarsalis</i> | St. Louis Encephalitis, Western Equine Encephalitis |
| <i>Culex quinquefasciatus</i> | St. Louis encephalitis, Western equine encephalitis, West Nile fever |
| | |
| <i>Anopheles freeborni</i> | Malaria |
| <i>Anopheles quadrimaculatus</i> | Malaria |

*Despite the presence of *Culex pipiens* and *Culex tarsalis* there are no documented cases of mosquito borne illness in Coos County. As to your questions:

- A local newspaper article from the 70's notes a Coos County case of encephalitis. We can speculate the disease resulted from a *Culex* sp. mosquito bite, but no good record supports/denies the possibility AND even "if true" the disease reservoir has since evaporated.
- Malaria outbreaks have been documented in Oregon [territory] since 1830. Effective in 1947 the CDC aggressively provided mosquito treatment nationwide to eliminate malaria in counties where it was reported to have been prevalent (https://www.cdc.gov/malaria/about/history/elimination_us.html#:~:text=The%20program%20commenced%20operations%20on,spray%20applications%20had%20been%20made). There is not a record obvious to me showing where treatment was provided in Oregon that might substantiate malaria's presence (or not) in Coos County. As the *Anopheles* sp. is the only mosquito to carry the parasite that causes malaria, it has to be here for mosquito transmission to occur.
- None of the emergent diseases listed as possibly carried by *Aedes aegypti* have been seen in Coos County. Considering those diseases, the way we prioritize mosquito control will certainly change if/when *Aedes aegypti* arrives.

I only guess why no recorded case of mosquito borne illness exists in Coos County – particularly when over the last twenty years West Nile Virus has spread around the state including immediately east in Douglas County. Though, it appears there is an invisible wall excluding mosquito borne disease away from Oregon's south coast, common sense dictates with the dynamics of living creatures Coos County will eventually see cases of mosquito borne illness.

Rick Hallmark, EHS

Environmental Health Program Manager

Coos Health & Wellness

Together, inspiring healthier communities

281 LaClair St.

Coos Bay, OR 97420

p. 541-266-6744

f. 541-888-8726

CONFIDENTIALITY NOTICE: This transmission is intended only for the use of the individual(s) named as recipients. It may contain information that is privileged, confidential and/or protected from disclosure under applicable law including, but not limited to, the attorney client privilege and/or work product doctrine. If you are not the intended recipient of this transmission, please notify the sender immediately and delete this document. Do not deliver, distribute or copy this transmission, disclose its contents or take any action in reliance on the information it contains.

From: CLAIRE Christopher w * ODFW [mailto:Christopher.w.CLAIRE@odfw.oregon.gov]
Sent: Thursday, March 7, 2024 8:02 AM
To: Richard Hallmark <Richard.Hallmark@chw.coos.or.us>
Cc: Coos SWCD <info@coosswcd.org>
Subject: RE: Mosquito_Discussion

This Message originated outside your organization.

Christopher W. Claire
Habitat Protection Biologist
Oregon Dept. of Fish and Wildlife
P.O. Box 5003
63538 Boat Basin Drive
Charleston, OR 97420
wk cell: 541-551-1631

*Just because you have created hydrologic
chaos does not necessarily mean you have
created habitat.*



From: CLAIRE Christopher w * ODFW
Sent: Thursday, March 07, 2024 8:01 AM
To: richardhallmark@co.coos.us
Cc: Coos SWCD <info@coosswcd.org>
Subject: Mosquito_Discussion

Rick,

Hope your week has been good. Was hoping to visit a bit on mosquitoes through email.

- Is there any legitimate and printed or other information indicating that Coos County has had malaria in the County at any point?
- Is the mosquito that can carry malaria present in Coos County?
- Has there been any cases of Zika virus in Coos County?
- Does the mosquito that can carry Zika virus live in Coos County?

- Has there been any confirmed cases of West Nile virus in Coos County?
- Does the mosquito that can carry West Nile Virus live in Coos County?
- Has there been any cases of Dengue fever in Coos County?
- Does the mosquito that can carry Dengue fever live in Coos County?
- Has there been any cases of encephalitis directly attributed to mosquitoes in Coos County?

Thanks much,

Chris

Christopher W. Claire

Habitat Protection Biologist

Oregon Dept. of Fish and Wildlife

P.O. Box 5003

Habitat Protection Biologist

Oregon Dept. of Fish and Wildlife

Charleston, OR 97420

wk cell: 541-551-1631

*Just because you have created hydrologic
chaos does not necessarily mean you have
created habitat.*



Disclaimer

The information contained in this communication from the sender is confidential. It is intended solely for use by the recipient and others authorized to receive it. If you are not the recipient, you are hereby notified that any disclosure, copying, distribution or taking action in relation of the contents of this information is strictly prohibited and may be unlawful.

This email has been scanned for viruses and malware, and may have been automatically archived by **Mimecast Ltd**, an innovator in Software as a Service (SaaS) for business. Providing a **safer** and **more useful** place for your human generated data. Specializing in; Security, archiving and compliance. To find out more [Click Here](#).

bsdd.bos@gmail.com <bsdd.bos@gmail.com>

Sat, Mar 23, 2024 at 1:03 PM

To: CLAIRE Christopher w * ODFW <Christopher.w.CLAIRE@odfw.oregon.gov>, Coos SWCD <info@coosswcd.org>

Could you send me a copy of the Coaledo tide gate ACU or the link to it on the planning website.

FRM

From: CLAIRE Christopher w * ODFW <Christopher.w.CLAIRE@odfw.oregon.gov>
Sent: Saturday, March 23, 2024 11:43 AM
To: Coos SWCD <info@coosswcd.org>; Fred Messerle <bsdd.bos@gmail.com>
Subject: FW: Mosquito_Discussion

Caley, Fred,

I sent an email to Rick Hallmark, the Environmental Health Program Manager of Coos Health and Wellness concerning mosquito borne disease. I would offer that we definitely should include this as part of our record for the Winter Lake Phase III documents. It may prove to be very helpful to be in the record (see below response).

Best,

Chris

Christopher W. Claire
Habitat Protection Biologist
Oregon Dept. of Fish and Wildlife
P.O. Box 5003
63538 Boat Basin Drive
Charleston, OR 97420
wk cell: 541-551-1631

*Just because you have created hydrologic
chaos does not necessarily mean you have
created habitat.*



From: Richard Hallmark <Richard.Hallmark@chw.coos.or.us>
Sent: Friday, March 22, 2024 4:26 PM
To: CLAIRE Christopher w * ODFW <Christopher.w.CLAIRE@odfw.oregon.gov>
Cc: Tim Lynch <Tim.Lynch@chw.coos.or.us>; Eric Gleason <Eric.Gleason@chw.coos.or.us>
Subject: FW: Mosquito_Discussion

You don't often get email from richard.hallmark@chw.coos.or.us. [Learn why this is important](#)

Chris, For the most part the mosquito species identified in Coos County in recent years are NOT competent in transmitting disease. Species I see have been identified here are: *Aedes nigromaculis*, *Aedes squamiger*, *Aedes increpitus*, *Aedes vexans*, *Coquillettidia perturbans*, ***Culex tarsalis***, ***Culex pipiens***, *Culiseta inornata*, *Culiseta particeps*, *Ochlerotatus dorsalis*, *Ochlerotatus implicates*, and *Ochlerotatus washinoi*. You will note that the bolded *Culex* sp. are competent carriers of mosquito borne disease.

The table below shows in the first column what the CDC includes as the most common types of mosquitoes that can spread germs in the United States (<https://www.cdc.gov/mosquitoes/about/mosquitoes-in-the-us.html>). ***Culex tarsalis***, and ***Culex pipiens*** are listed. The second column reflects the top result in an internet search of "What disease does mosquito species x cause?"

| Mosquito Genus Species | Some Possible Disease(s) Carried |
|----------------------------------|--|
| <i>Aedes aegypti</i> | Dengue virus, yellow fever virus, chikungunya virus, Zika virus |
| | |
| *<i>Culex pipiens</i> | West Nile Virus |
| *<i>Culex tarsalis</i> | St. Louis Encephalitis, Western Equine Encephalitis |
| <i>Culex quinquefasciatus</i> | St. Louis encephalitis, Western equine encephalitis, West Nile fever |
| | |
| <i>Anopheles freeborni</i> | Malaria |
| <i>Anopheles quadrimaculatus</i> | Malaria |

*Despite the presence of *Culex pipiens* and *Culex tarsalis* there are no documented cases of mosquito borne illness in Coos County. As to your questions:

- A local newspaper article from the 70's notes a Coos County case of encephalitis. We can speculate the disease resulted from a *Culex* sp. mosquito bite, but no good record supports/denies the possibility AND even "if true" the disease reservoir has since evaporated.
- Malaria outbreaks have been documented in Oregon [territory] since 1830. Effective in 1947 the CDC aggressively provided mosquito treatment nationwide to eliminate malaria in counties where it was reported to have been prevalent (https://www.cdc.gov/malaria/about/history/elimination_us.html#:~:text=The%20program%20commenced%20operations%20on,spray%20applications%20had%20been%20made). There is not a record obvious to me showing where treatment was provided in Oregon that might substantiate malaria's presence (or not) in Coos County. As the *Anopheles* sp. is the only mosquito to carry the parasite that causes malaria, it has to be here for mosquito transmission to occur.
- None of the emergent diseases listed as possibly carried by *Aedes aegypti* have been seen in Coos County. Considering those diseases, the way we prioritize mosquito control will certainly change if/when *Aedes aegypti* arrives.

I only guess why no recorded case of mosquito borne illness exists in Coos County – particularly when over the last twenty years West Nile Virus has spread around the state including immediately east in Douglas County. Though, it appears there is an invisible wall excluding mosquito borne disease away from Oregon's south coast, common sense dictates with the dynamics of living creatures Coos County will eventually see cases of mosquito borne illness.

Rick Hallmark, EHS

Environmental Health Program Manager

Coos Health & Wellness

Together, inspiring healthier communities

281 LaClair St.

Coos Bay, OR 97420

p. 541-266-6744

f. 541-888-8726

CONFIDENTIALITY NOTICE: This transmission is intended only for the use of the individual(s) named as recipients. It may contain information that is privileged, confidential and/or protected from disclosure under applicable law including, but not limited to, the attorney client privilege and/or work product doctrine. If you are not the intended recipient of this transmission, please notify the sender immediately and delete this document. Do not deliver, distribute or copy this transmission, disclose its contents or take any action in reliance on the information it contains.

From: CLAIRE Christopher w * ODFW [<mailto:Christopher.w.CLAIRE@odfw.oregon.gov>]
Sent: Thursday, March 7, 2024 8:02 AM
To: Richard Hallmark <Richard.Hallmark@chw.coos.or.us>
Cc: Coos SWCD <info@coosswcd.org>
Subject: RE: Mosquito_Discussion

This Message originated outside your organization.

Christopher W. Claire
Habitat Protection Biologist
Oregon Dept. of Fish and Wildlife
P.O. Box 5003
63538 Boat Basin Drive
Charleston, OR 97420
wk cell: 541-551-1631

*Just because you have created hydrologic
chaos does not necessarily mean you have
created habitat.*



From: CLAIRE Christopher w * ODFW
Sent: Thursday, March 07, 2024 8:01 AM
To: richardhallmark@co.coos.us
Cc: Coos SWCD <info@coosswcd.org>
Subject: Mosquito_Discussion

Rick,

Hope your week has been good. Was hoping to visit a bit on mosquitoes through email.

- Is there any legitimate and printed or other information indicating that Coos County has had malaria in the County at any point?
- Is the mosquito that can carry malaria present in Coos County?
- Has there been any cases of Zika virus in Coos County?
- Does the mosquito that can carry Zika virus live in Coos County?
- Has there been any confirmed cases of West Nile virus in Coos County?
- Does the mosquito that can carry West Nile Virus live in Coos County?
- Has there been any cases of Dengue fever in Coos County?
- Does the mosquito that can carry Dengue fever live in Coos County?
- Has there been any cases of encephalitis directly attributed to mosquitoes in Coos County?

Thanks much,

Chris

Christopher W. Claire

Habitat Protection Biologist

Oregon Dept. of Fish and Wildlife

P.O. Box 5003

Habitat Protection Biologist

Oregon Dept. of Fish and Wildlife

Charleston, OR 97420

wk cell: 541-551-1631

*Just because you have created hydrologic
chaos does not necessarily mean you have
created habitat.*



Disclaimer

The information contained in this communication from the sender is confidential. It is intended solely for use by the recipient and others authorized to receive it. If you are not the recipient, you are hereby notified that any disclosure, copying, distribution or taking action in relation of the contents of this information is strictly prohibited and may be unlawful.

This email has been scanned for viruses and malware, and may have been automatically archived by **Mimecast Ltd**, an innovator in Software as a Service (SaaS) for business. Providing a **safer** and **more useful** place for your human generated data. Specializing in; Security, archiving and compliance. To find out more [Click Here](#).

CLAIRE Christopher w * ODFW <Christopher.w.CLAIRE@odfw.oregon.gov>
To: Coos SWCD <info@coosswcd.org>
Cc: CLAIRE Christopher w * ODFW <Christopher.w.CLAIRE@odfw.oregon.gov>

Tue, Mar 26, 2024 at 6:27 PM

Christopher W. Claire
Habitat Protection Biologist
Oregon Dept. of Fish and Wildlife
P.O. Box 5003
63538 Boat Basin Drive
Charleston, OR 97420
wk cell: 541-551-1631

*Just because you have created hydrologic
chaos does not necessarily mean you have
created habitat.*



From: Richard Hallmark <Richard.Hallmark@chw.coos.or.us>
Sent: Friday, March 22, 2024 4:26 PM
To: CLAIRE Christopher w * ODFW <Christopher.w.CLAIRE@odfw.oregon.gov>
Cc: Tim Lynch <Tim.Lynch@chw.coos.or.us>; Eric Gleason <Eric.Gleason@chw.coos.or.us>
Subject: FW: Mosquito_Discussion

You don't often get email from richard.hallmark@chw.coos.or.us. [Learn why this is important](#)

Chris, For the most part the mosquito species identified in Coos County in recent years are NOT competent in transmitting disease. Species I see have been identified here are: *Aedes nigromaculis*, *Aedes squamiger*, *Aedes increpitus*, *Aedes vexans*, *Coquillettidia perturbans*, ***Culex tarsalis***, ***Culex pipiens***, *Culiseta inornata*, *Culiseta particeps*, *Ochlerotatus dorsalis*, *Ochlerotatus implicates*, and *Ochlerotatus washinoi*. You will note that the bolded *Culex* sp. are competent carriers of mosquito borne disease.

The table below shows in the first column what the CDC includes as the most common types of mosquitoes that can spread germs in the United States (<https://www.cdc.gov/mosquitoes/about/mosquitoes-in-the-us.html>). ***Culex tarsalis***, and ***Culex pipiens*** are listed. The second column reflects the top result in an internet search of "What disease does mosquito species x cause?"

| Mosquito Genus Species | Some Possible Disease(s) Carried |
|----------------------------------|--|
| <i>Aedes aegypti</i> | Dengue virus, yellow fever virus, chikungunya virus, Zika virus |
| | |
| *<i>Culex pipiens</i> | West Nile Virus |
| *<i>Culex tarsalis</i> | St. Louis Encephalitis, Western Equine Encephalitis |
| <i>Culex quinquefasciatus</i> | St. Louis encephalitis, Western equine encephalitis, West Nile fever |
| | |
| <i>Anopheles freeborni</i> | Malaria |
| <i>Anopheles quadrimaculatus</i> | Malaria |

*Despite the presence of *Culex pipiens* and *Culex tarsalis* there are no documented cases of mosquito borne illness in Coos County. As to your questions:

- A local newspaper article from the 70's notes a Coos County case of encephalitis. We can speculate the disease resulted from a *Culex* sp. mosquito bite, but no good record supports/denies the possibility AND even "if true" the disease reservoir has since evaporated.
- Malaria outbreaks have been documented in Oregon [territory] since 1830. Effective in 1947 the CDC aggressively provided mosquito treatment nationwide to eliminate malaria in counties where it was reported to have been prevalent (https://www.cdc.gov/malaria/about/history/elimination_us.html#:~:text=The%20program%20commenced%20operations%20on,spray%20applications%20had%20been%20made). There is not a record obvious to me showing where treatment was provided in Oregon that might substantiate malaria's presence (or not) in Coos County. As the *Anopheles* sp. is the only mosquito to carry the parasite that causes malaria, it has to be here for mosquito transmission to occur.
- None of the emergent diseases listed as possibly carried by *Aedes aegypti* have been seen in Coos County. Considering those diseases, the way we prioritize mosquito control will certainly change if/when *Aedes aegypti* arrives.

I only guess why no recorded case of mosquito borne illness exists in Coos County – particularly when over the last twenty years West Nile Virus has spread around the state including immediately east in Douglas County. Though, it appears there is an invisible wall

excluding mosquito borne disease away from Oregon's south coast, common sense dictates with the dynamics of living creatures Coos County will eventually see cases of mosquito borne illness.

Rick Hallmark, EHS

Environmental Health Program Manager

Coos Health & Wellness

Together, inspiring healthier communities

281 LaClair St.

Coos Bay, OR 97420

p. 541-266-6744

f. 541-888-8726

CONFIDENTIALITY NOTICE: This transmission is intended only for the use of the individual(s) named as recipients. It may contain information that is privileged, confidential and/or protected from disclosure under applicable law including, but not limited to, the attorney client privilege and/or work product doctrine. If you are not the intended recipient of this transmission, please notify the sender immediately and delete this document. Do not deliver, distribute or copy this transmission, disclose its contents or take any action in reliance on the information it contains.

From: CLAIRE Christopher w * ODFW [<mailto:Christopher.w.CLAIRE@odfw.oregon.gov>]

Sent: Thursday, March 7, 2024 8:02 AM

To: Richard Hallmark <Richard.Hallmark@chw.coos.or.us>

Cc: Coos SWCD <info@cooswcd.org>

Subject: RE: Mosquito_Discussion

This Message originated outside your organization.

Christopher W. Claire

Habitat Protection Biologist

Oregon Dept. of Fish and Wildlife

P.O. Box 5003

63538 Boat Basin Drive

Charleston, OR 97420

wk cell: 541-551-1631

*Just because you have created hydrologic
chaos does not necessarily mean you have
created habitat.*



From: CLAIRE Christopher w * ODFW
Sent: Thursday, March 07, 2024 8:01 AM
To: richardhallmark@co.coos.us
Cc: Coos SWCD <info@coosswcd.org>
Subject: Mosquito_Discussion

Rick,

Hope your week has been good. Was hoping to visit a bit on mosquitoes through email.

- Is there any legitimate and printed or other information indicating that Coos County has had malaria in the County at any point?
- Is the mosquito that can carry malaria present in Coos County?
- Has there been any cases of Zika virus in Coos County?
- Does the mosquito that can carry Zika virus live in Coos County?
- Has there been any confirmed cases of West Nile virus in Coos County?
- Does the mosquito that can carry West Nile Virus live in Coos County?
- Has there been any cases of Dengue fever in Coos County?
- Does the mosquito that can carry Dengue fever live in Coos County?
- Has there been any cases of encephalitis directly attributed to mosquitoes in Coos County?

Thanks much,

Chris

Christopher W. Claire
Habitat Protection Biologist
Oregon Dept. of Fish and Wildlife
P.O. Box 5003
Habitat Protection Biologist
Oregon Dept. of Fish and Wildlife
Charleston, OR 97420
wk cell: 541-551-1631

*Just because you have created hydrologic
chaos does not necessarily mean you have*

created habitat.



Disclaimer

The information contained in this communication from the sender is confidential. It is intended solely for use by the recipient and others authorized to receive it. If you are not the recipient, you are hereby notified that any disclosure, copying, distribution or taking action in relation of the contents of this information is strictly prohibited and may be unlawful.

This email has been scanned for viruses and malware, and may have been automatically archived by **Mimecast Ltd**, an innovator in Software as a Service (SaaS) for business. Providing a **safer** and **more useful** place for your human generated data. Specializing in; Security, archiving and compliance. To find out more [Click Here](#).