

Zika Champions in Indian Country: Spotlight on Three Zika Projects Funded by the National Indian Health Board

HOST

NATIONAL INDIAN HEALTH BOARD (NIHB)

ANGELICA AL JANABI, MPH

PUBLIC HEALTH PROJECT COORDINATOR

National Indian Health Board

Mission Statement

Established by the Tribes to advocate as the united voice of federally recognized American Indian and Alaska Native Tribes, NIHB seeks to reinforce Tribal sovereignty, strengthen Tribal health systems, secure resources, and build capacity to achieve the highest level of health and well-being for our People.



- Recorded and posted online
- Q&A and discussion at the end
 - Use the chat box
- Please keep phone lines muted
- Survey

Zika Project

- Newsletters
- Resources
- Webinars
- ...and more
- Funding!



ZIKA HUB

NIHB Zika Webinars

Zika Fact Sheets and Resources

Zika Prevention Planning and Mitigation

Areas That May Be Affected

Zika FAQ

Zika News

Zika Newsletter

US Zika Pregnancy and Infant Registry

Congressional Action

« Back

Zika Fact Sheets and Resources

- NIHB Zika Fact Sheet (DOC)
- CDC Zika Resources

Posters and Brochures

The National Indian Health Board has developed posters and brochures addressing Zika virus in Tribal communities. These materials are available below for you to print or download. Materials described as "fillable" have text boxes where you can enter your own contact information – for example, for your health facility. Materials with "web links" have clickable hyperlinks which work well if you plan to share the materials online with your community.



NIHB Zika Brochure

NIHB Zika Brochure Fillable

NIHB Zika Brochure Web <u>Links</u>



NIHB Zika Kids Poster

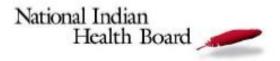


NIHB Zika Poster

NIHB Zika Poster Fillable

Meetings

- California
- New Mexico





ZIKA COLLABORATION MEETING: ENSURING HEALTHY TRIBES THROUGH STATE AND LOCAL PARTNERSHIP

San Diego and San Francisco, California

PURPOSE OF THE MEETING

Bring together Tribal, state, and local representatives to foster increased collaboration addressing Zika virus and other vector-borne diseases

MEETING INFORMATION

Date: Monday, June 4, 2018 from 10:00 am - 5:30 pm and

Tuesday, June 5, 2018 from 9:00 am - 12:00 pm

Location: Holiday Inn San Diego Bayside

Date: Wednesday, June 6, 2018 from 1:30 pm - 5:30 pm and

Thursday, June 7, 2018 from 9:00 am - 5:30 pm

Location: Parc 55 San Francisco

For your convenience, similar meetings will occur in two different locations. The San Francisco meeting is intended for Northern California attendees and San Diego is intended for Southern California attendees.

TO REGISTER (NO CHARGE) AND RESERVE ROOMS

San Diego: http://www.cvent.com/d/sqqq72 San Francisco: http://www.cvent.com/d/kqqq7q

CONTACT NIHB

For more information about this meeting or the Zika project at the National Indian Health Board (NiHB), contact Angelica Al Janabi at 202-507-4074 or AColagreco@nihb.org

Meeting is hosted by the National Indian Health Board (NIHB) and the California Rural Indian Health Board (CRIHB) with support from Centers for Disease Control and Prevention (CDC)



National Indian Health Board



Indian Health Council

ANGELINA RENTERIA, MA (NAVAJO NATION)
PUBLIC HEALTH PROGRAMS DIRECTOR, PROJECT
COORDINATOR

ANSON BLACK CALF (NAVAJO, LAKOTA SIOUX)
ENVIRONMENTAL TECHNICIAN

RICK ROMERO (TOHONO O'ODHAM, MEXICAN)
ELDER FALL SPECIALIST, CERTIFIED CAR SEAT
TECHNICIAN



Indian Health Council Tribal Zika Action Plan (T-ZAP)

Presented by
Angelina Renteria, BS, MA
Public Health Programs Department Director

Indian Health Council 50100 Golsh Rd. Valley Center, CA 92591 "Empowering Native Wellness"

www.indianhealth.com



Who are we?

- Located in rural North San Diego County, Valley Center, CA
- Serve 9 Consortium Tribes:
 - Pala Band of Mission Indians
 - Pauma
 - Rincon Band of Luiseno Indians
 - San Pasqual Band of Kumeyaay Indians
 - La Jolla Band of Luiseno Indians
 - Mesa Grande Band of Mission Indians
 - Los Coyotes Band of Indians
 - Lipay Nation of Santa Ysabel
 - Inaja-Cosmit Band of Mission Indians
- Service area expands across a 1,800 square mile radius
- Over 15,000 tribal community members utilize an array of IHC services provided within 6 departments including: Medical, Dental, Behavioral Health, Public Health, Health Promotions, Tribal Family Services
- T-ZAP is housed within the Public Health Programs Department

What is Zika?

- Zika virus is spread to people primarily through the bite of an infected Aedes species mosquito (Ae. aegypti and Ae. albopictus).
- Many people infected with Zika virus won't have symptoms or will only have mild symptoms.
- Zika virus infection during pregnancy can cause microcephaly and other severe brain defects.



IHC Identified Local Risk

- Identified and evaluated the current capacity to inform and education the community
- Determined zika training and communication required further developmental training



Angelina Renteria, BS, MA Public Health Programs Director



Rick Romero, Injury Prevention Coordinator Interim Zika Lead



Anson Black Calf, Environmental Technician Zika Team Lead

The IHC T-ZAP TEAM

T-ZAP OVERVIEW

The T-ZAP Grant Goal

To Implement a risk communication plan designed to address 2 major components

- 1. Zika communication training
- 2. A community-wide zika education campaign

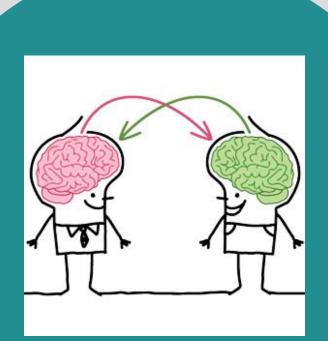
Objective 1

To provide Zika Communication Training to a minimum of 2 providers within each IHC department during the first 2 months of the grant timeline.

Objective 2

To implement a community-wide Zika Education Campaign within the grant program period.





Objective 1 - Activity 1.1

To provide Zika Communication Training to a minimum of 2 providers within each IHC department during the first 2 months of the grant timeline.

Activity 1.1: Secure and schedule qualified trainer(s) to facilitate training session(s) to IHC department staff leads.

IHC secured and scheduled Dr. Jessie Hood, Medical Investigations Deputy Team Lead with the Center for Disease Control and Prevention to provide Zika Training to IHC Zika Leads on 2/28/18.



Dr. Jessie Hood, PhD
Medical Investigations Deputy Team Lead
CDC

CDC's Response to Zika

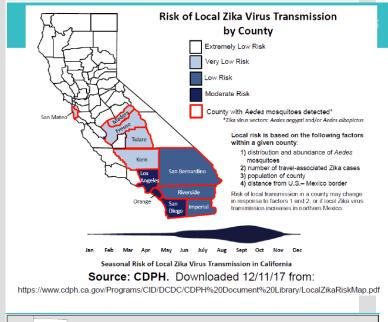
Building Capacity in Tribal Systems Training Objectives:

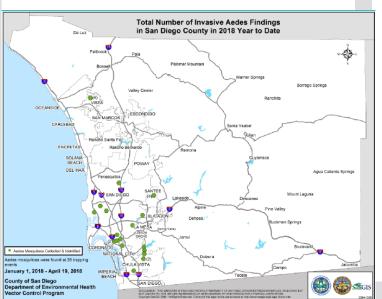
- Provide current information on the Zika Virus to support preparation of tribal communities
 - Understand the current state of Zika Virus
 - Unique aspect of Zika Virus
 - Understand the characteristics of Congenital Zika Syndrome
 - Understand the current clinical guidance for Zika Virus















County of San Diego, Vector Control Zika Training

Dr. Nikos Gurfield, PhD Allison Bray, MS

Provide LOCAL information and training regarding the Zika Virus



Objective 1 - Activity 1.2

Coordinate with each Department Director to ensure objectives and activities are clear and that a staff lead(s) are identified from each department.

A formal requests and grant overview was discussed during a Director's meeting requesting Directors to officially appoint a minimum of 2 staff leads to attend Zika Training and to coordinate outreach. All staff Leads were officially secured by 1/29/18 and oriented with the project.



Dr. Calac Medical Dir/CMO



Carrie Lambert
Dental Director



Dr. Pfent, Behavioral Health Director



Angelina Renteria Public Health Director



Karan Kolb Tribal Family Services Director



Beth Turner Health Promotions Dir.

OBJECTIVE 1 – ACTIVITY 1.3

Provide training and post-exam to a minimum of 12 department leads within the organization

Training was completed on 2/28/18 by all 12 department leads.

100% of the leads demonstrate knowledge of Zika prevention, detection and response and were prepared to disseminate information.

SAMPLE POST EVAL QUESTIONS

- ✓ The Zika virus is primarily transmitted through the bite of an infected *Aedes* mosquito. (TRUE)
- ✓ The Zika virus can be passed from a pregnant woman to her fetus. (TRUE)
- ✓ Infection during pregnancy can cause a birth defect called microcephaly and other severe fetal brain defects. (TRUE)
- ✓ You cannot get Zika through sex without a condom with someone infected by Zika if they do not have symptoms of Zika. (FALSE)
- ✓ Pregnant women can prevent congenital Zika syndrome by obtaining the Zika vaccine early during pregnancy. (FALSE)



Objective 2 - Activity 2.1

OBJECTIVE 2: To implement a community-wide Zika Education Campaign within the grant program period.

Initiate community outreach/education planning meetings.

Team Lead Planning meetings were held monthly to discuss:

- 1. Resource needs (printing, poster boards, zika kits, tracking tools, etc.)
- 2. Department Updates What's been done? What's working, what's not?



18

Objective 2 - Activity 2.1

Assign staff leads to target high risk populations via Medical, Public Health, Behavioral Health, Dental, Health Promotions, TFS during events, clinics and one-on-one visits.

Public Health Programs: one-on-one education during home visits to elders and pregnant moms, flyers in department lobby, hallway and gym area and education and outreach at community events

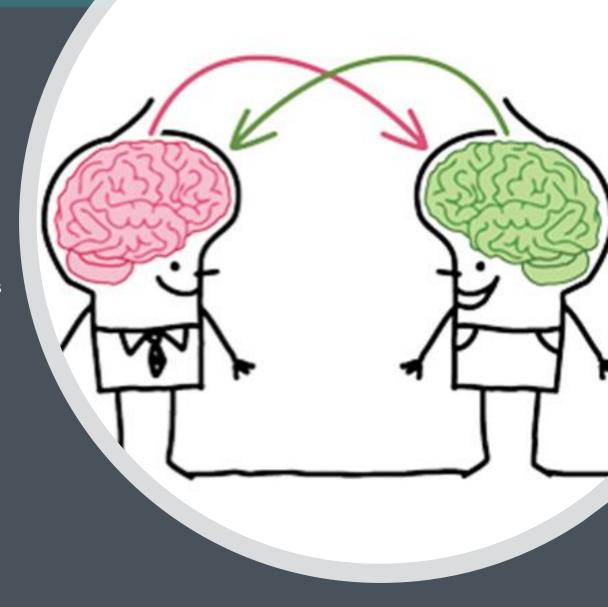
Behavioral Health: flyer distribution and posting in department lobby

Medical/Pharmacy: flyers posted in medical exam rooms and at the Pharmacy Bulletin Board. Discussed during medication consultation.

Dental: flyers posted in waiting area and education dissemination during Dental Department Mtg.

Health Promotions: flyer distribution, education to youth, adults and elders during community events

Tribal Family Services: flyer distribution, postings in department lobby



Objective 2 – Activity 2.3

Using teach back methods, CDC materials and Zika Tool Kit distribution, assess Tribal community Zika awareness

Education took place primarily as a one-on-one 10-minute overview highlighting Zika prevention, detection and response information. At the end of the 10-minute overview, participants were verbally surveyed for knowledge retention.

After answering 100% of the questions accurately, the participants received a Zika Kit and were challenged to be proactive by informing friends and family regarding how to prevent, detect and respond to Zika and to "tip and toss" potential Zika breeding sites near their homes.

Included in the Zika Kits: Zippered Reusable Bag, Large Mosquito Netting, Deet-Based Repellant, Permthrin-Based Repellant, Mosquito Larvicide Tablets)

760-749-1410 Ext. 5237 blackcalf@@indianhealth.com ndian Health Council, Inc. 50100 Golsh Rd.











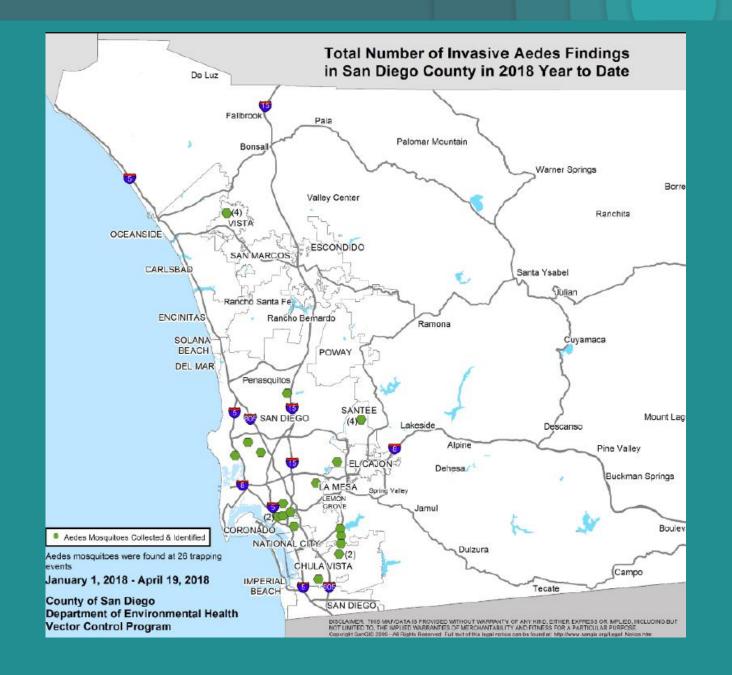
Challenges & Successes

Challenges

- Schedule conflicts between IHC and Tribal EPA
- No findings within Tribal boarders outside of county jurisdiction

Successes

- Increased clinic-wide awareness
- Increased sense of urgency to activate community-wide action days
- Increased awareness regarding county vs. tribal resources
- Departments have initiated planning for creative activities to begin Zika Action Days!
- Community members are self activating "tip and toss!"



Next Steps

- 1. Continue to reach Tribal EPA and Tribal Councils regarding future implementation of an official designated Zika Action Day
 - » Prevent Breeding. Tip and Toss potential mosquito breeding sites
 - Throw away unused items around the home
- 2. Secure resources (funding and manpower) to initiate testing (mosquito traps) within the tribal boarders.









Knowledge is Empowerment

"Empowering Native Wellness"

Thank You to NIHB and to YOU for listening.

Questions?



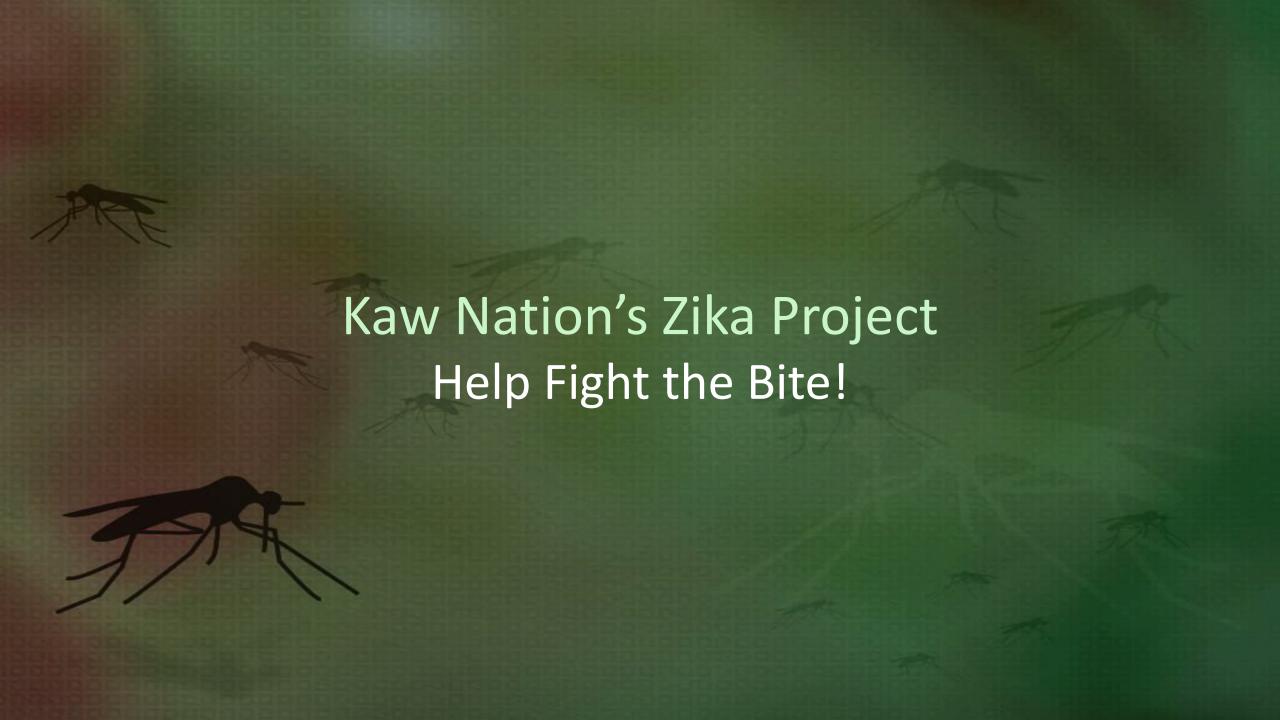




Kaw Nation

FRANCINE HACKETT (KAW NATION), MS, IT, BS, DIRECTOR OF ENVIRONMENTAL PROGRAM

CODY WINGO, AAS
ENVIRONMENTAL SPECIALIST



Event Goals

 Engage community in helping to reduce mosquito population and protect against mosquito bites

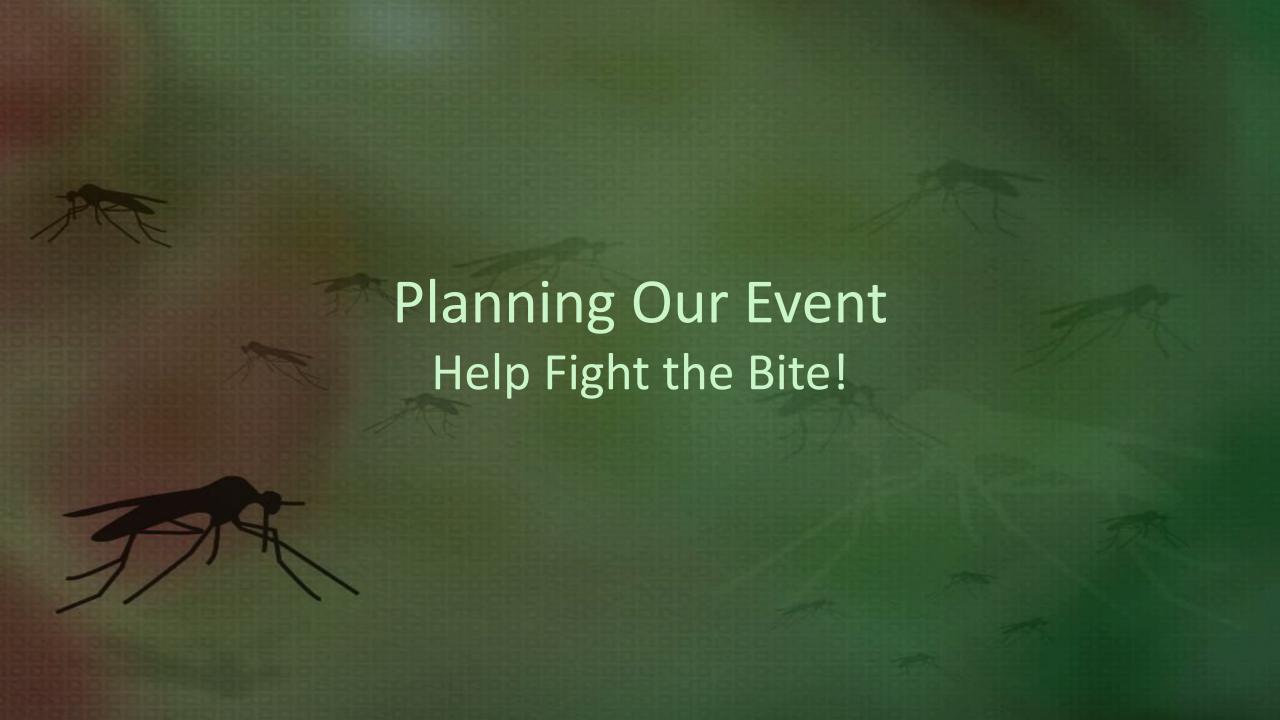
 To increase knowledge, awareness, and engagement in protection against the transmission of Zika virus



Purpose of Our Community Event

To rally the tribal community to follow a Zika Prevention Plan such as:

- Wearing long-sleeved shirts and long pants when outdoors
- Using EPA-registered insect repellents on exposed skin
- Use condoms if pregnant
- Install or repair windows and door
- At least once a week dump standing water or treat standing water with larvicides



Planning "Help Fight the Bite!" Event

Step 1: Deciding on a Host Partner

- Local hardware and home improvement store
- Local supermarkets, pharmacies, or grocery stores
- Local hospitals, health clinics, or family planning places

Step 2: Deciding on a Venue

- Consider outdoors, area accommodate large groups, and high volume of regular traffic
- Permits or prior permission
- Local law enforcement or security staff

Step 3: Engaging Partners

- Other partners invited to participate in event

Planning "Help Fight the Bite!" Event

Step 4: Deciding and Planning for Event Activities

- Number of stations (workshops) with an event "punch card"
- Types of incentives
- Children's Activities
- Developing a blueprint of the event space

Step 5: Promoting the Event

- Developing a promotion plan
- Media and adverting the event
- Logo on materials

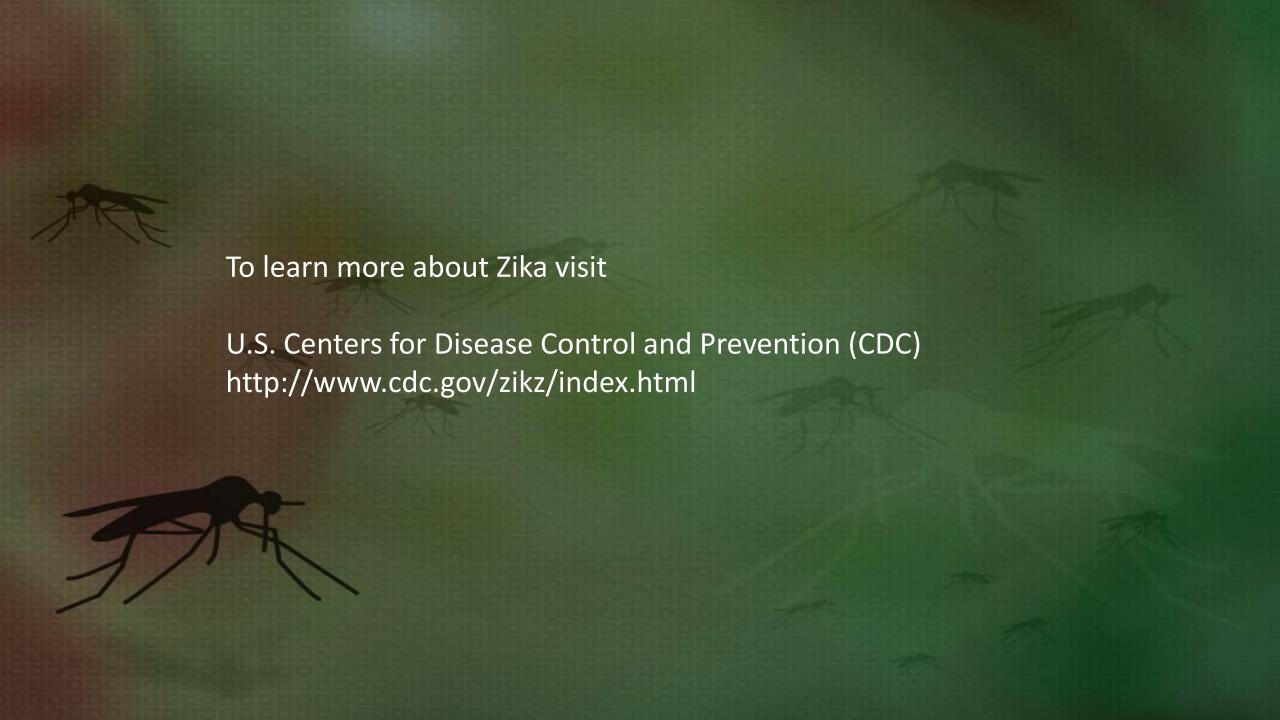
Planning "Help Fight the Bite!" Event

Step 6: Holding the Event

- Rope off event area
- Representative to talk with media
- Local health official to answer community questions
- Staff dedicated to welcome table

Step 7: Post-Event Wrap-Up

- Create and share event partner report
- Determine how many adults and children were in attendance
- Hold after event debrief with key event staff
- Conduct an event assessment

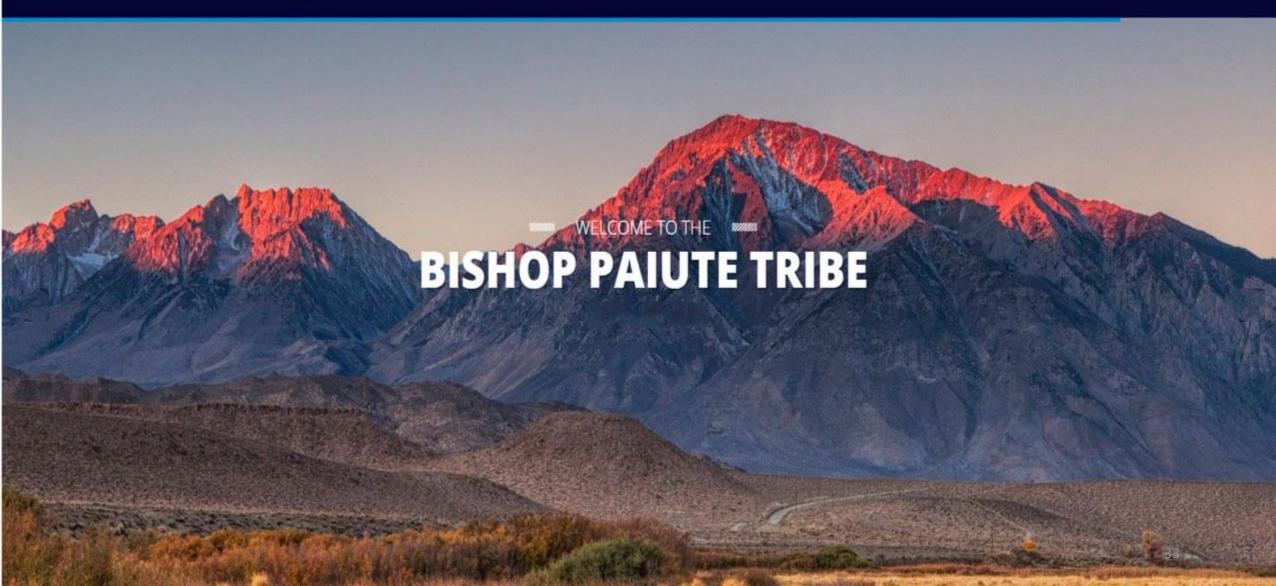




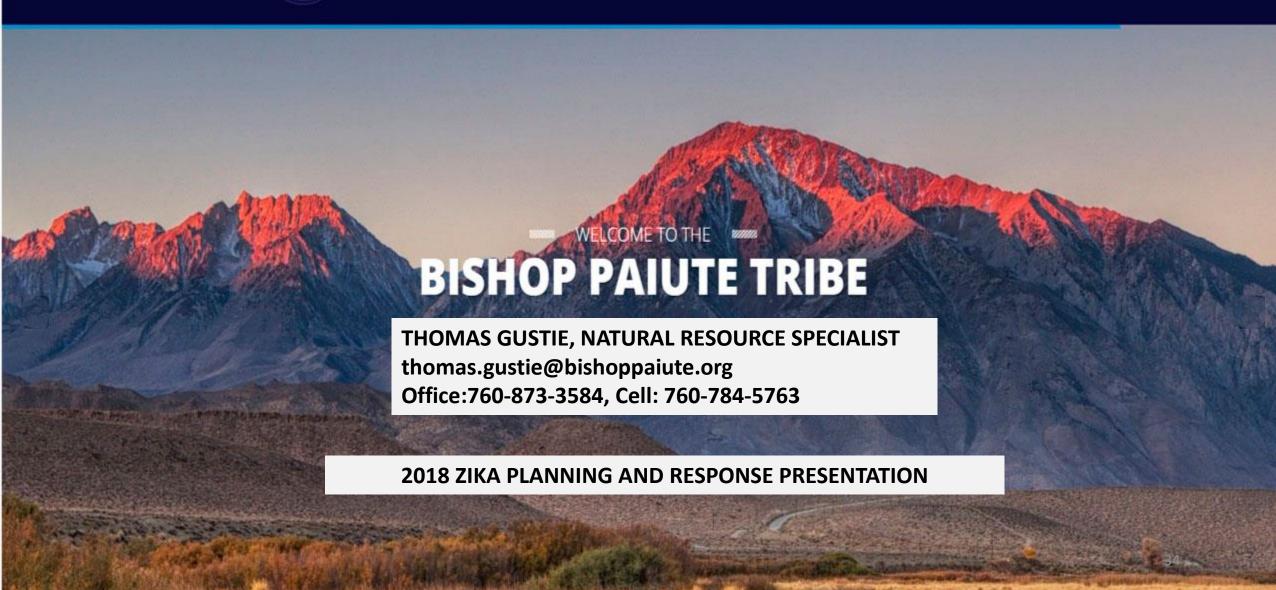
Bishop Paiute Tribe

THOMAS GUSTIE (BISHOP PAIUTE)
NATURAL RESOURCES SPECIALIST
ENVIRONMENTAL MANAGEMENT OFFICE

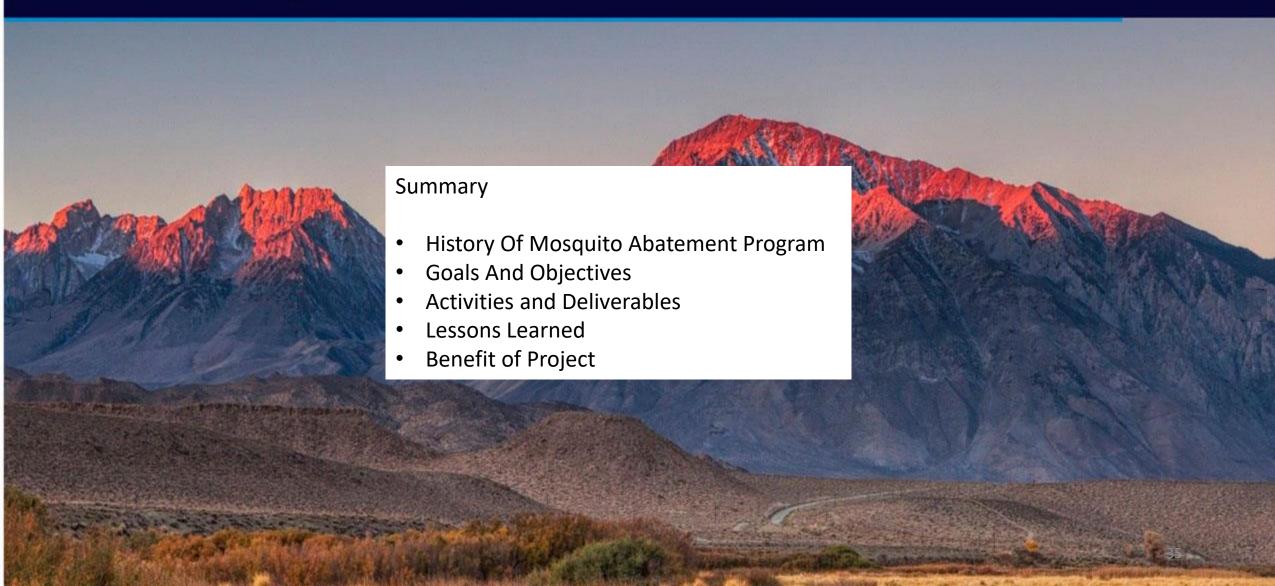














The Goals

1. Educate the community about how to prevent mosquito bites

2. Educate on how to eliminate mosquito habitat in the back yard and the household.

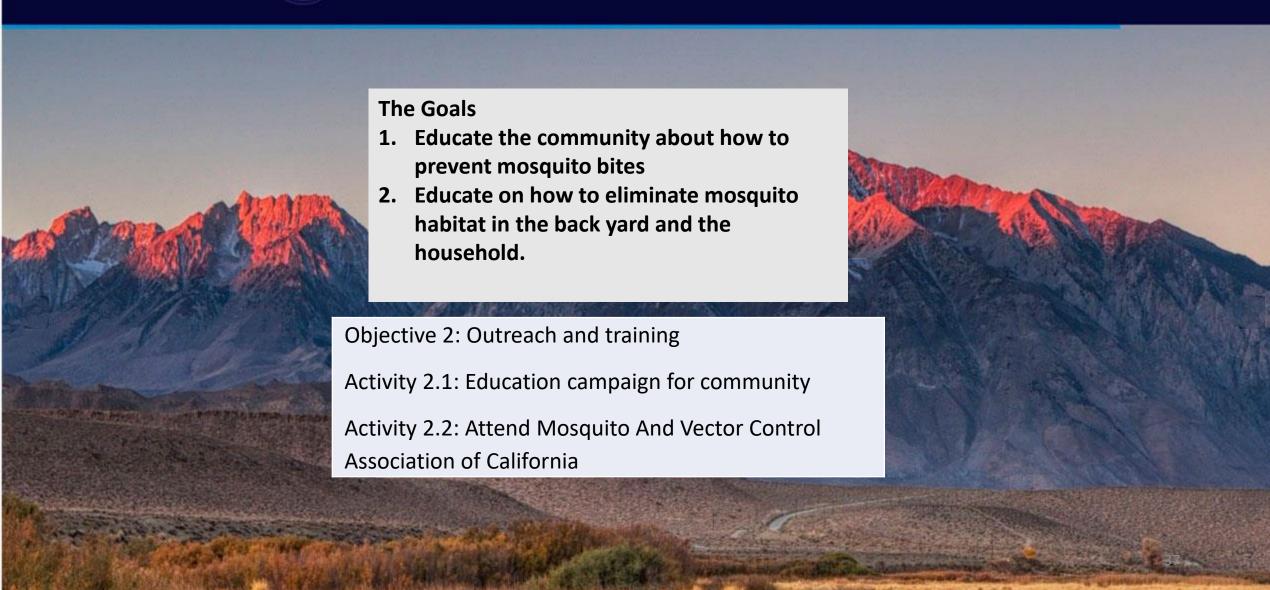
Objective 1: Identify areas that are at high risk of mosquito activity

Activity 1.1: GPS homes

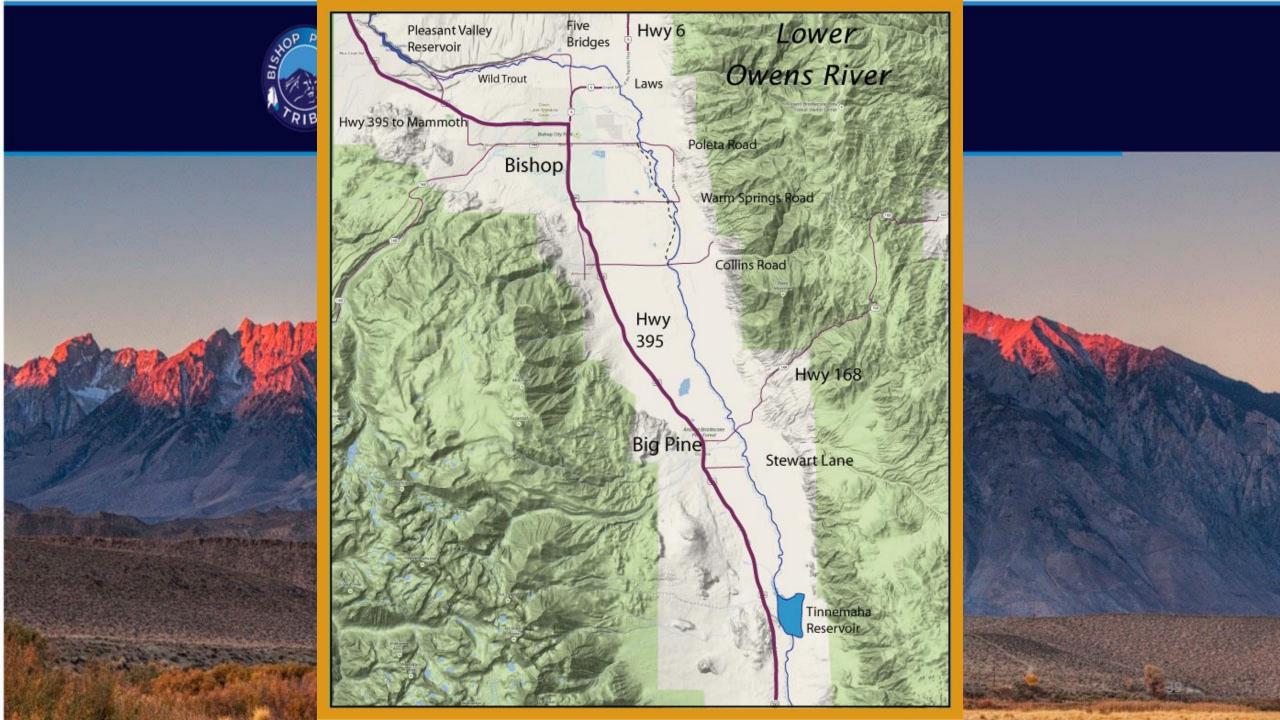
Activity 1.2: Perform house visits

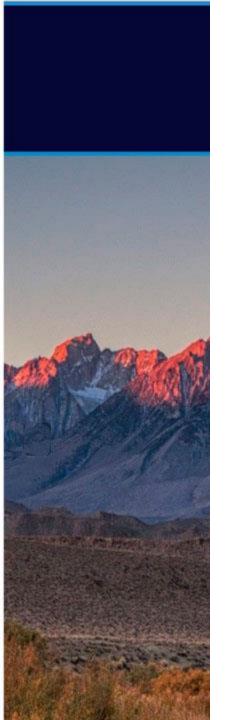
Activity 1.3: Purchase supplies



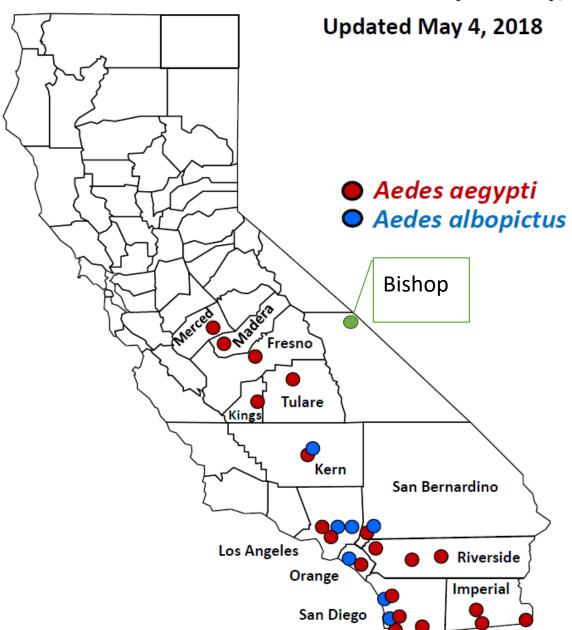








Aedes aegypti and Aedes albopictus Mosquitoes in California Detection Sites by County/City





Counties with

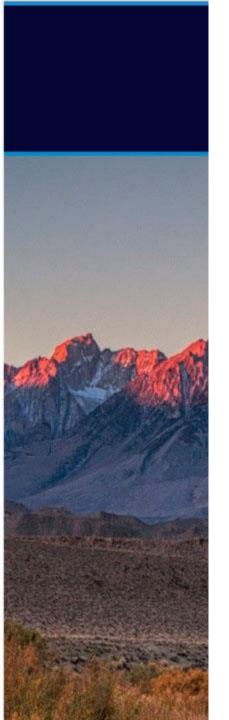
Aedes aegypti only:

Fresno, Imperial, Kings, Madera, Riverside, Merced, Tulare

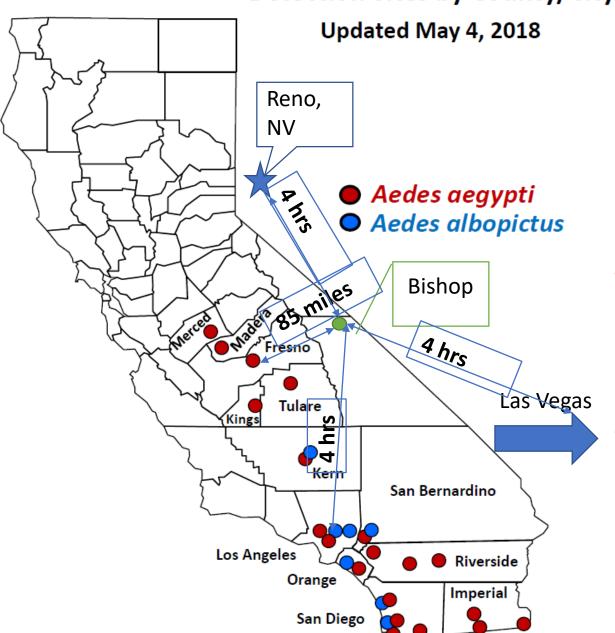
Both Aedes aegypti and Aedes albopictus:

Kern, Los Angeles, Orange, San Bernardino, San Diego

See pages 2 and 3 for *Aedes* detections by city or census-designated place in each county.



Aedes aegypti and Aedes albopictus Mosquitoes in California Detection Sites by County/City



Counties with

Aedes aegypti only:

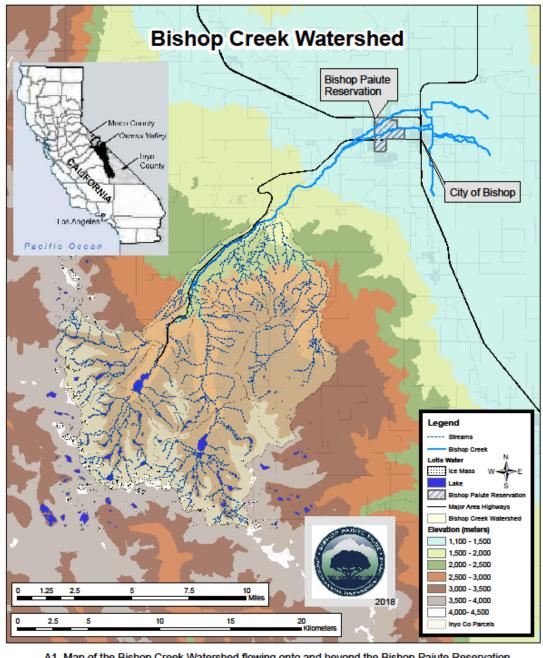
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Both *Aedes aegypti* and *Aedes albopictus*:

Kern, Los Angeles, Orange, San Bernardino, San Diego

See pages 2 and 3 for *Aedes* detections by city or census-designated place in each county.





A1. Map of the Bishop Creek Watershed flowing onto and beyond the Bishop Paiute Reservation. The upper watershed has a drainage area of approximately 76,762 acres.

The Reservation is located adjacent to and west of the City Of Bishop, California in Inyo County.

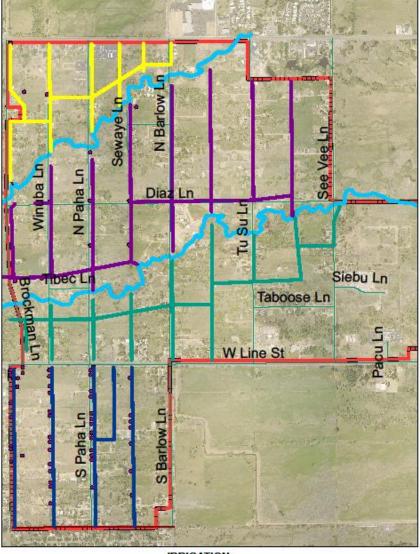








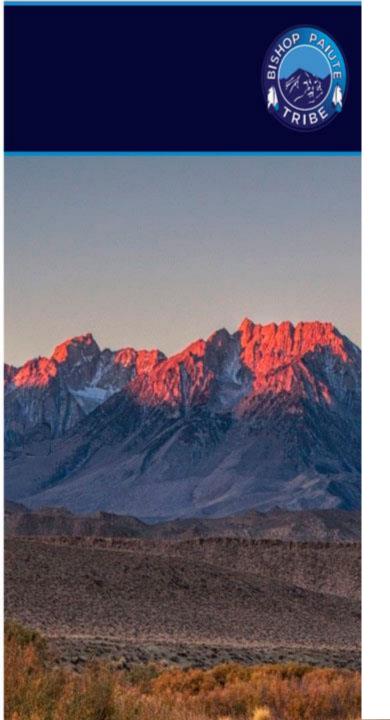
2017 Bishop Paiute Tribe Irrigation

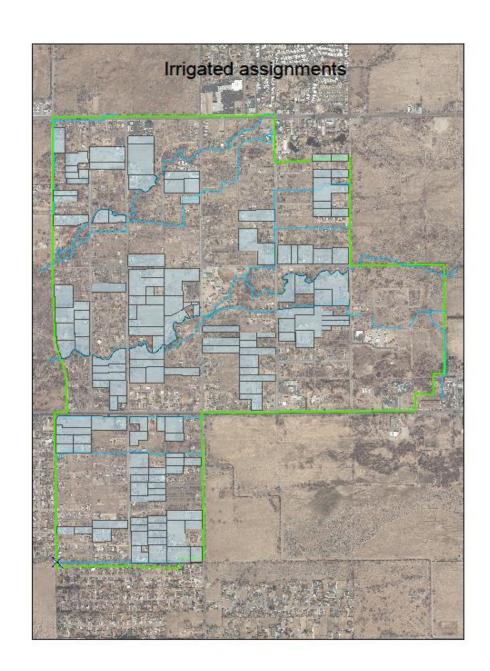


IRRIGATION

- -Line- A Irrigation_Valve
- -Line-B -Irrigation
- -Line-C -BishopPaiuteCreeks
- Line-D BishopPaiuteReservationBoundary





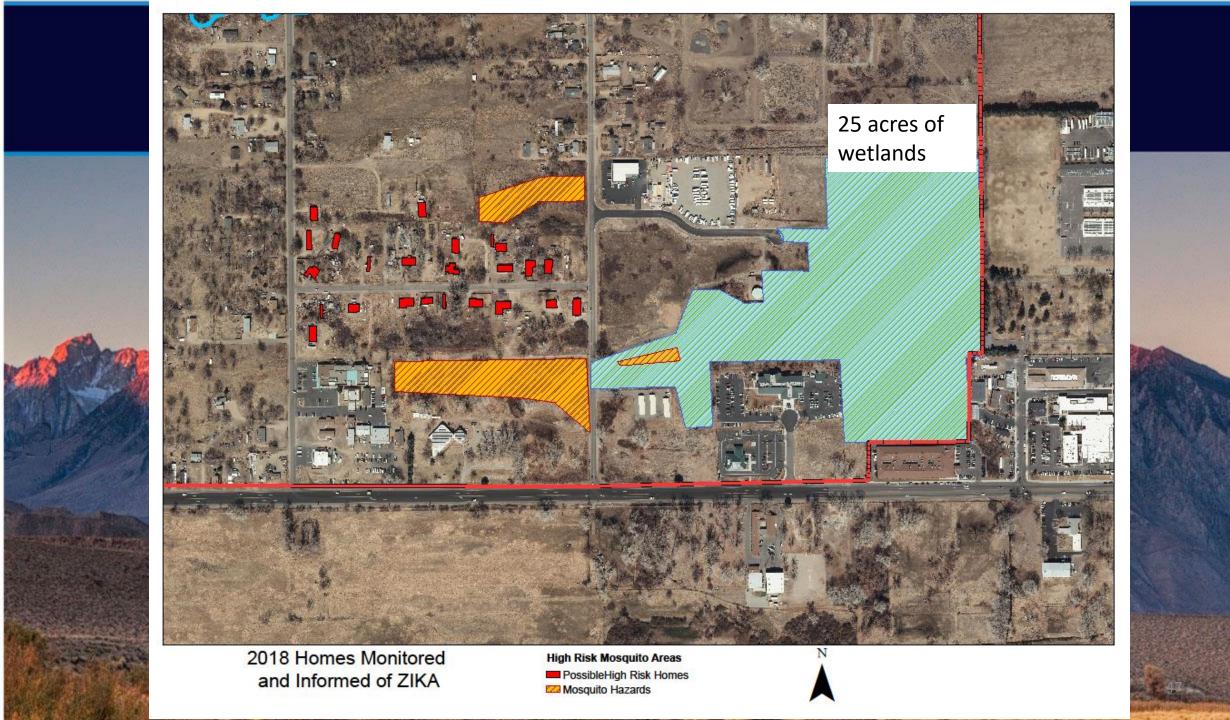






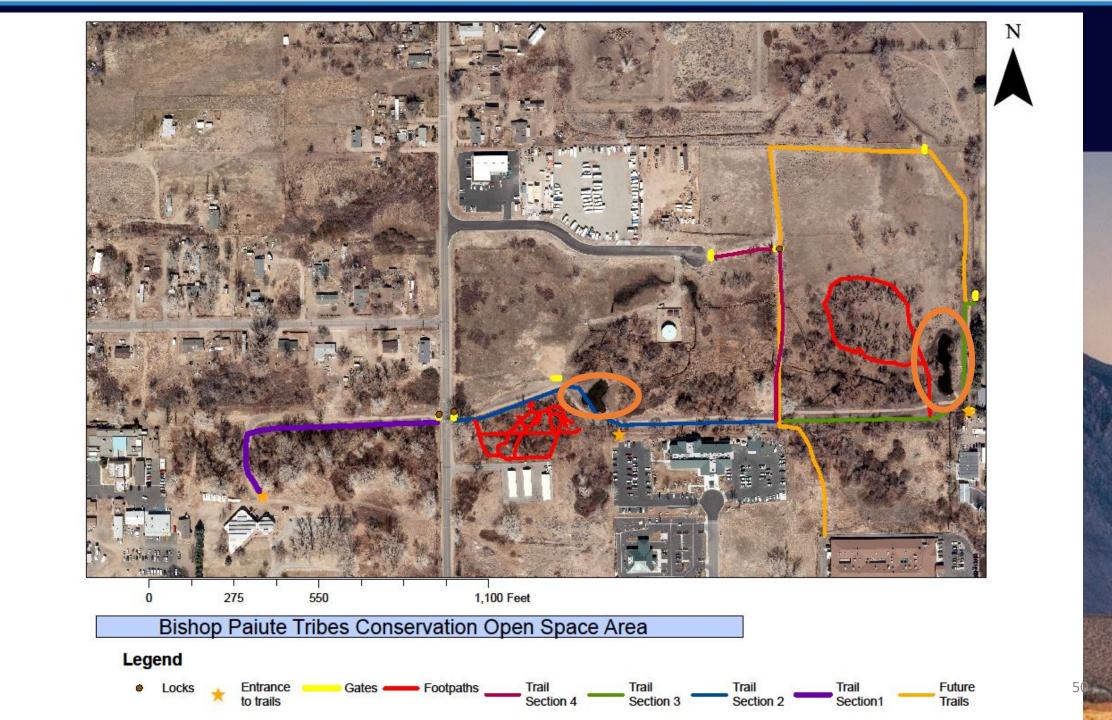


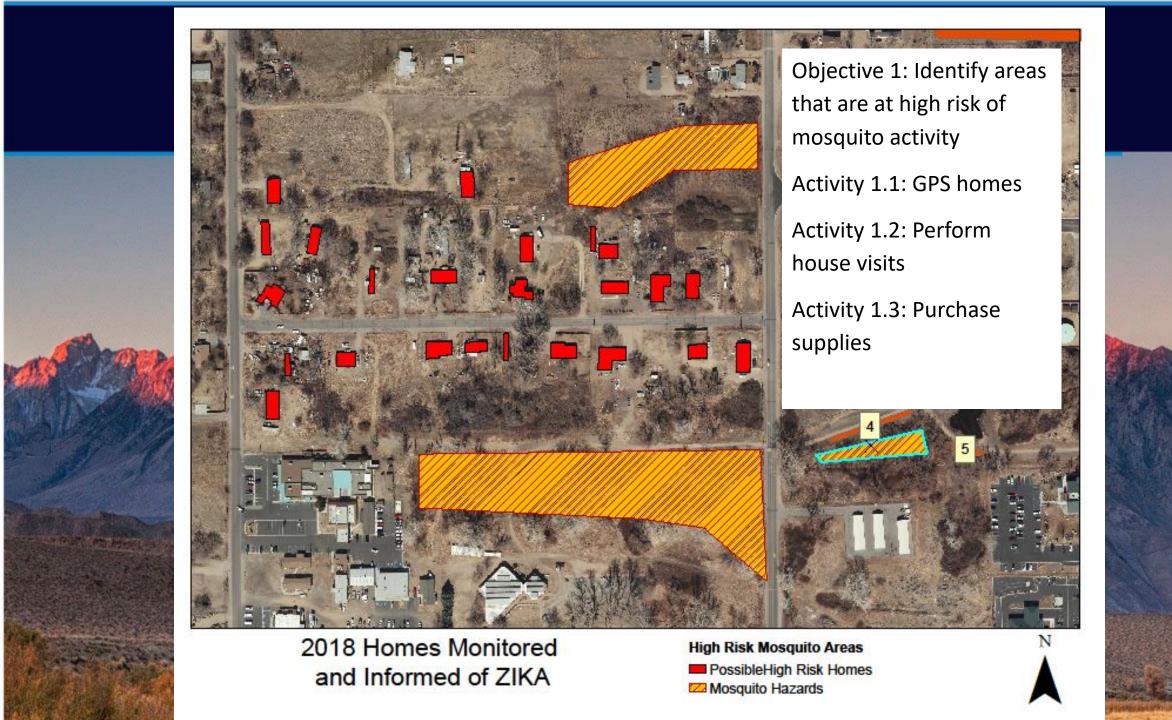


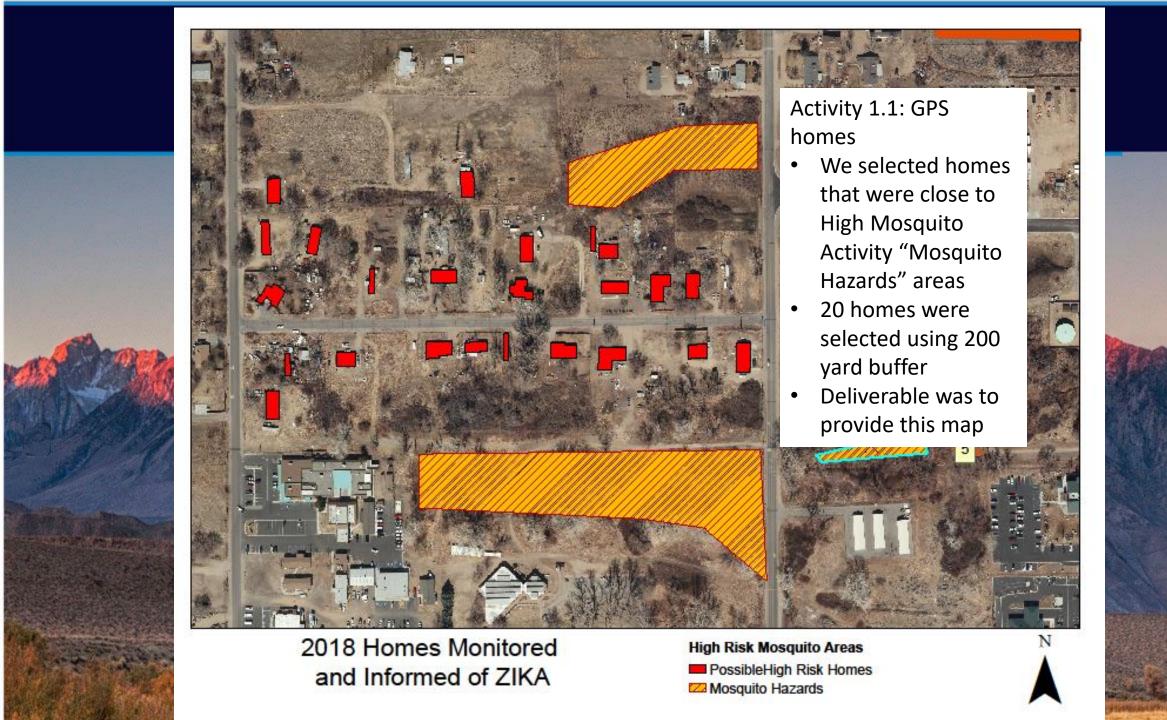












HOW DO YOU GET ZIKA?

Zika can be passed from an infected mosquito to a person through a mosquito bite.

Zika can be passed from a pregnant woman to her unborn baby.

Zika can be passed through sexual activity from an infected person to a partner.

These are the most common ways to catch Zika.



LEARN MORE

- National Indian Health Board (NIHB) Zika hub: nihb.org
- Centers for Disease Control and Prevention (CDC) Zika: cdc.gov/ zika/index.html?
- World Health Organization (WHO)
 Zika history: who.int/emergencies/
 zika-virus/history/en

CONTACT US

National Indian Health Board 910 Pennsylvania Ave, SE Washington, DC 20003 202-507-4070 www.nihb.org

Brochure developed 2/2015

National Indian Health Board





ENSURING Your tribe is Protected

NATIONAL INDIAN HEALTH BOARD
WITH SUPPORT FROM CENTERS
FOR DISEASE CONTROL AND
PREVENTION

Activity 1.2: Perform house visits on half of the households we provided this brochure and we then revisited the houses and ask 5 question questionnaires and see if they learned anything about the ZIKA Virus

WHAT IS THE ZIKA VIRUS?

Zika is a virus carried by Aedes aegypti and Aedes albopictus mosquitoes.

Zika was first discovered in Uganda, East Africa in 1947. Now, Zika has spread to many countries around the world.

The mosquitoes that carry Zika can bite day and night.

Zika is a special concern for women who are pregnant or may become pregnant. However, the entire community needs to come together to prevent Zika and protect the next generation.

There is currently no cure or vaccine for 7 ika

WHAT HAPPENS If you get zika?



Most people experience no symptoms or mild symptoms including fever, rash, joint and muscle pain, headache, and red eyes

Zika can cause *very serious* birth defects, including microcephaly and brain damage.

Zika is also associated with a nervous system disease called Guillain-Barré Syndrome.

HOW DO YOU PREVENT ZIKA?

- Use an insect repellent registered with the Environmental Protection Agency (EPA).
- Wear long sleeved shirts and pants when possible. Treat clothe with permethrin.
- Using condoms or refraining from sexual activity can reduce the risk of transmitting Zika. Talk to your doctor to understand your risk and get specific recommendations.
- Use mosquito netting over strollers, cribs, and beds wher exposed to mosquitoes
- Empty standing water around your home. Use water treatment tablets in water you cannot empty.





Learned What the Zika Virus Is	Learned that you Zika Virus can passed from a pregnant woman to an Unborn Baby	Learned that most people experience no symptoms or mild symptoms.	Learned that mosquitoes can Bite in the day time too	learned that they could be the cause of mosquito habitat by leaving water in small containers around or in house.
5	9	7	1	4
10000000000000000000000000000000000000	Market State Control	Jill Hay		



Assessments





Assessments





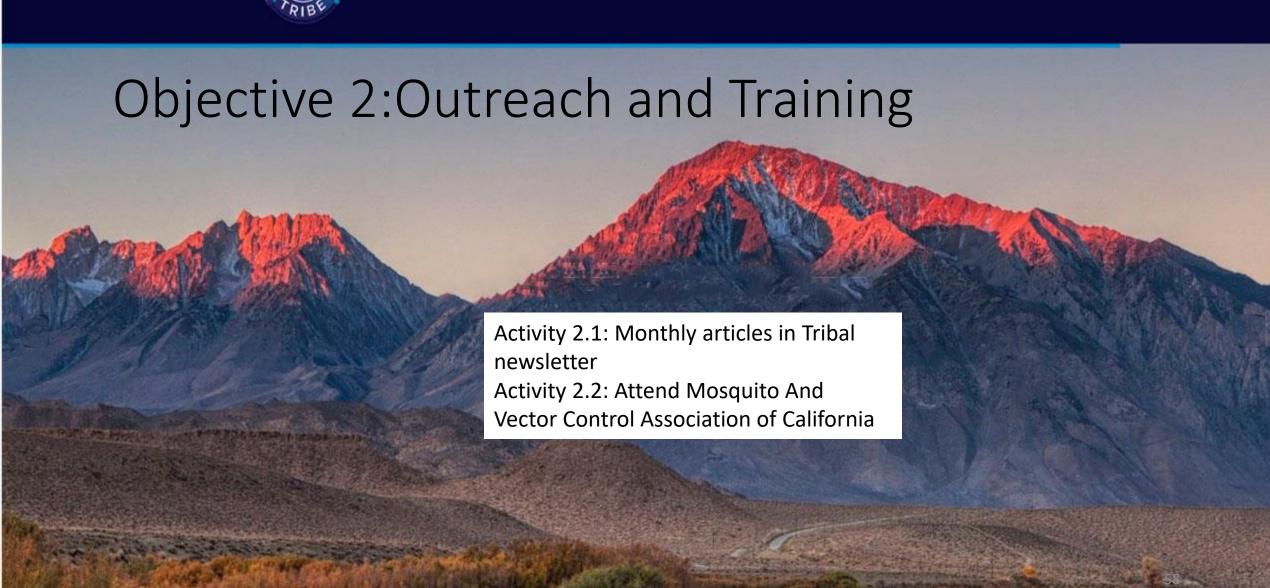










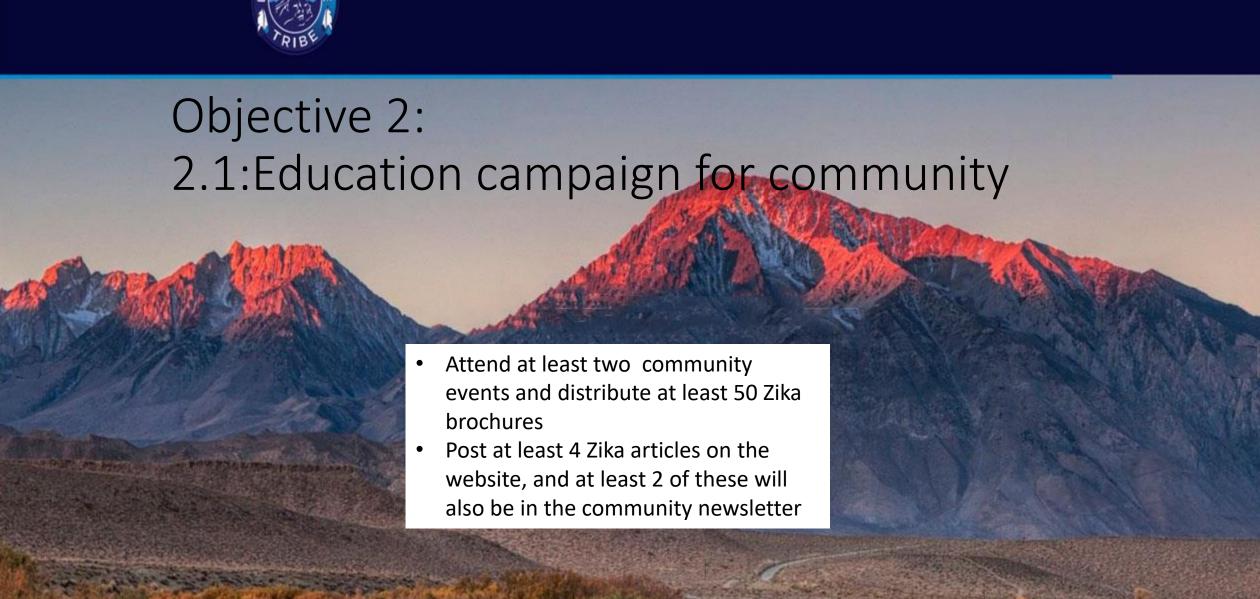














2.1:Education campaign for community



Bishop Paiute Tribe Environmental Department Receives Funding to Support Tribal Zika Response and Planning Activities

The <u>Bishop Paiute Tribe Environmental Management Office</u> has been awarded \$5000 to support Tribal Zika response and planning activities. The Bishop Paiute Tribe) is one of three Tribes to receive funding in this cycle through the Tribal Zika Response and Planning Project administered by the National Indian Health Board (NIHB). Funding for the Tribal Zika Response and Planning is provided by the Centers for Disease Control and Prevention (CDC).

The Bishop Paiute Tribe Environmental Management Office will use the grant to participate in Zika response and prevention activities including treating and monitoring mosquito sites

For more information about the local Tribal program, please contact Thomas Gustie, Natural Resource Specialis at thomas gustie@bishoppalute.org or 760-873-3584







WHAT IS THE ZIKA VIRUS?

Zika virus is a mosquito-borne virus that prior to 2015 occurred in Africa, Southeast Asia, and the Pacific Islands. Zika virus has been identified in several countries throughout South America, Central America, and the Caribbean, as well as states in Mexico. In the U.S., limited local transmission are ported in Florida, and <u>Texas</u>. Most Zika cases reported in California have been travelers returning from Zika-affected areas, this includes several sexually-transmitted cases and pregnancies reported to the <u>U.S. Zika Pregnancy Registry</u>.

The mosquitoes that carry Zika can bite day and night.

Zika is a special concern for women who are pregnant or may become pregnant. However, the entire community needs to come together to prevent Zika and protect the next generation.

There is currently no cure or vaccine for Zika

WHAT HAPENS IF YOU GET ZIKA?

- Most people experience no symptoms or mild symptoms including fever, rash, joint and musde pain, headache, and red eyes.
- Zika can cause very serious birth defects, including microcephaly and brain damage.
- Zika is also associated with a nervous system disease called Guillain-Barré Syndrome

HOW DO YOU PREVENT ZIKA

- Use an insect repellent registered with the Environmental Protection Agency (EPA).
- · Wear long sleeved shirts and pants when possible. Treat dothes with permethrin.
- Using condoms or refraining from sexual activity can reduce the risk of transmitting Zika. Talk to your doctor to understand your risk and get specific recommendations.
- · Use mosquito netting over strollers, cribs, and beds when exposed to mosquitoes.
- Empty standing water around your home. Use water treatment tablets in water.

For more information about the program please call

Tom Gustie, Natural Resource Specialist

Phone # (760) 873-3584 ext 2130





2.1:Education campaign for community



Jse Insect Repellent

se Environmental Protection Agency (EPA)-registered insect repellents

rith one of the active ingredients below. When used as directed, EPA-registered sect repellents are proven safe and effective, even for pregnant and breastfeed-

- Picaridin (known as KBR 3023 and icaridin outside the US)
- Oil of lemon eucalyptus (OLE) or para-menthane-diol (PMD)

nd the insect repellent that's right for you by using EPA's search tool.

ips for Everyone

- Always follow the product label instructions.
- · Reapply insect repellent as directed.
- Do not spray repellent on the skin under clothing.
- If you are also using sunscreen, apply sunscreen first and insect repellent sec-

ZIKA VIRUS

What we know

- Zika is spread mostly by the bite of an infected Aedes species mosquito (Ae. aegypti and Ae. albopictus). These mosquitoes bite during the
- ZIKA can be passed through sexual activity from an infected partner
- Zika can be passed from a pregnant woman to her fetus. Infection during pregnancy can cause certain birth defects.
- There is no vaccine or medicine for

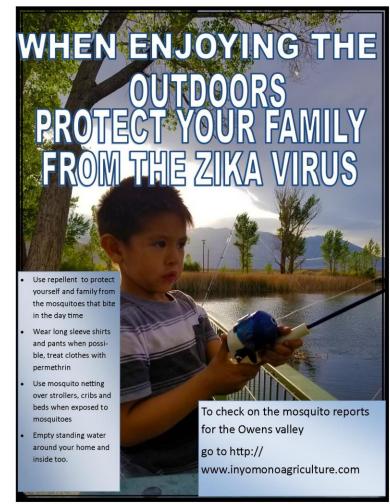
Local mosquito-borne Zika virus transmission has been reported in the continental United States

FOR DEAD BIRD SUBMIS-SIONS PLEASE SEE THE COPH SITE AT: http://www.westnile.ca.gov/ report_wnv.php OR CALL: 1-877-WNV-BIRD

THE CALIFORNIA DEPARTMENT OF PUBLIC HEALTH WEST NILE VIRUS

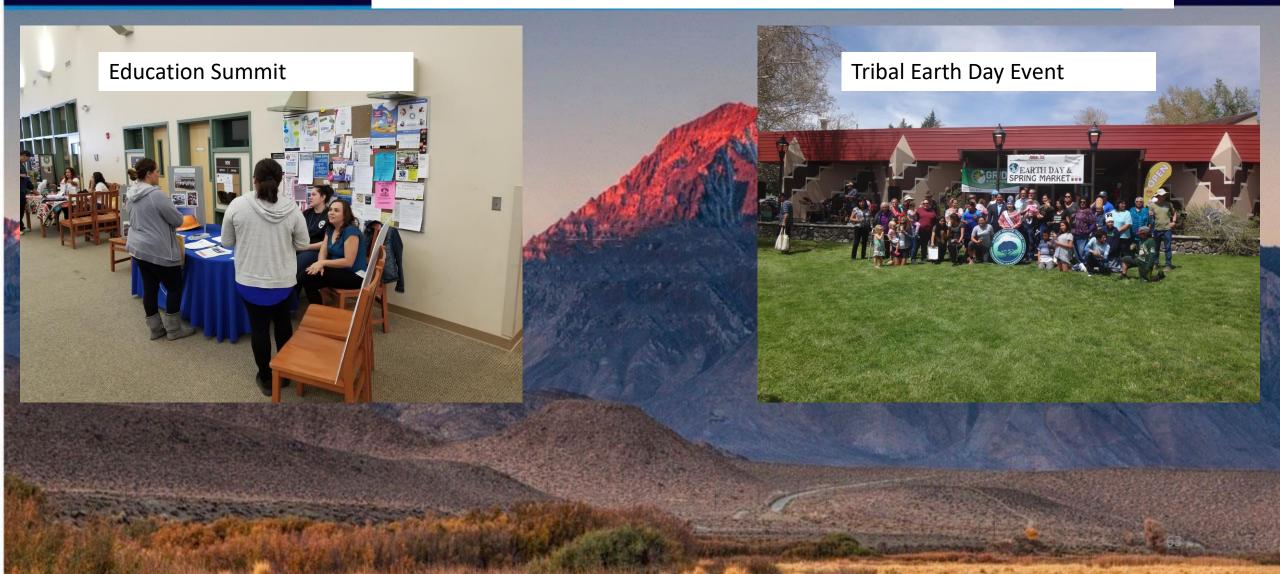
CAN BE FOUND AT: http:// www.westnile.ca.gov/







2.1:Education campaign for community





Activity 2.2: Attend Mosquito And Vector Control Association of California

CONCLUSION The number of Zika cases being reported across the Americas has decreased substantially since the peak of the outbreak in 2016 Travel-related Zika cases have also decreased across the U.S. and in California Many countries, including Mexico are still reporting moderate levels of active Zika transmission, continuing to pose a risk to travelers, especially pregnant women Viremic travelers continue to return to California creating ongoing risk for local transmission in Southern California and the Central Valley where Aedes degypti and/or albopictus are well established We need to prepare for future er arboviruses outbreaks of

Real-Time Data Collection

Advantages

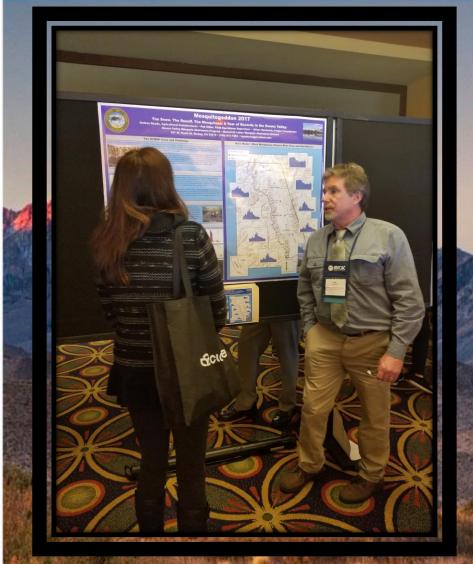
- No data entry!
- Decreases workload & extends staff
- Prevents paper survey problems
- Results available more quickly
- Future benefits with technology improvements?
- Fun/interesting to volunteers?

Anticipated Problems

- Data quality issues
- · Technical difficulties
- Acceptability to volunteers
- Privacy & property access challenges
- Can volunteers recognize mosquito sources?



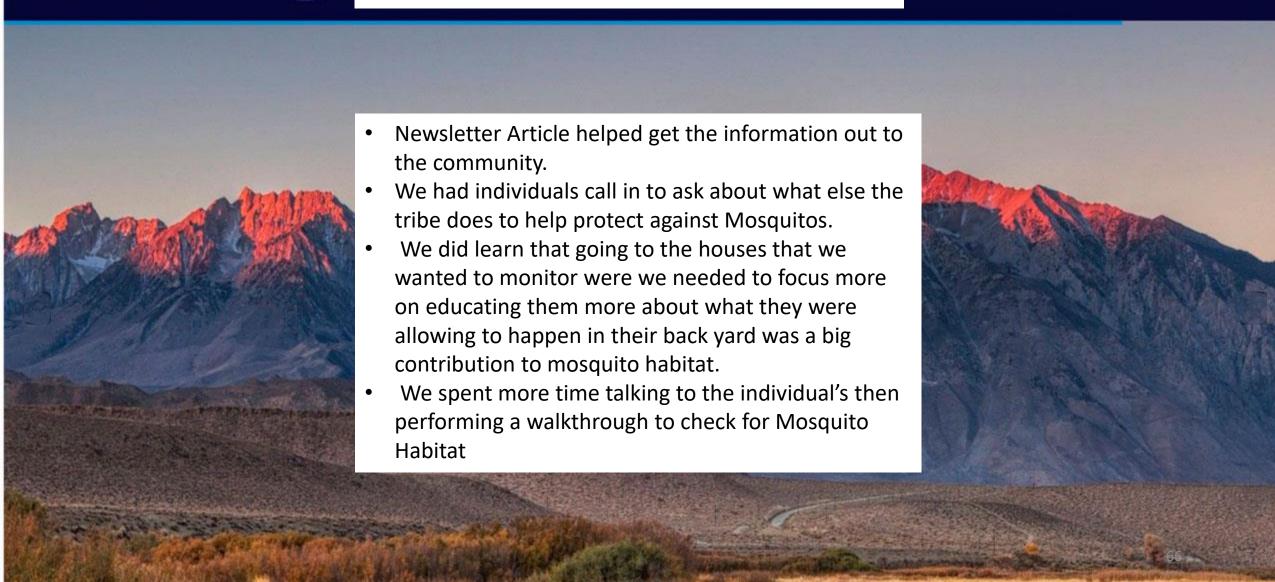
Activity 2.2: Attend Mosquito And Vector Control Association of California





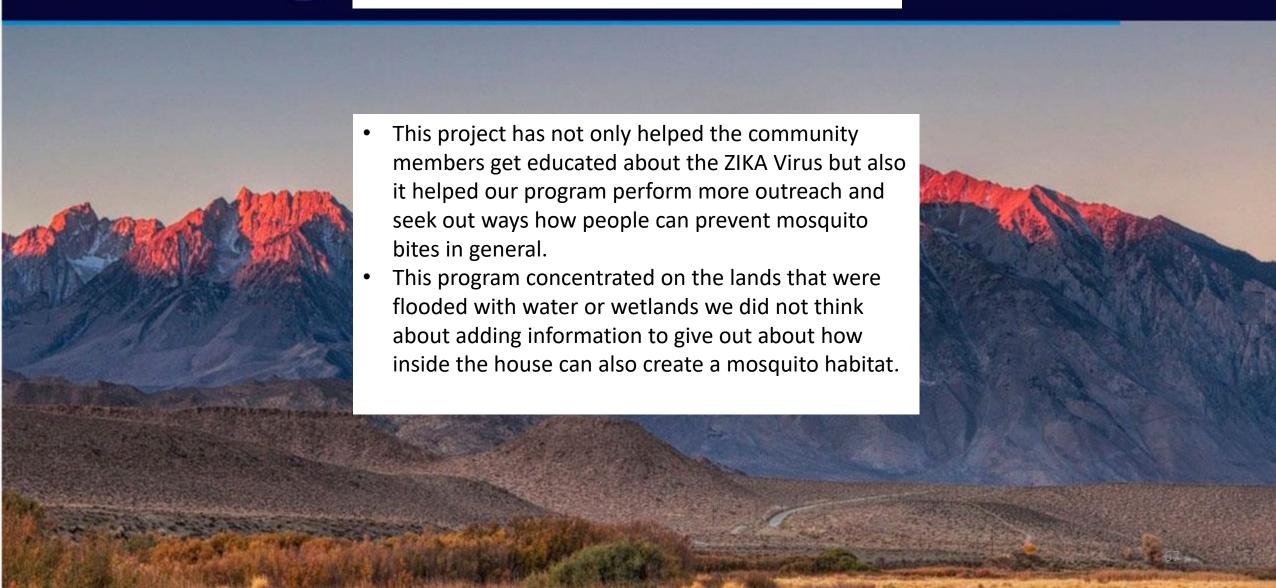


Lessons Learned



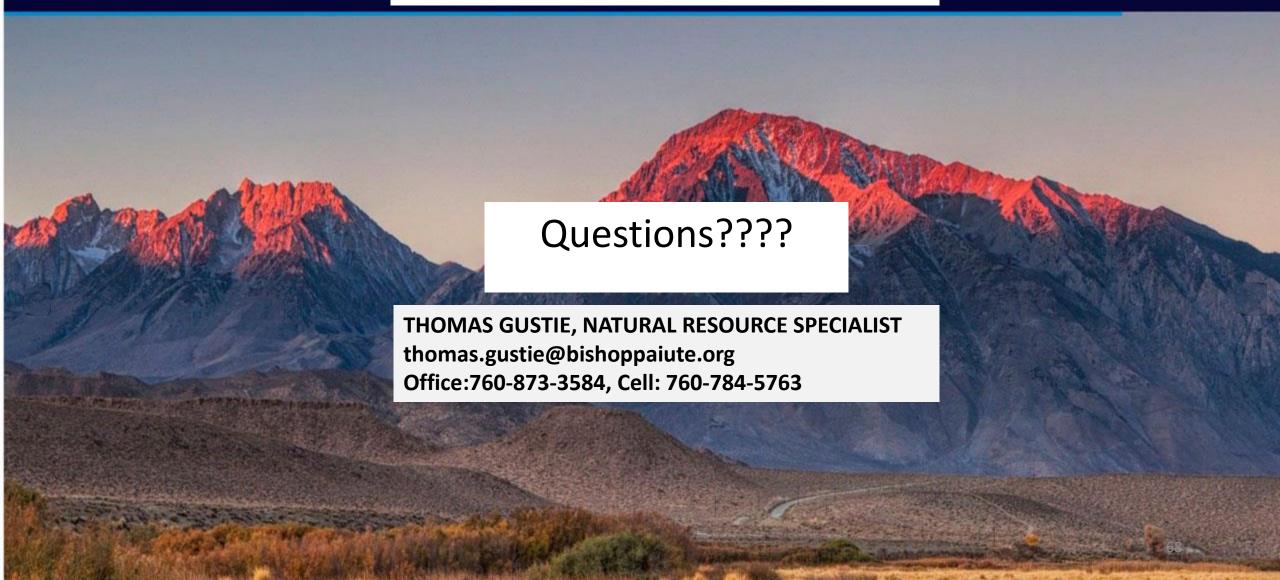


Benefit of Project





Thank You





Thank you to our presenters!

Q&A and Discussion





Thank you!

