



# West Nile Virus and Mosquito Control Update 2007

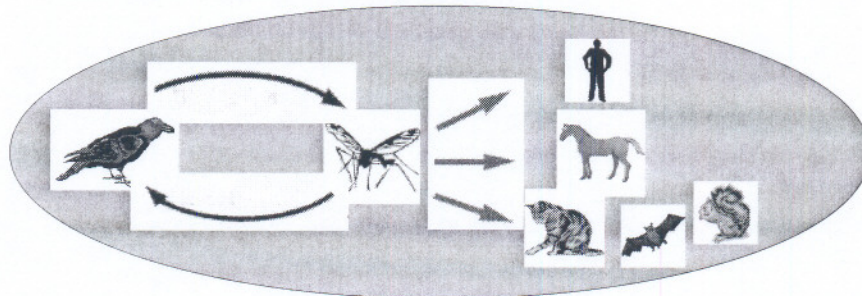
El Dorado County  
Environmental Management Department  
& Public Health Department

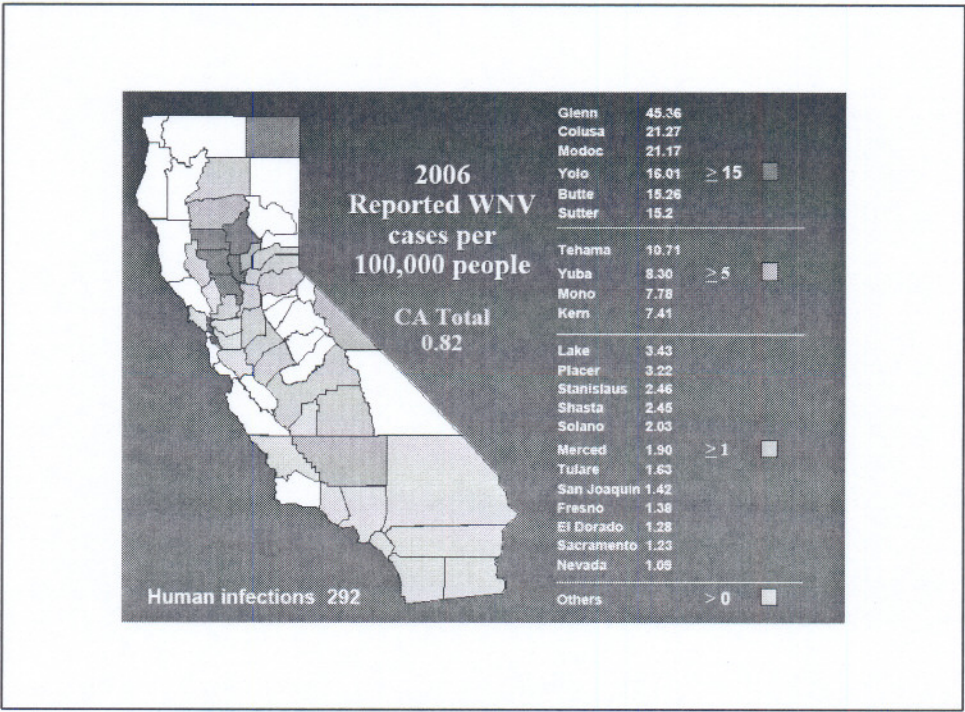
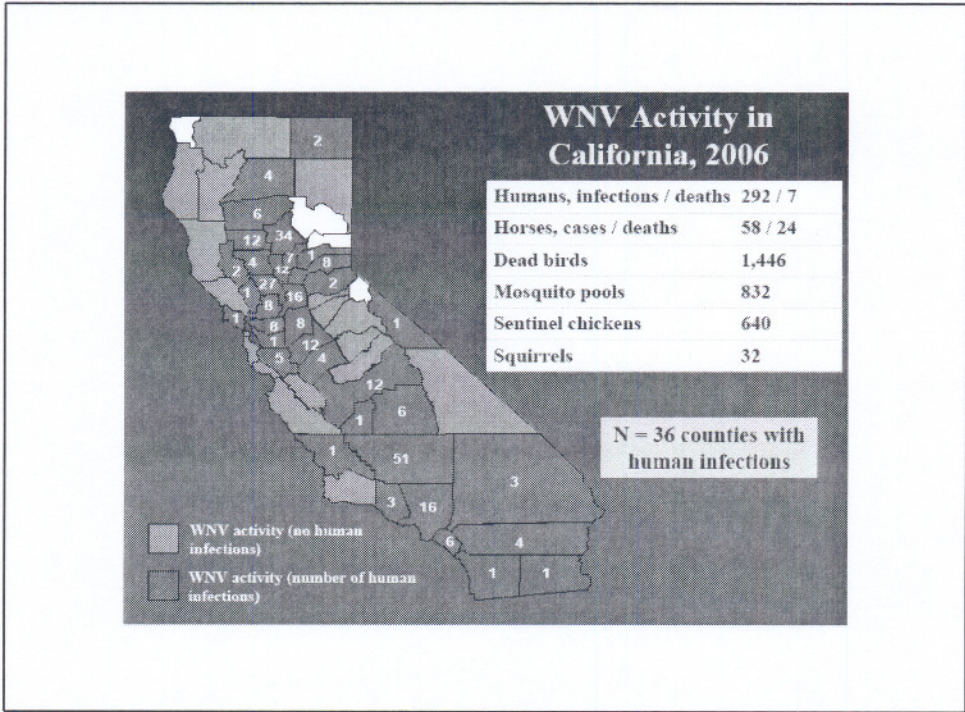


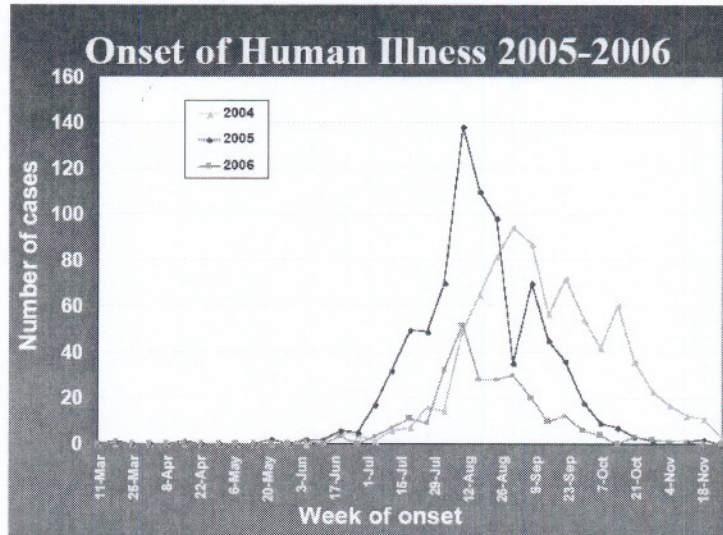
Presented by  
Ginger Huber, REHS

## West Nile Virus Transmission

- **RESERVOIR HOSTS:** Wild Birds
- **INCIDENTAL HOSTS:** Humans, horses, other mammals
- **VECTORS:** Mosquitoes







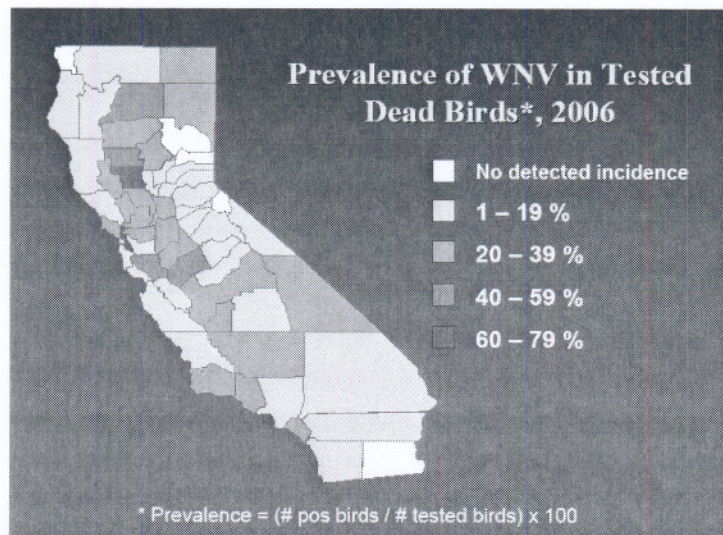
## Dead Bird Surveillance

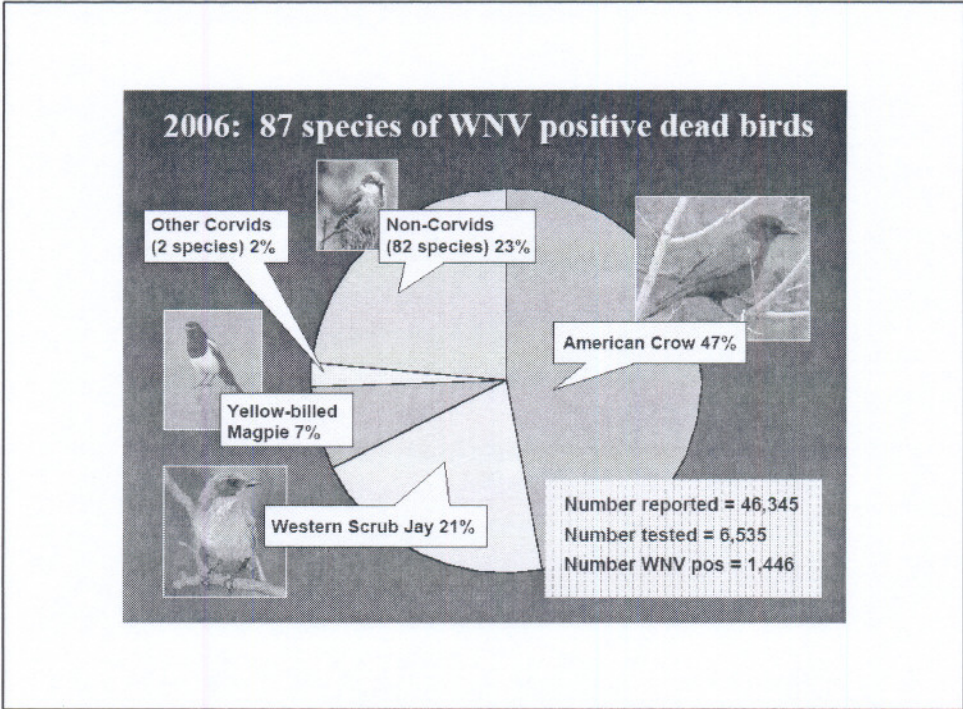
(877) 968-BIRD



### Dead Bird Surveillance Program 2000 - 2006

Year	Reported	Tested	Positive
2000	40	20	0
2001	68	18	0
2002	3,666	653	0
2003	8,650	1,765	96
2004	93,057	5,728	3,232
2005	109,375	9,263	3,046
2006	46,345	6,535	1,446

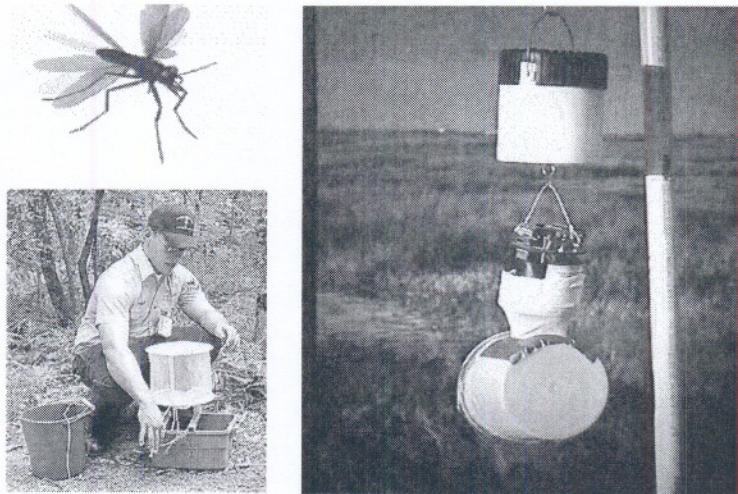




**WNV in California  
 Tree Squirrels - 2006**

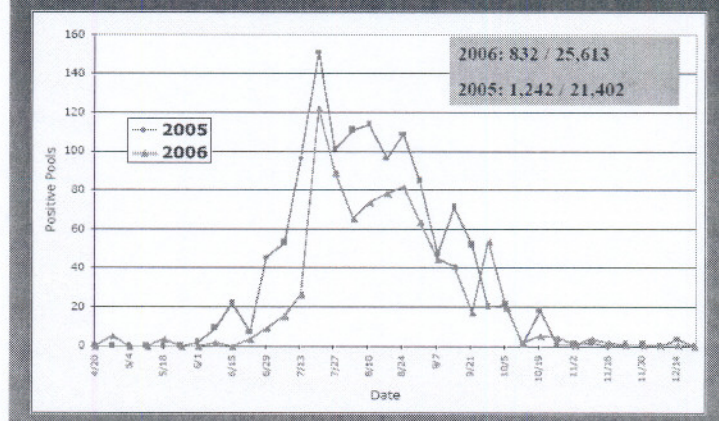
- First positive squirrel: August 1, 2006
- Prevalence (PCR): 23.2% (32/138)
  - nine counties with positive tree squirrels
- Similar to prevalence in dead birds (22.1%)

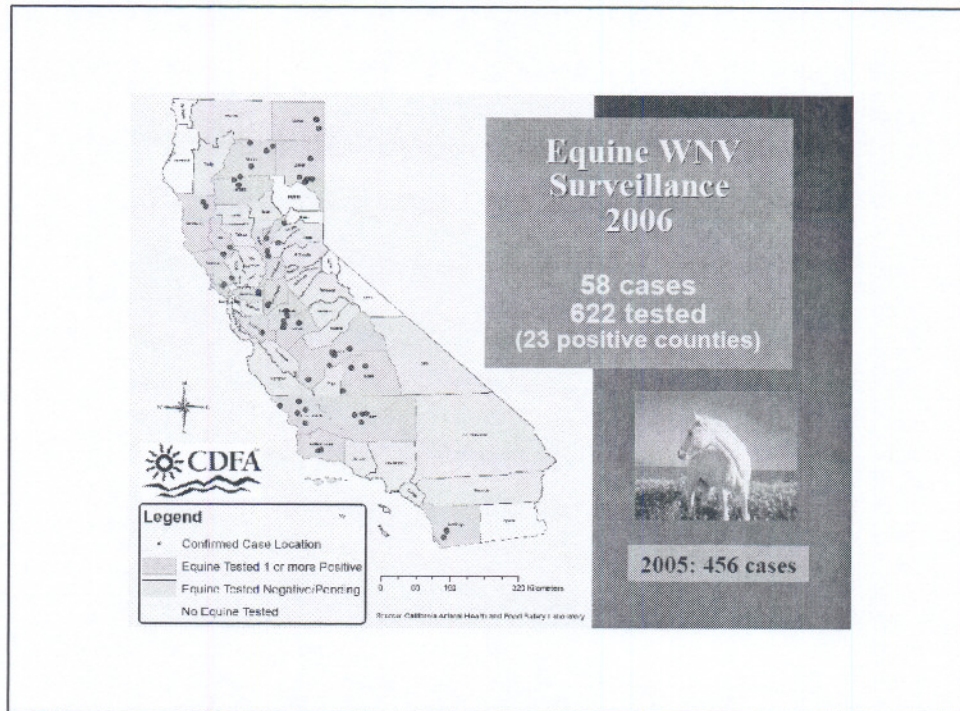
## WNV Activity in Mosquitoes in 2006



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### WNV Activity in Mosquitoes number positive pools





## 2006 Equine WNV Cases

- **58 WNV infected horses (23 counties)**
- **24 (41%) died / euthanized**
- **Vaccination status**
  - 5 properly vaccinated
  - 2 improperly vaccinated
  - 44 non-vaccinated
- **Median age: 11 years (1 – 34 years)**





## ***El Dorado County West Nile Virus Activity***

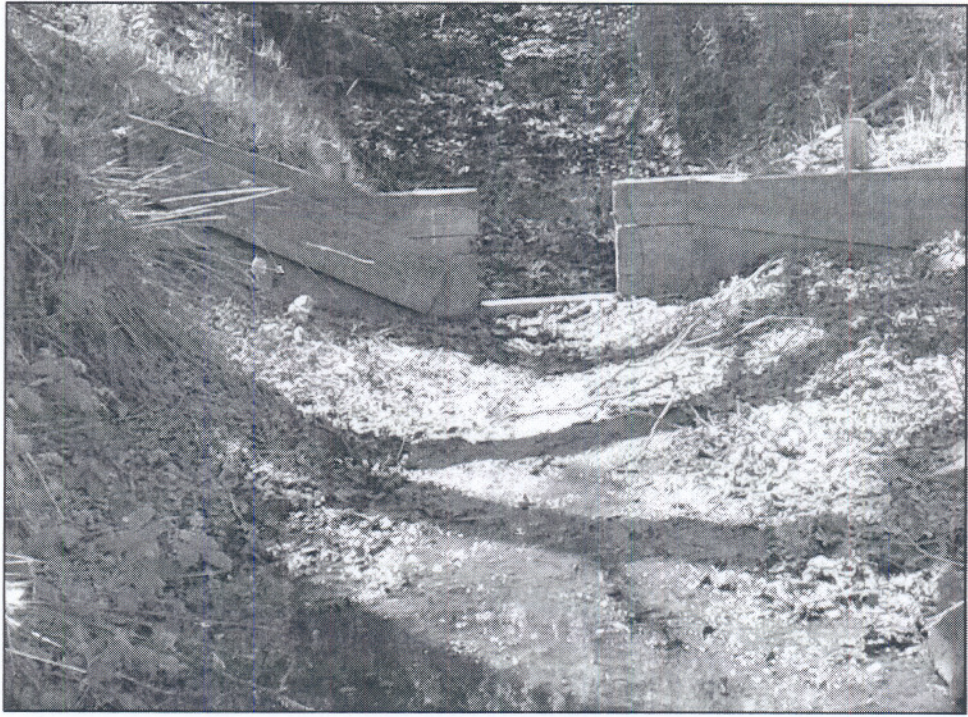
	2005	2006
Human Cases	1	2
Horses	5	0
Dead Birds	68	19
Squirrels	3	0
Mosquito Pools	0	2

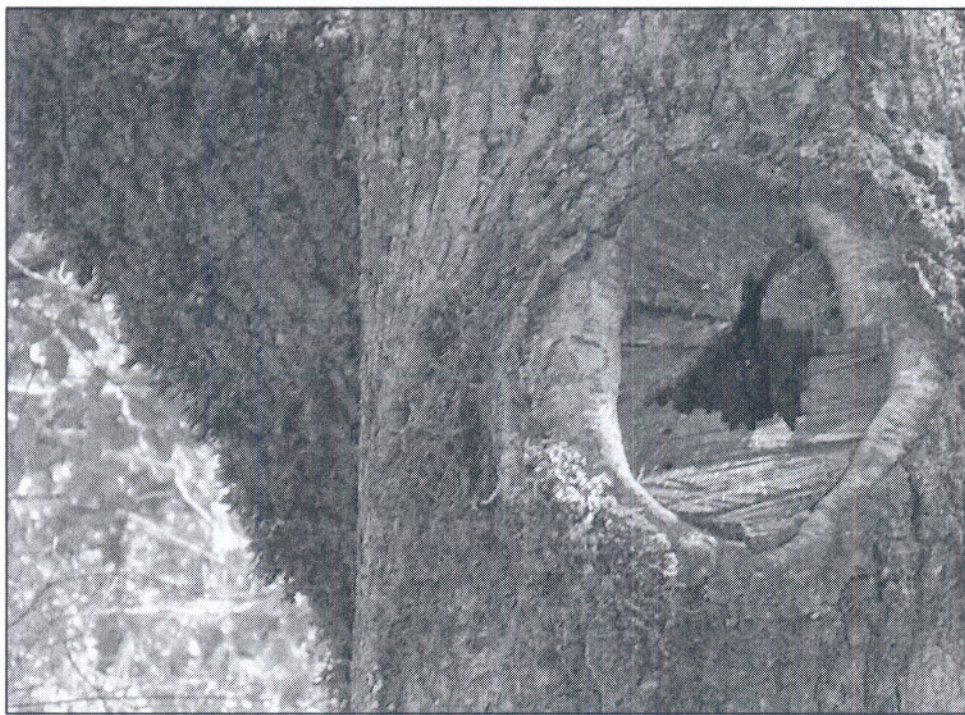


## **West Slope Vector Activities**

	2005	2006
Sources Inspected	253	287
Service Requests/ Complaints	230	534
Mosquito fish distribution	0	37













## El Dorado County Response 2007

- WNV Continues to be a Public Health Risk
- Public Education/West Nile Watcher
- WNV Task Force
- Prevention—Dress, DEET, Drain, Dusk and Dawn