

# ORR Wildlife Management Update – February 5, 2010



**Presented by  
Neil Giffen  
ORR Wildlife Management Coordinator**



**Managed by UT-Battelle  
for the Department of Energy**

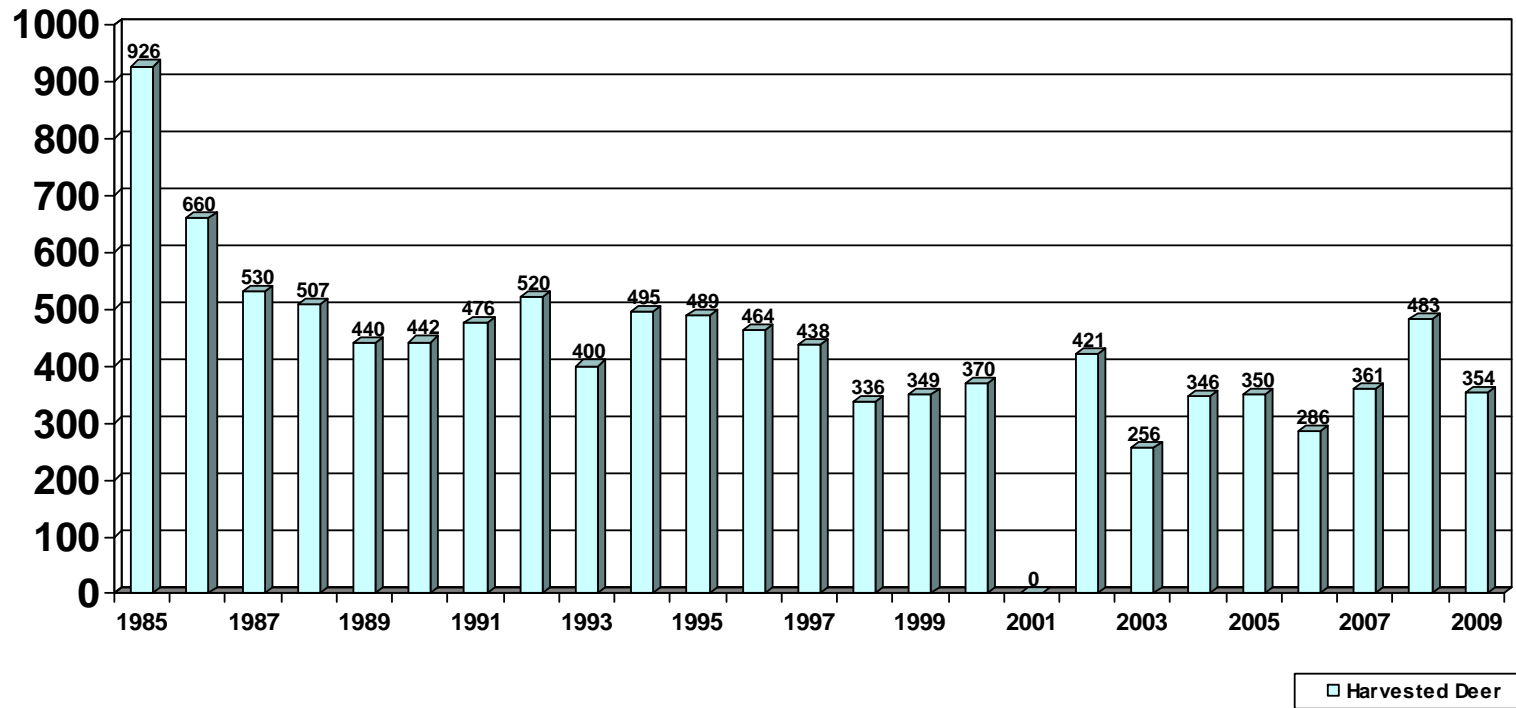
# White-tailed Deer Management



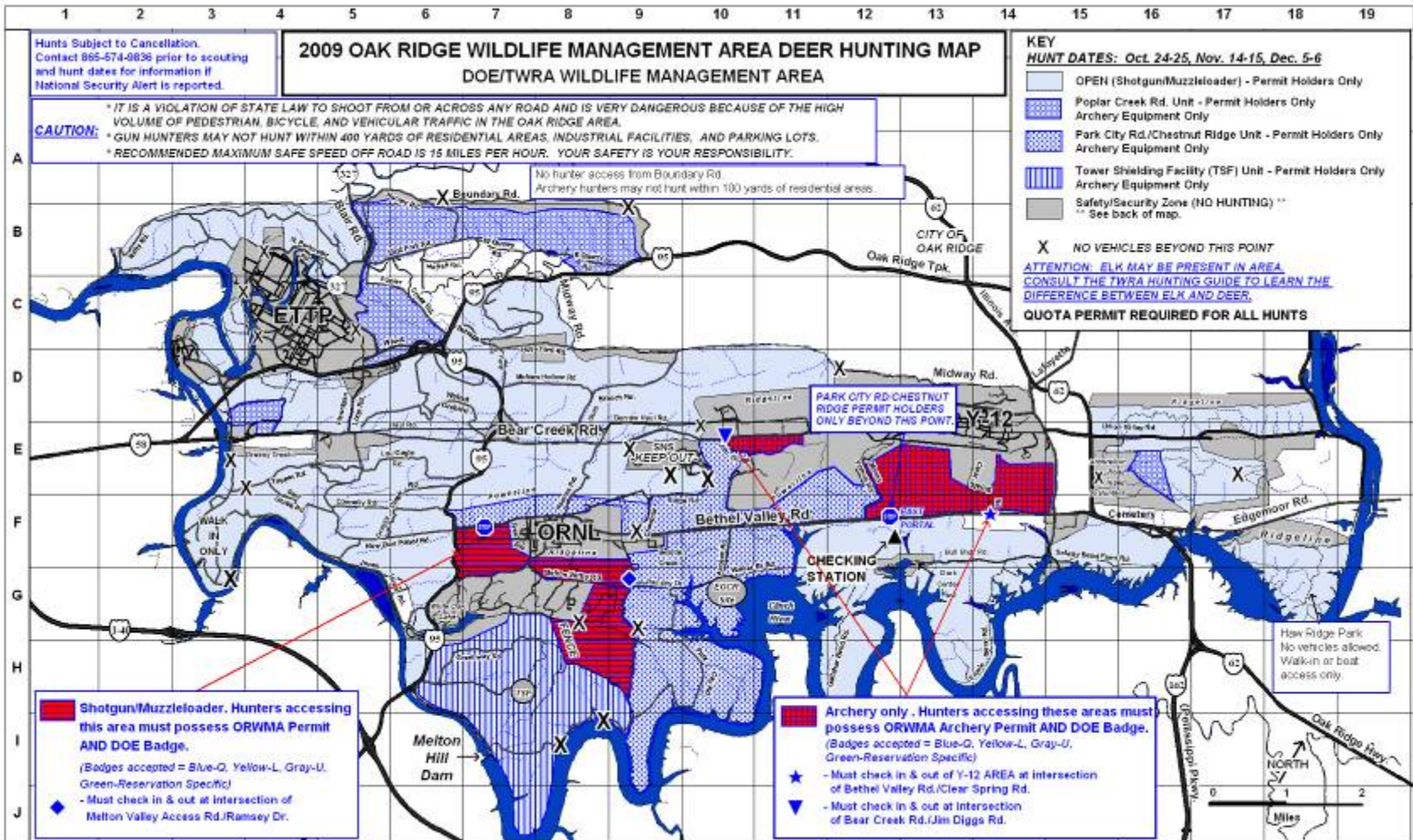
## Deer Hunts on the ORR, 1985-2009

Bucks	6001	56.1%
Does	4698	43.9%
Total	10699	
Retained	197; 1.84%	
Heaviest	218lbs, 1998	
Most points	28 (2009)	
Avg. Weight	85.9 Lbs.	
Eldest	12 years	
Avg. age	1.9 years	

# ORR DEER HARVEST BY YEAR







# Life at the Deer Check Station





# UT Students Aging Deer



# Check-in Table at Deer Check Station





# Beta Scintillation Detector (Ludlum Probe) used to measure beta energies in leg bone samples



# Sodium Iodide Detectors in Deer Check Station Office



Measures gamma energies in deer tissue samples.

# Office Set-up at Deer Check Station

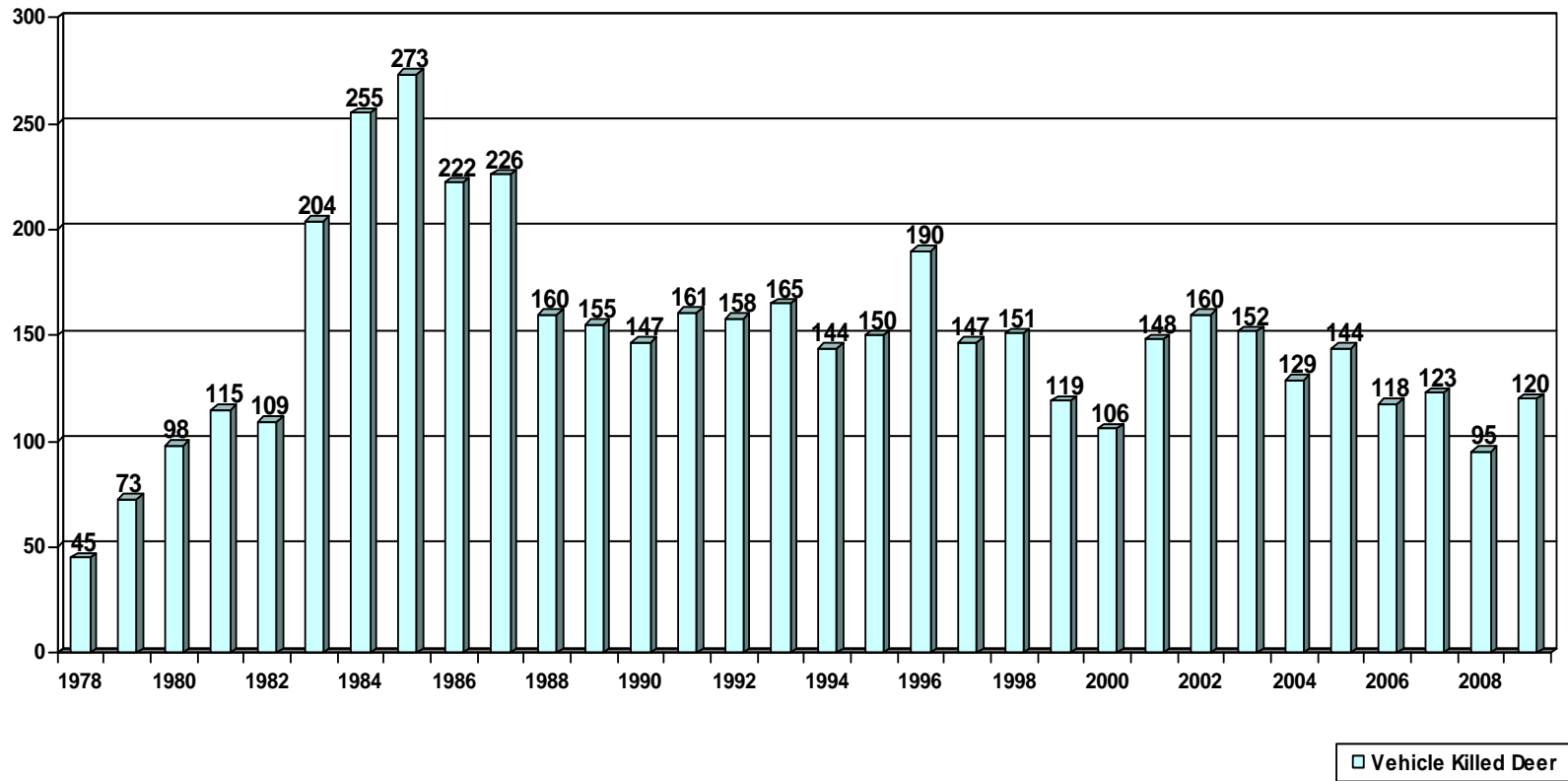




# UT Tick Study



# OAK RIDGE AREA VEHICLE KILLED DEER







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# Wild Turkey Management



photo by Curtis Boles

- Forty birds originally released on the ORR in 1985-86; population is now well over 1,000.
- The wild turkey population on the ORR is managed through yearly spring hunts.
- Turkey hunts were initiated in 1997 as a means of managing the increasing population on the reservation. Between 1997 and 2009, 530 turkeys were harvested on the reservation.
- Turkeys are also trapped and relocated to other areas in east Tennessee.



## Turkey hunts on the ORR, 1997-2009

Adults	459	86.6%
Juveniles	71	13.4%
Total	530	
Retained	3; 0.57%	
Heaviest	25.7 lbs (2009)	
Longest Beard	13.5"	
Avg. Beard Length	9.2"	
Longest Spur	1.5%	
Avg. Spur Length	0.8"	

# Turkey Check-in

**Turkeys are measured (beard and spur), weighed, and checked for radiological contamination.**

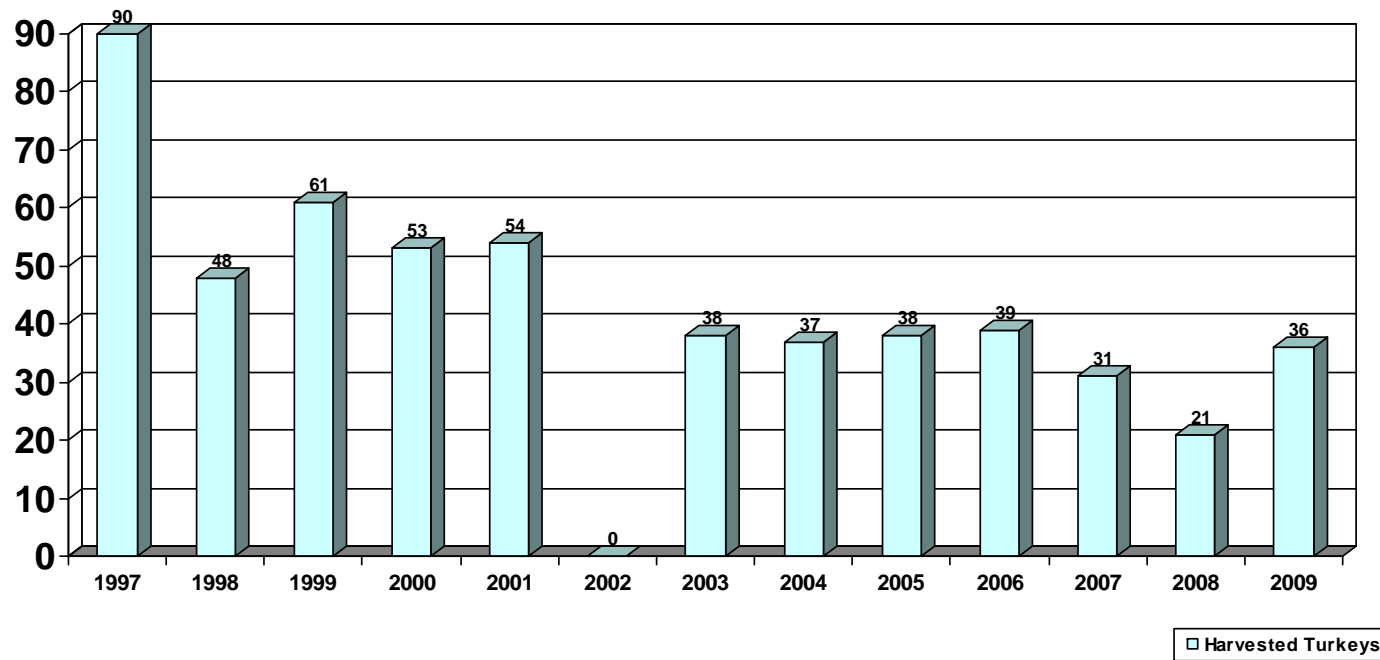


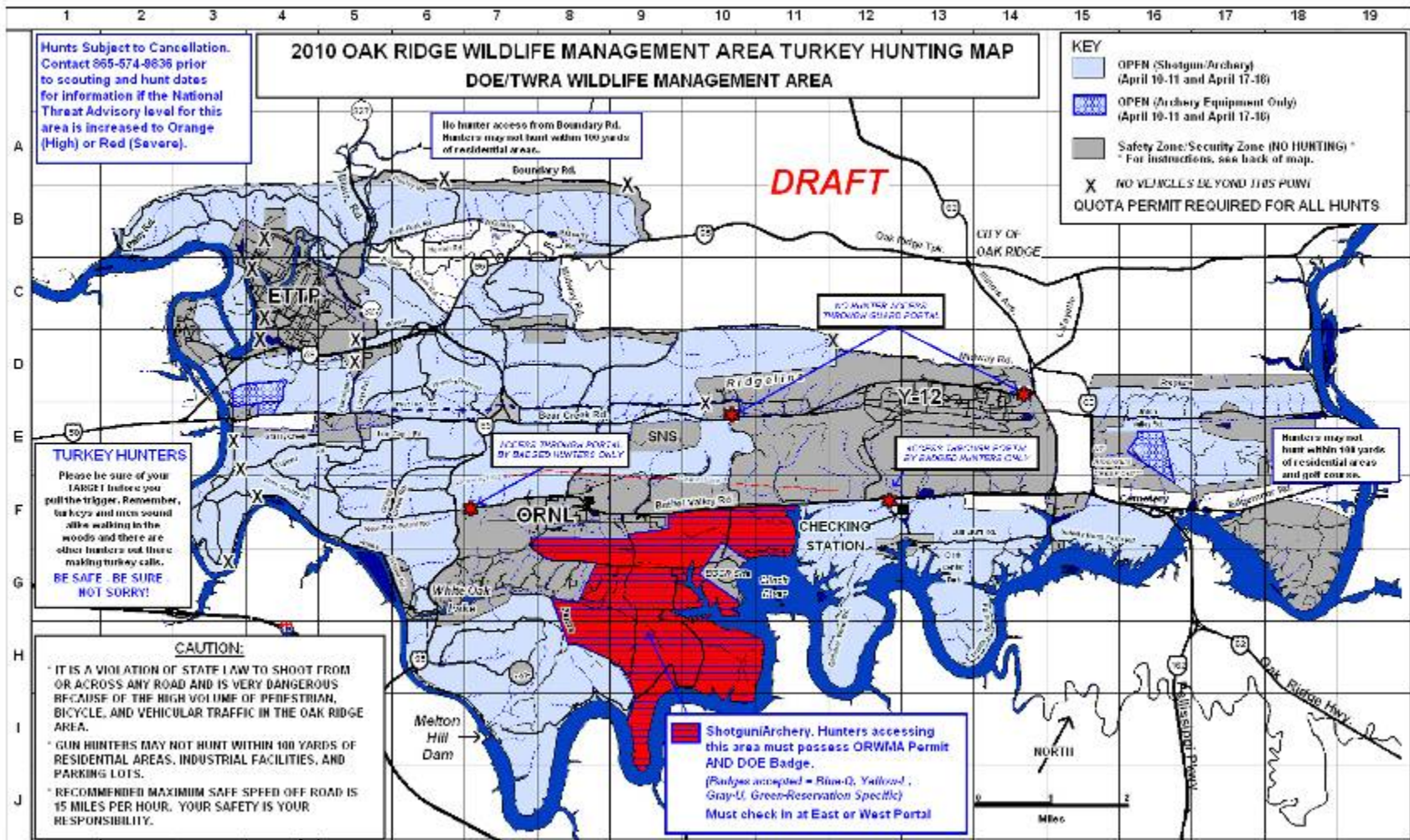






## ORR TURKEY HARVEST BY YEAR







# ***BE FREE!***





# Canada Geese on the ORR



# Canada Goose Management on the ORR

Management techniques used on the ORR to address goose nuisance problems:

- Addling/oiling eggs to limit nesting success.
  - Addled 60 eggs in 2005.
  - Addled 67 eggs in 2006.
  - Addled 73 eggs in 2007.
  - Addled 48 eggs in 2008.
  - Addled 51 eggs in 2009.
- Relocation of geese to other areas in east Tennessee. Geese are collected for relocation in yearly round ups during their summer flightless period.
  - Relocated 117 geese in 2005.
  - Relocated 203 geese in 2006.
  - Relocated 203 geese in 2007.
  - Relocated 227 geese in 2008.
  - Relocated 63 geese in 2009.



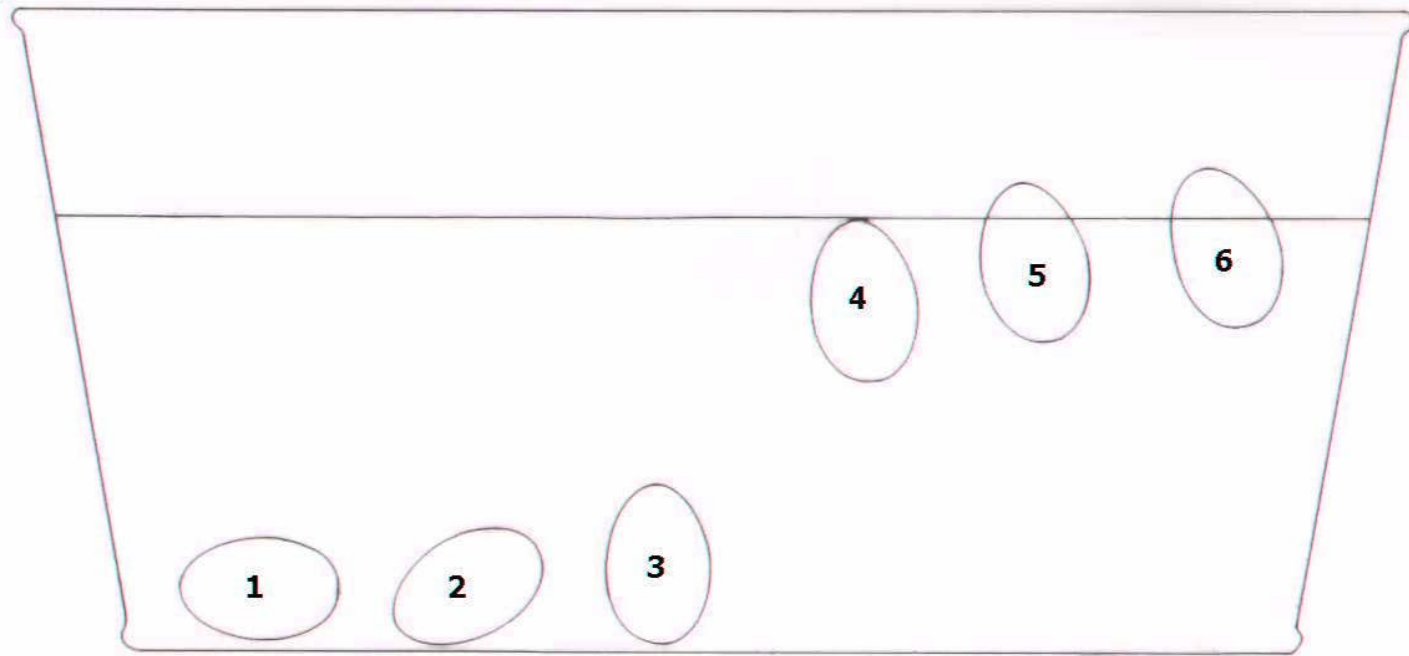
# Canada Goose Egg Addling







# Humane Society Protocol – Float Test



**Age in days:**            0-3            4-8            9-13            14-18            19-23            24-27









# Yearly Canada Goose Roundup



Geese lose flight feathers for 6-8 weeks, usually in mid-June to mid-July.



## Geese Herded Into a Corral







# Canada Goose Management Using Harassment Techniques

Tools used by USDA - Wildlife Services:

- Recorded goose distress calls.
- Laser light.
- Radio-controlled boat.





# ORNL Goose Chaser – The Apache 24



# The Net Blaster!











# The Case of ETTP



# The Case of ETTP





## Some Results of Intensive Goose Management on ORR

- Currently no more than 15-20 geese on ORNL Visitors Center Pond (formerly known as the “Swan Pond”) at any one time. Historically, there were as many as 100-150 at a time.
- Historically the K-25/ETTP site had as many as 400-500 geese at certain times of the year. During the 2009 summer goose roundup, no geese were captured at this site.
- As recently as 2006 over 200 geese were rounded up from the ORR and relocated to other sites, and there were more to be removed. In 2009 we found only 63 geese during the roundup.

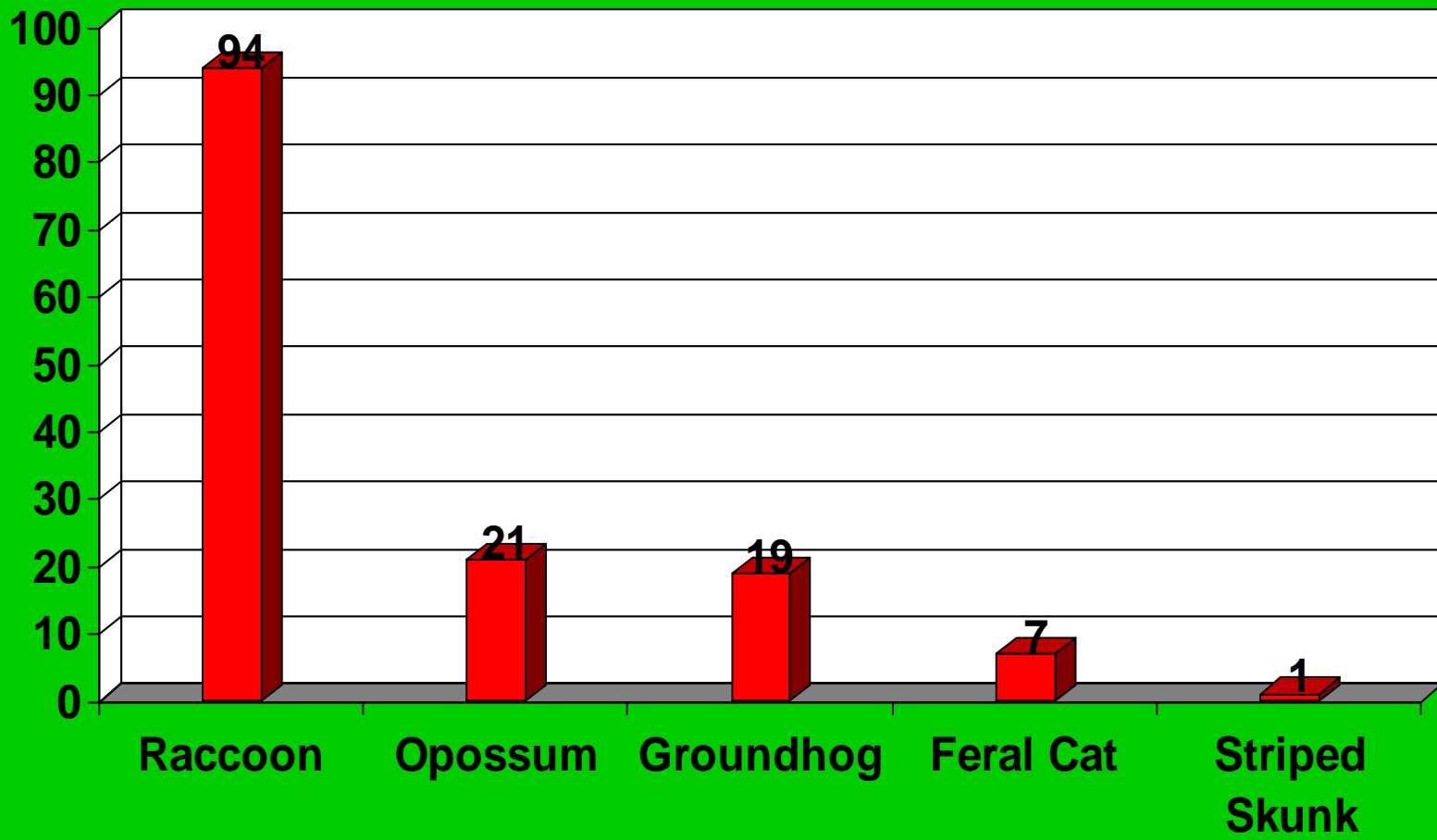
# Nuisance Wildlife Management





## Masked Bandits in Dumpster!





2007-08 ORR Trapping totals



# USDA Rabies Testing



# USDA Rabies Testing





# Small Mammal Trapping

- **Terrestrial Biota Studies in cooperation with ORNL Environmental Protection Services.**
- **Trapping small mammals to update ORR records. Last major small mammals survey was conducted in 1996.**

# Sherman Live Traps





# Baiting Traps



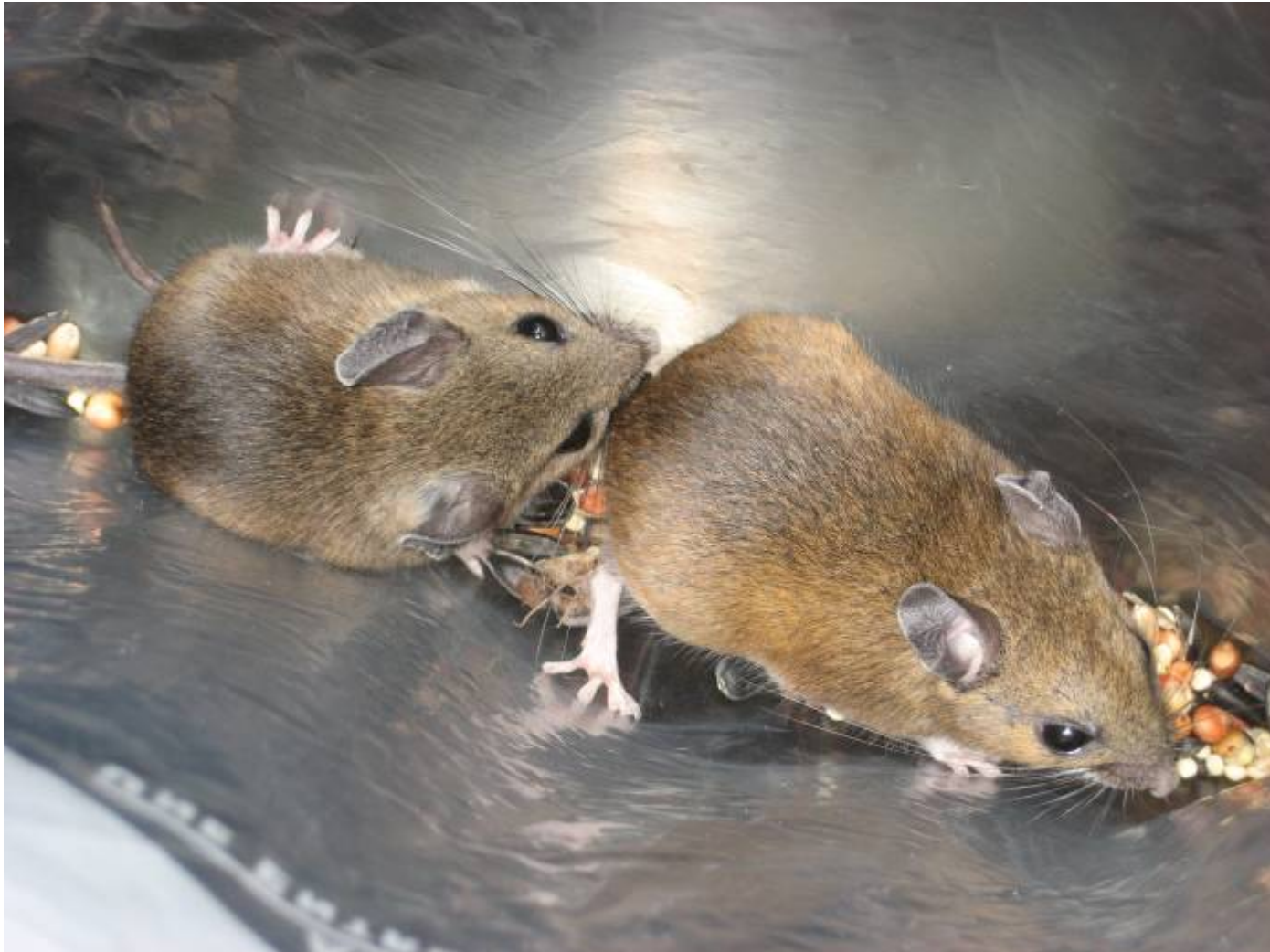


# White-footed Mouse





## Two Mice in One Trap



## Long-tailed Weasel in a Sherman Trap?





# High Tech Trap Carrier



## There Are River Otters Along East Fork Poplar Creek!







## Seen Any Coyotes Lately?



photo by Jeff Riggs



# The Night Life!



## State Listed Four-toed Salamander







# Eastern Spiny Softshell Turtle





# Grassland Management - Controlled Burns



# Partners In Flight Surveys





## Award Winning Photo – 2008 Southeastern Wildlife Conclave, The Wildlife Society





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Osprey at Clark Center Park (photo by Jason Richards)