IF YOU CAN'T HANDLE THEM, YOU DON'T OWN THEM!



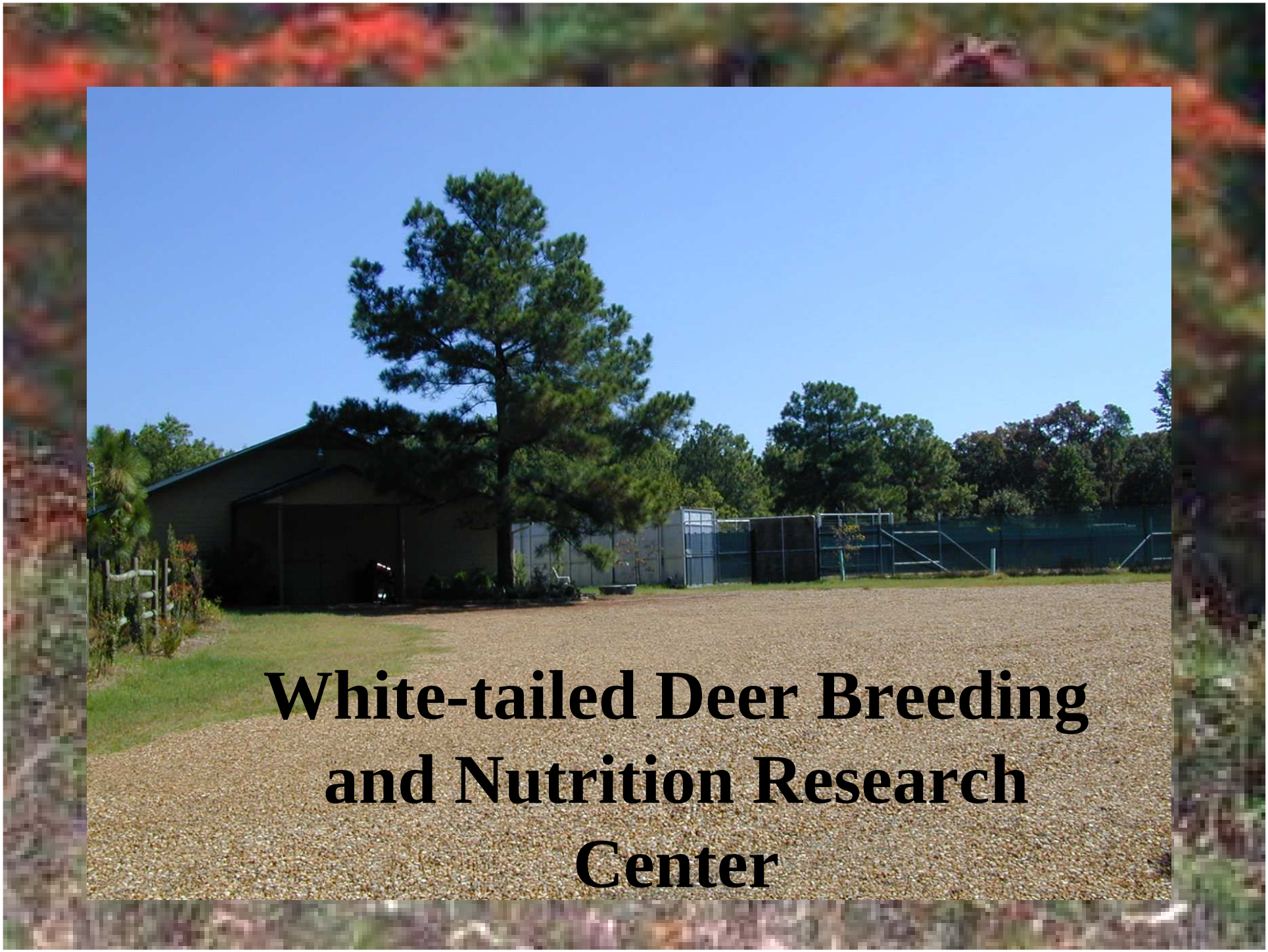
Dr. James C. Kroll,
Director, Institute for White-tailed Deer Management & Research, SFASU






THREE KEYS TO SUCCESS:
FACILITIES
FACILITIES
FACILITIES

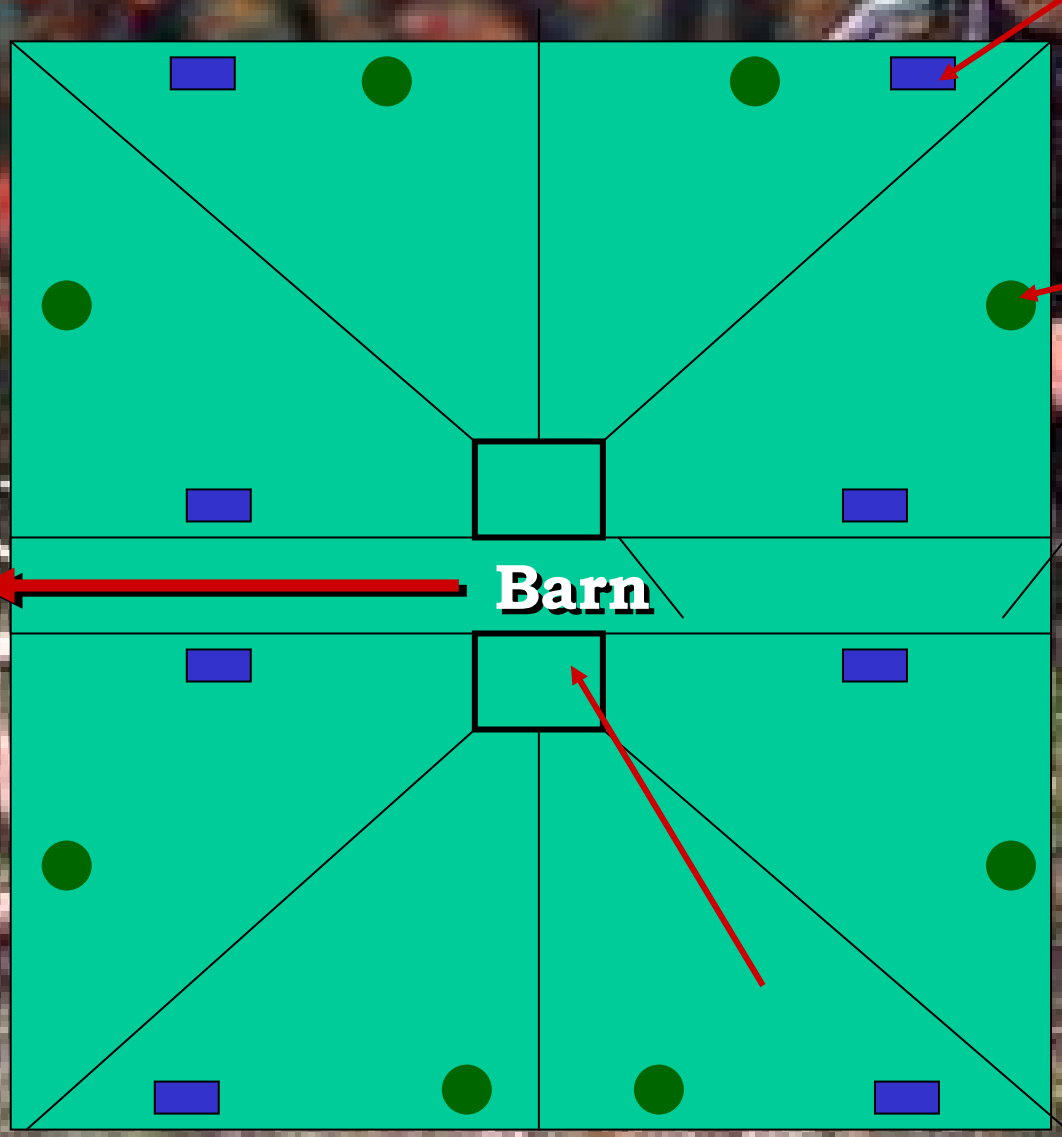

You Can’t Manage With a Dart Gun!


White-tailed Deer Breeding and Nutrition Research Center


Standards of Operation:
PENS DESIGNED FOR,
1. STRESS-FREE LIFE
2. MAXIMIZE NUTRITION
3. EASY MOVEMENT
HANDLING FACILITIES THAT,
1. PERMIT HUMANE TREATMENT
2. PERMIT EXTRACTION
3. ALLOW QUARANTINE AND TREATMENT


Experience with pens:
• Small vs. large
• Shape
• Rotation
• Water
• Training

Basic Pen Design



Nutrition Management



- Clean pens vs. brush
- What is a “good” feed?
- Sanitation





Nutrition Management



- Four Canyon Study
  - 100 yearling bucks
  - 50 in clean pen
  - 50 in brush pen
  - Results?
    - Significant difference in antler growth!

Nutrition Management



- Green forage seems to benefit.
  - Rye, rye grass, clover
- Install irrigation if possible

Nutrition Management



- Price/protein dilemma!
- What does it cost you really?
- Don't play "feed roulette!"

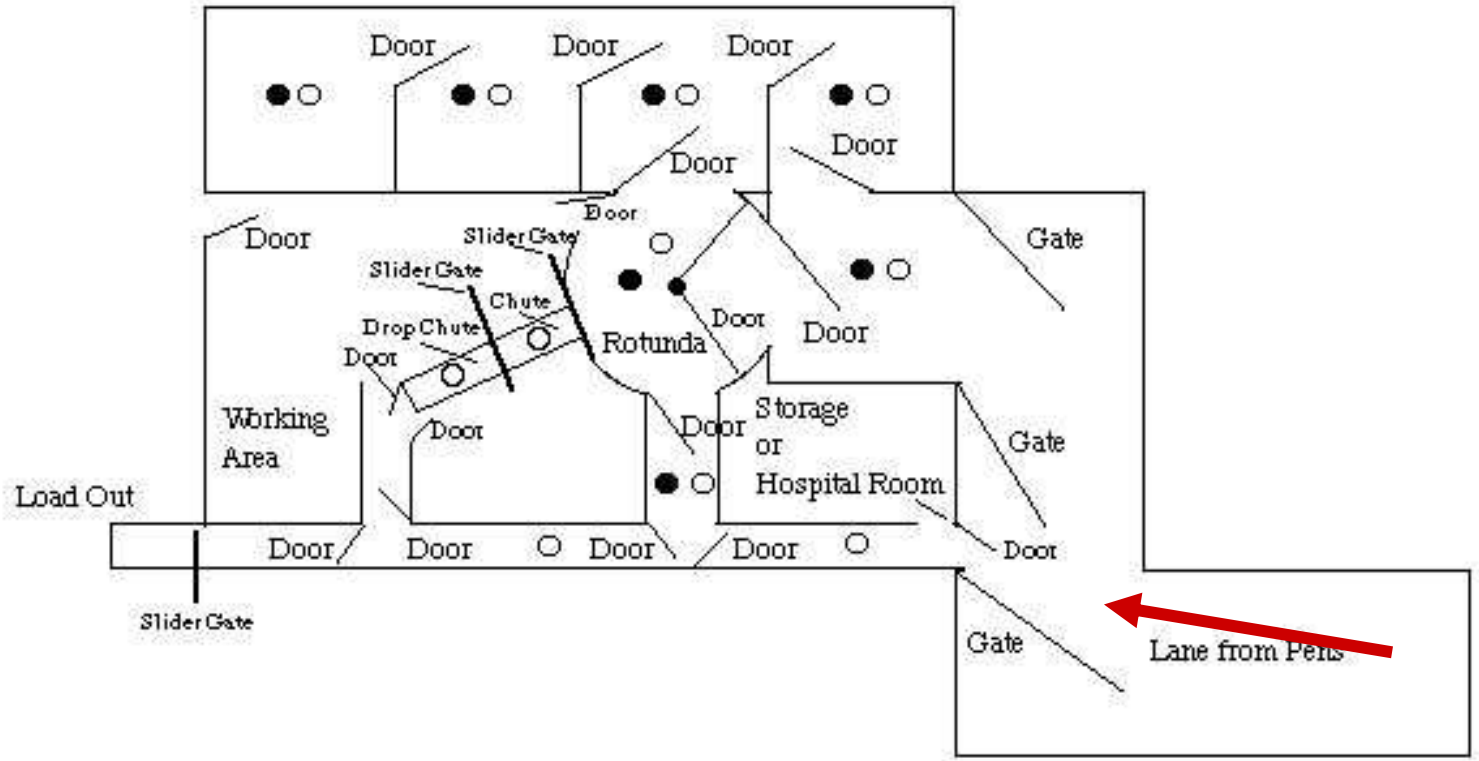
1999-2001 NBC Experiment

58.14 vs. 82.36 B&C!

Sanitation

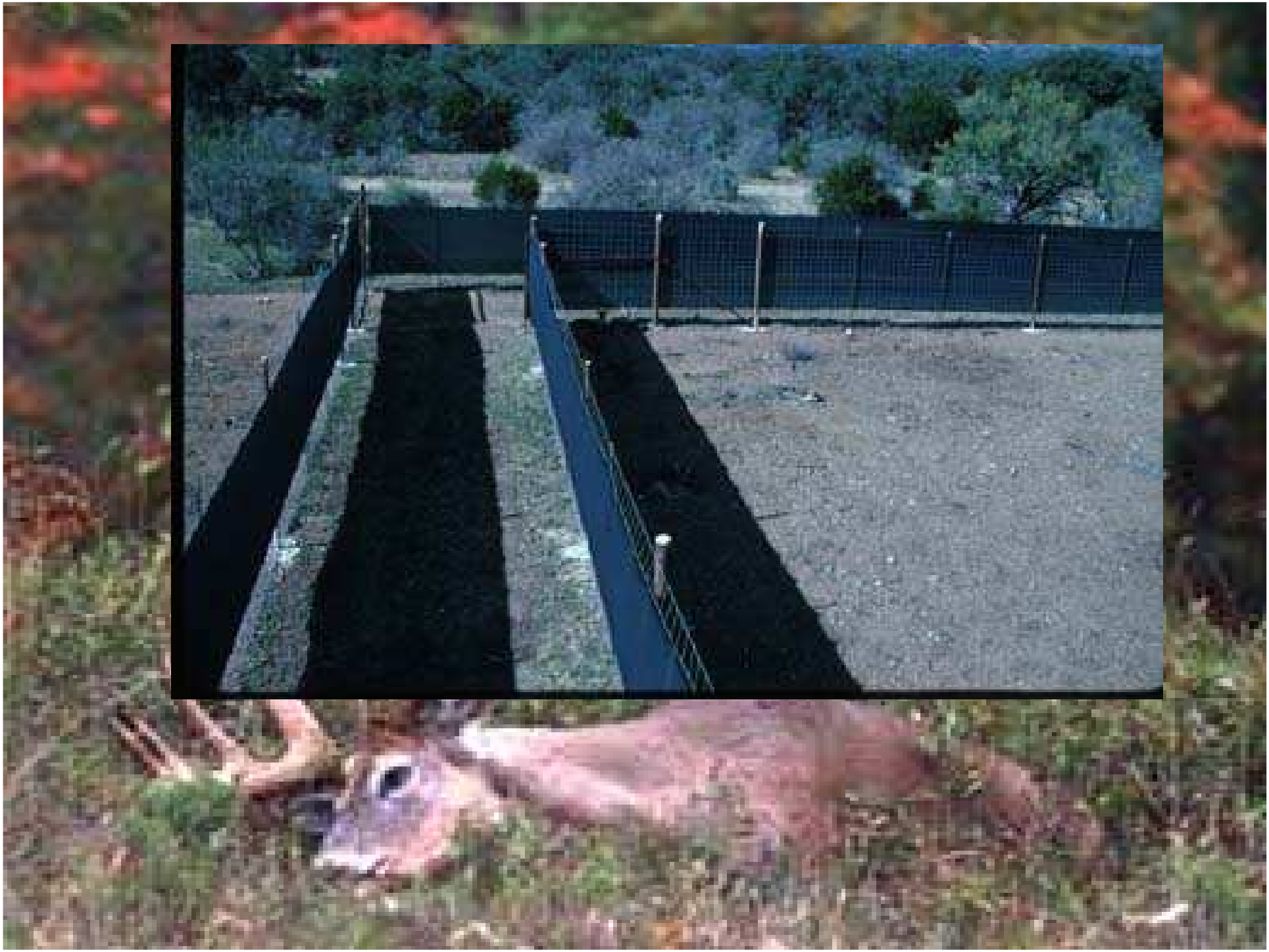


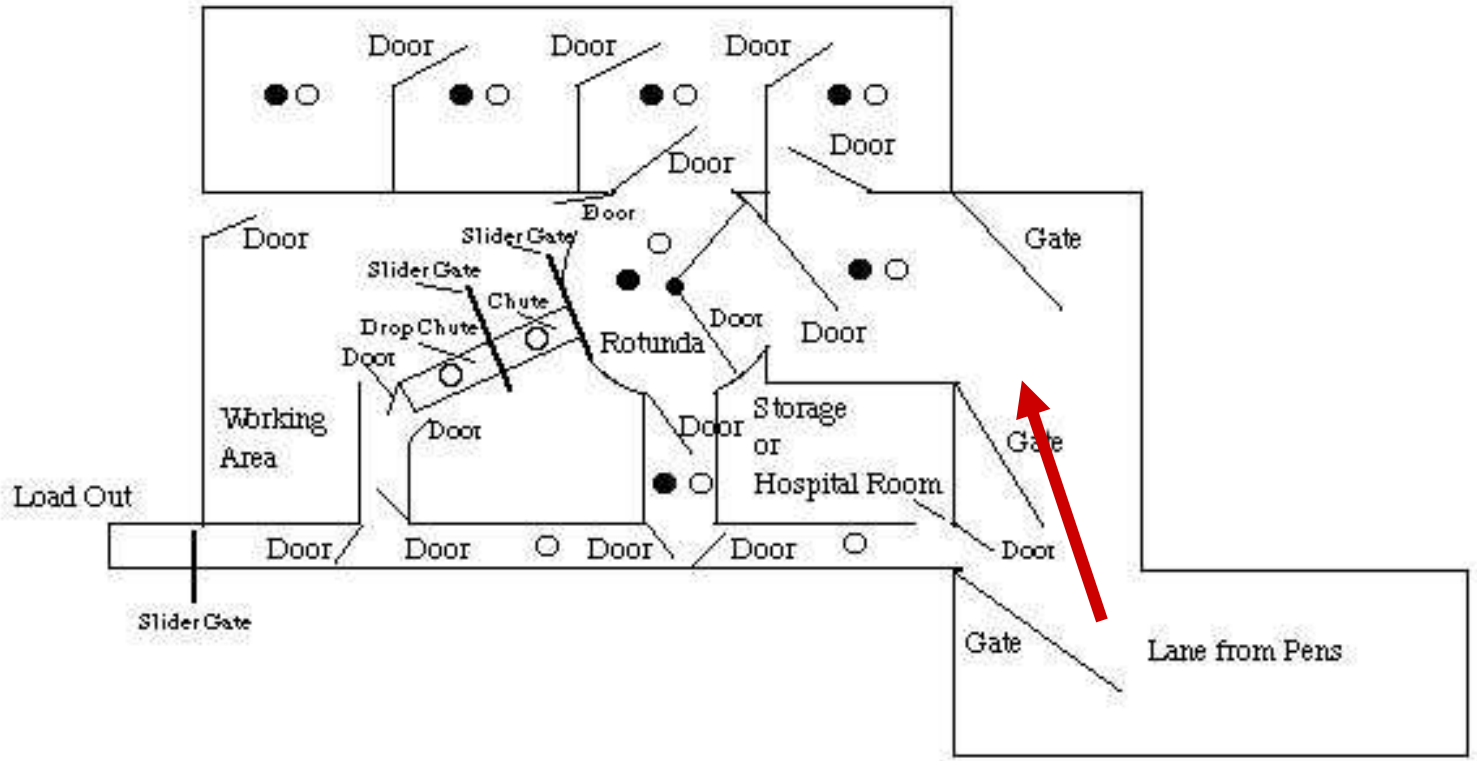




General design for a white-tailed deer handling facility . Scale: 1 inch equals 10 feet. (*White-tailed Deer Breeding and Nutrition Research Center)*

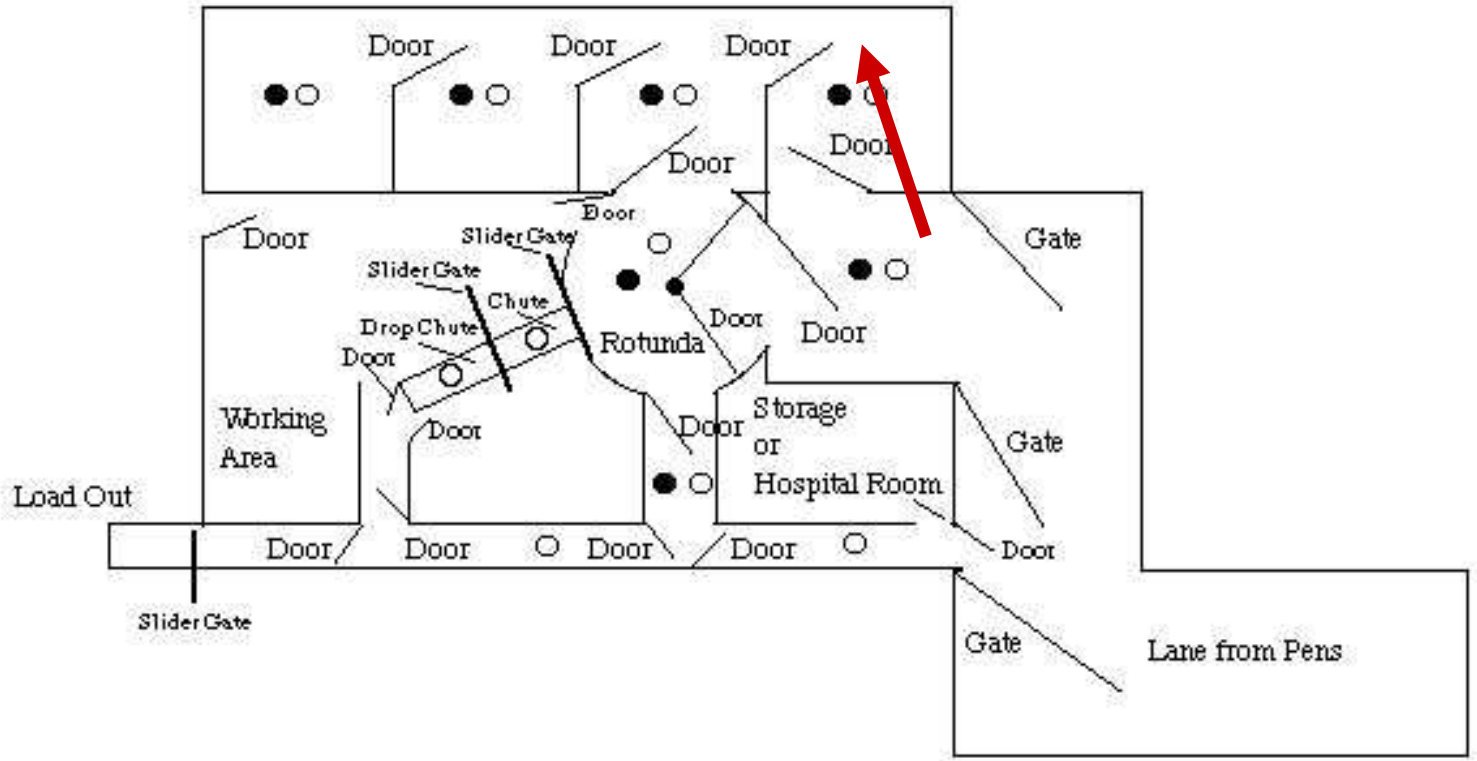

Curved lanes!





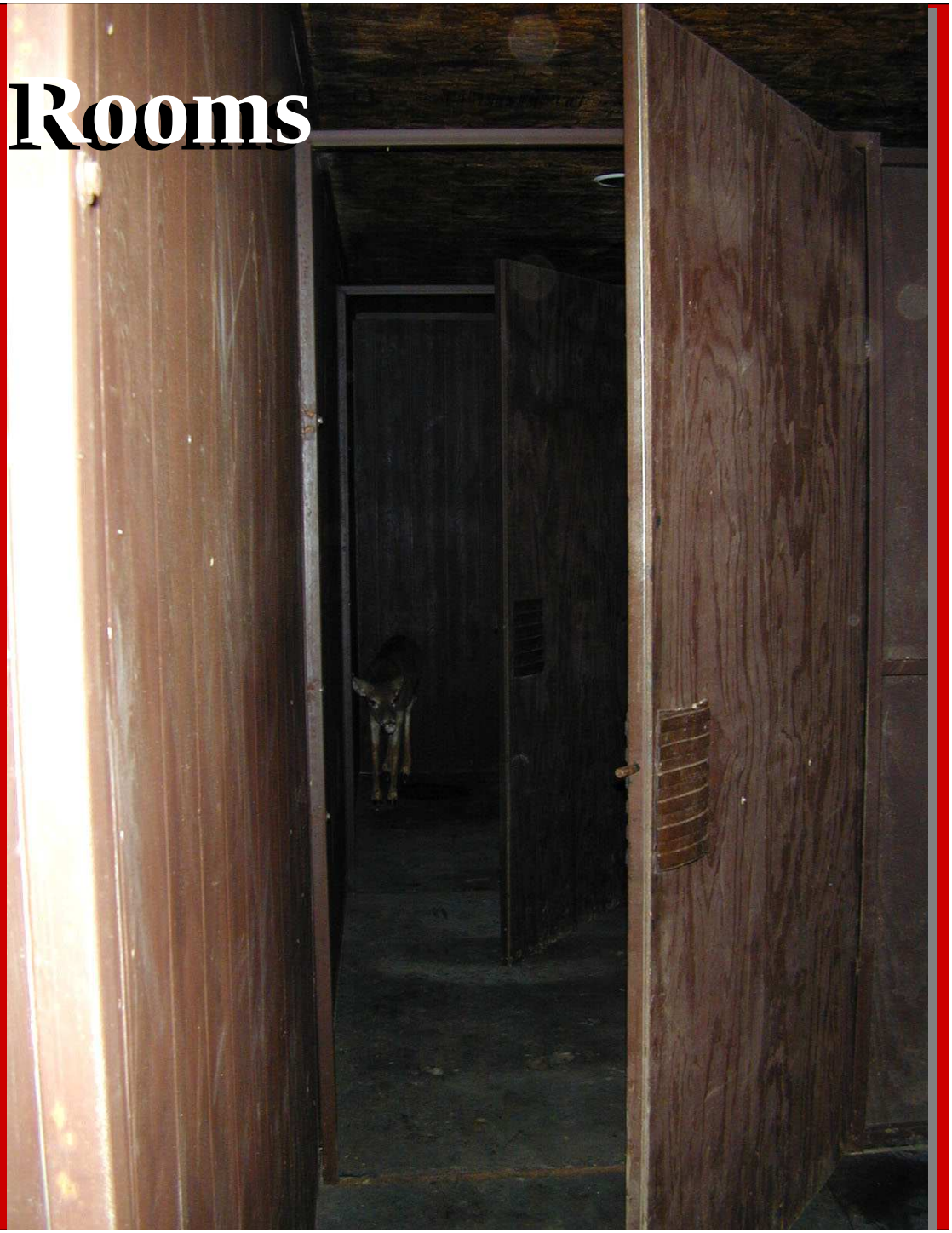
General design for a white-tailed deer handling facility . Scale: 1 inch equals 10 feet. (*White-tailed Deer Breeding and Nutrition Research Center)*

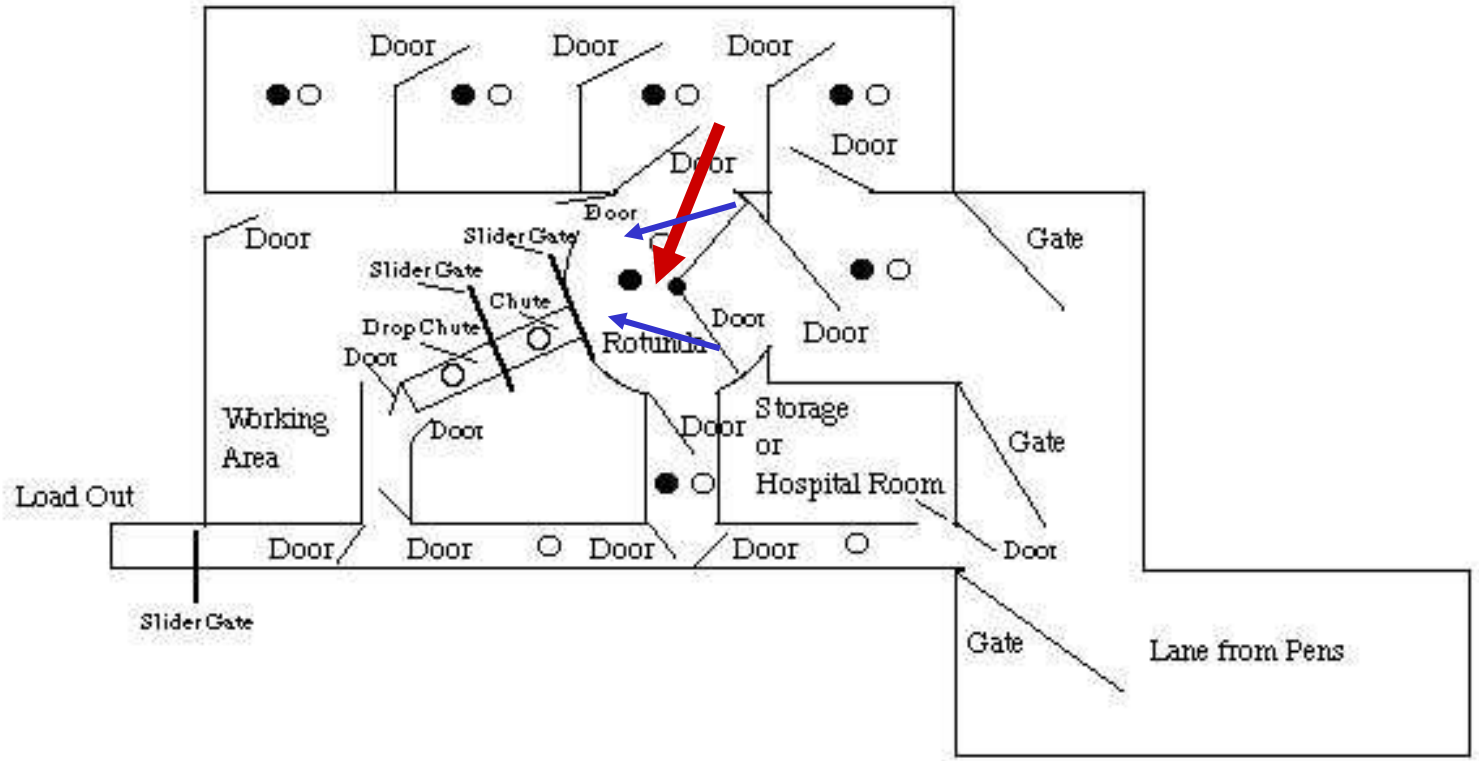




General design for a white-tailed deer handling facility . Scale: 1 inch equals 10 feet. (*White-tailed Deer Breeding and Nutrition Research Center)*

Handling Rooms

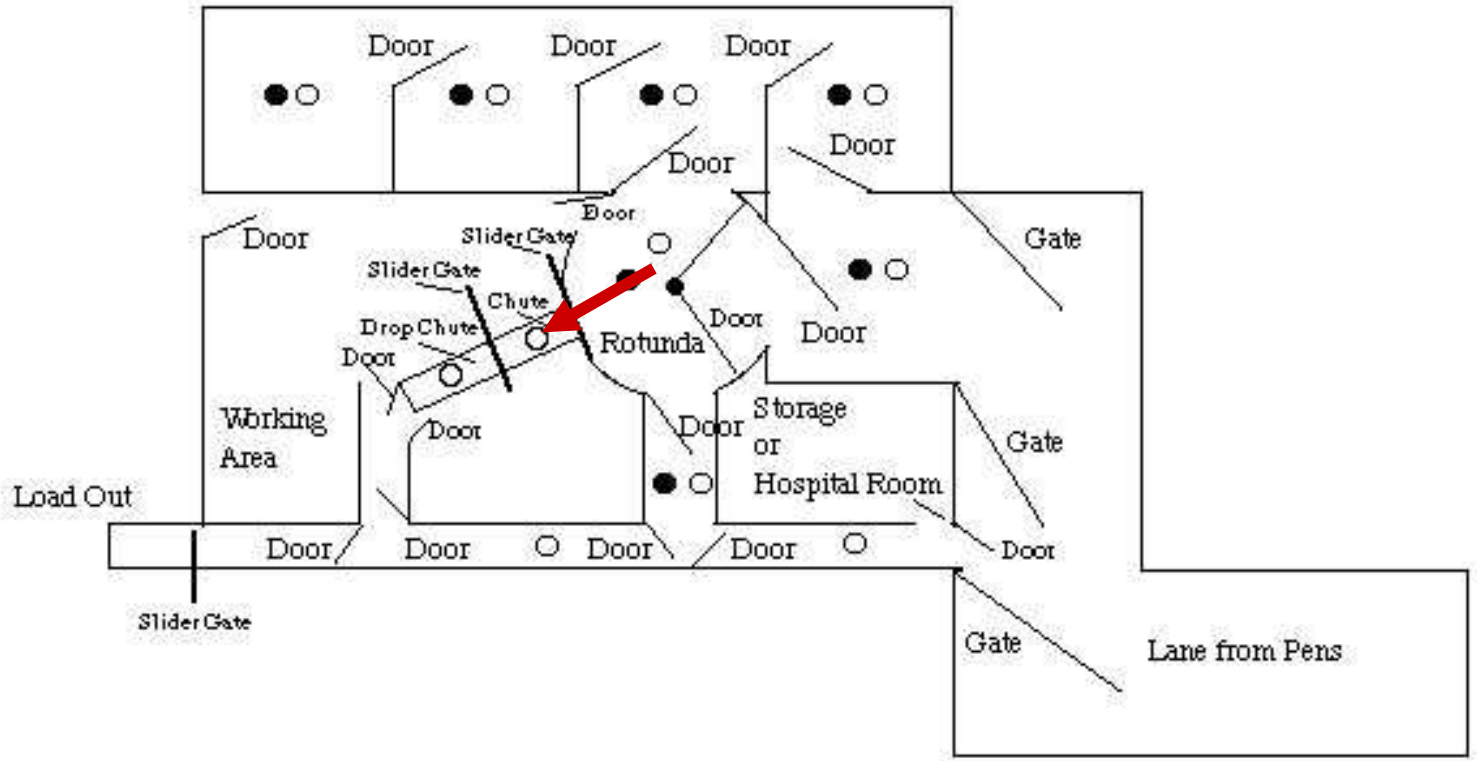




General design for a white-tailed deer handling facility . Scale: 1 inch equals 10 feet. (*White-tailed Deer Breeding and Nutrition Research Center)*



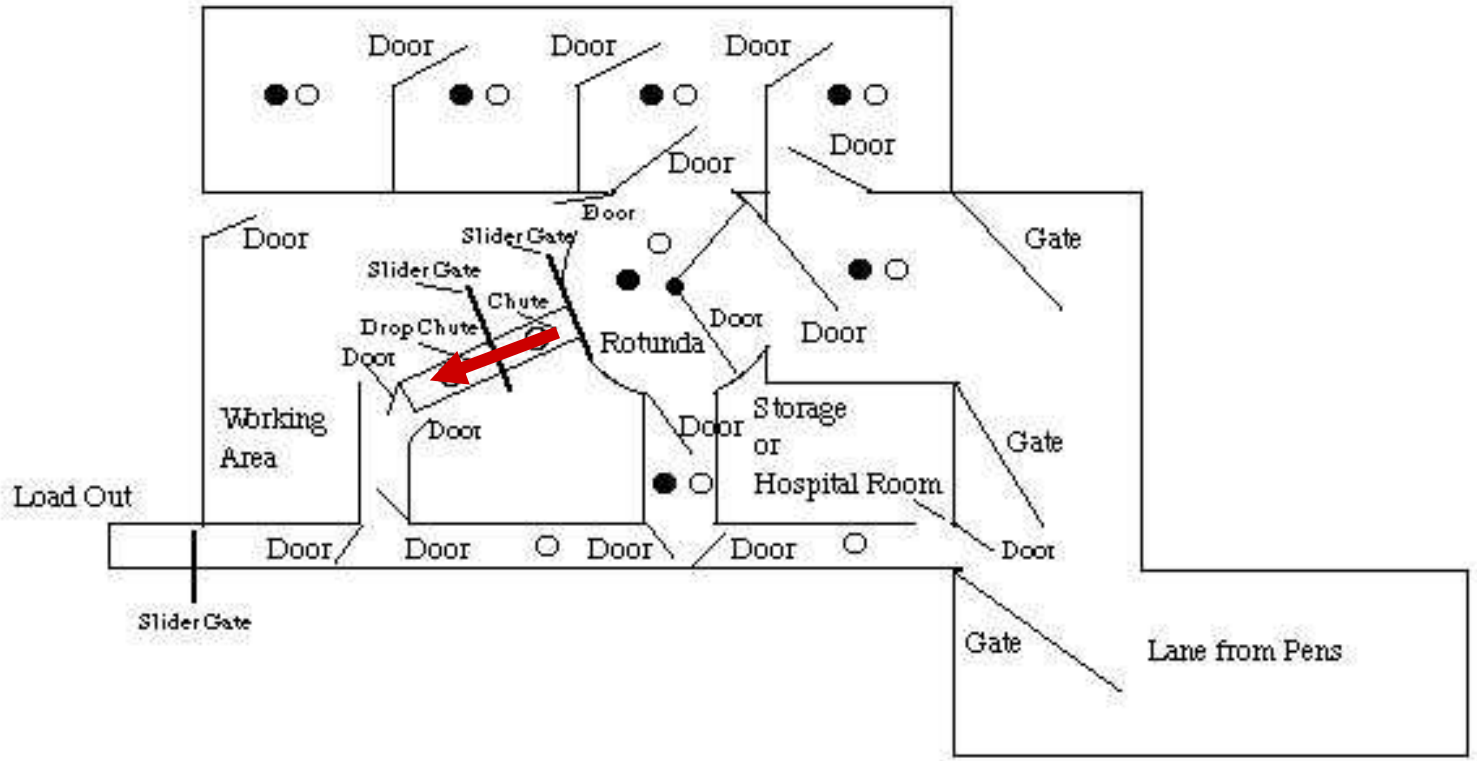
Rotunda



General design for a white-tailed deer handling facility . Scale: 1 inch equals 10 feet. (*White-tailed Deer Breeding and Nutrition Research Center)*

Approach Ramp





General design for a white-tailed deer handling facility . Scale: 1 inch equals 10 feet. (*White-tailed Deer Breeding and Nutrition Research Center)*

HANDLING CHUTE




• No, No, No!

You can’t have too many doors!







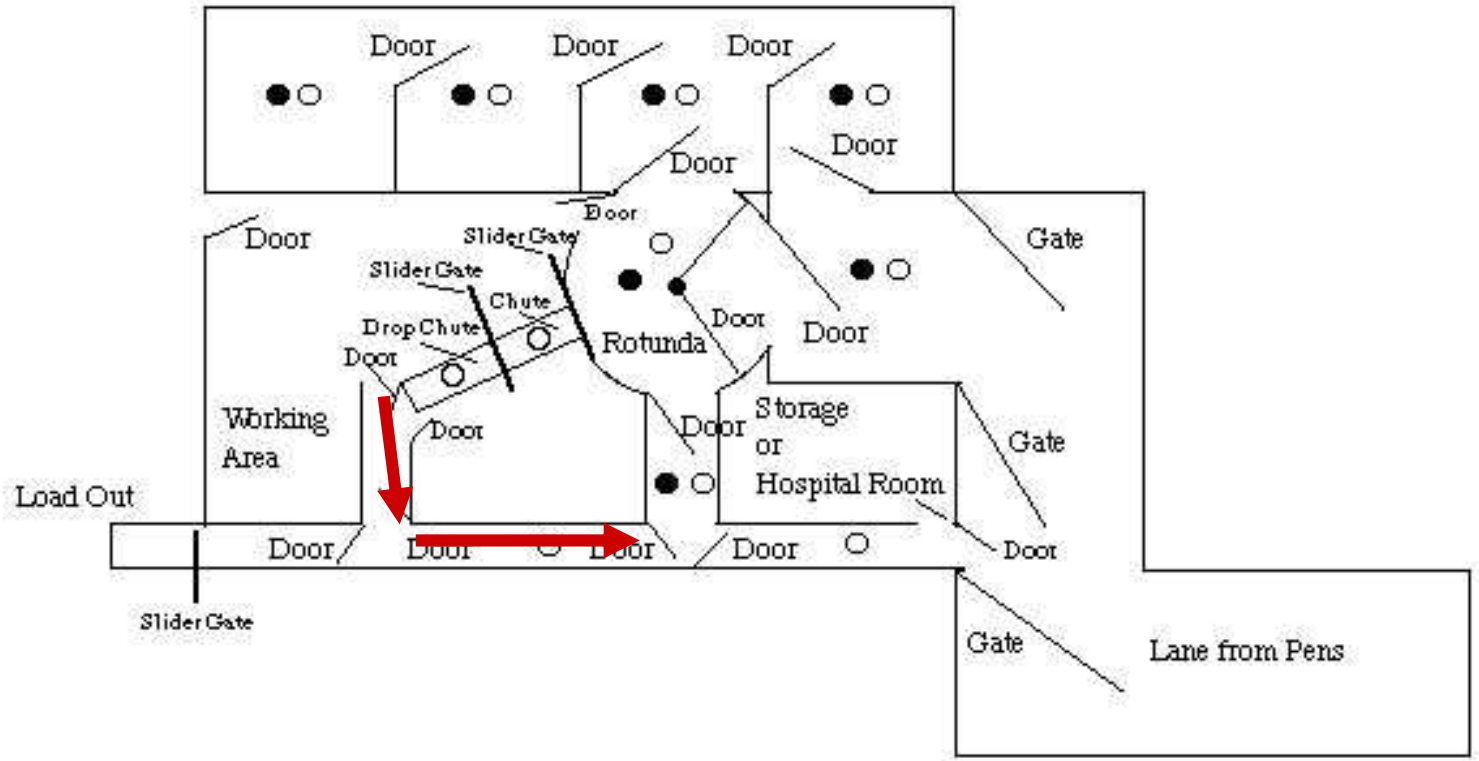






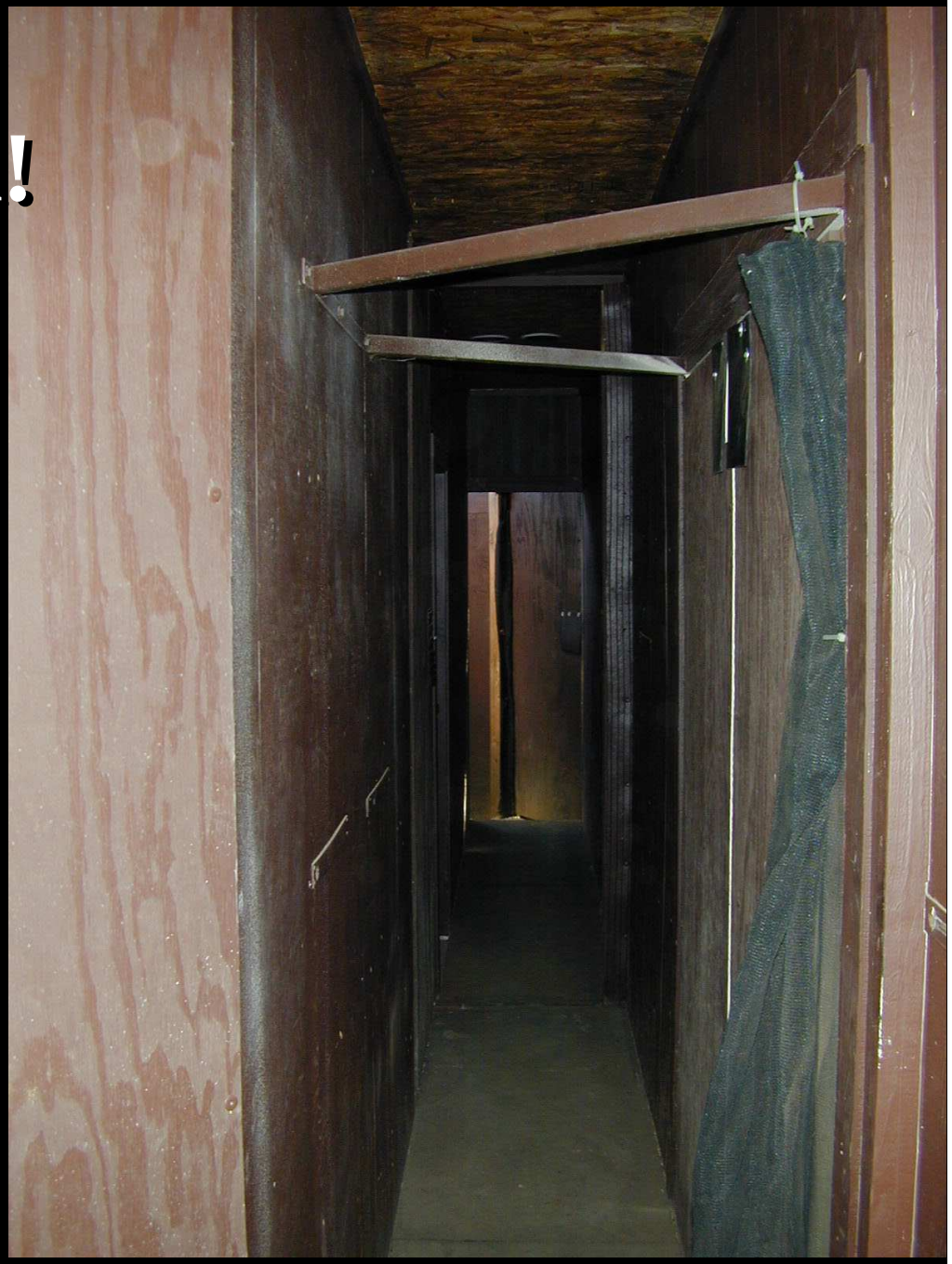
Handling Bucks

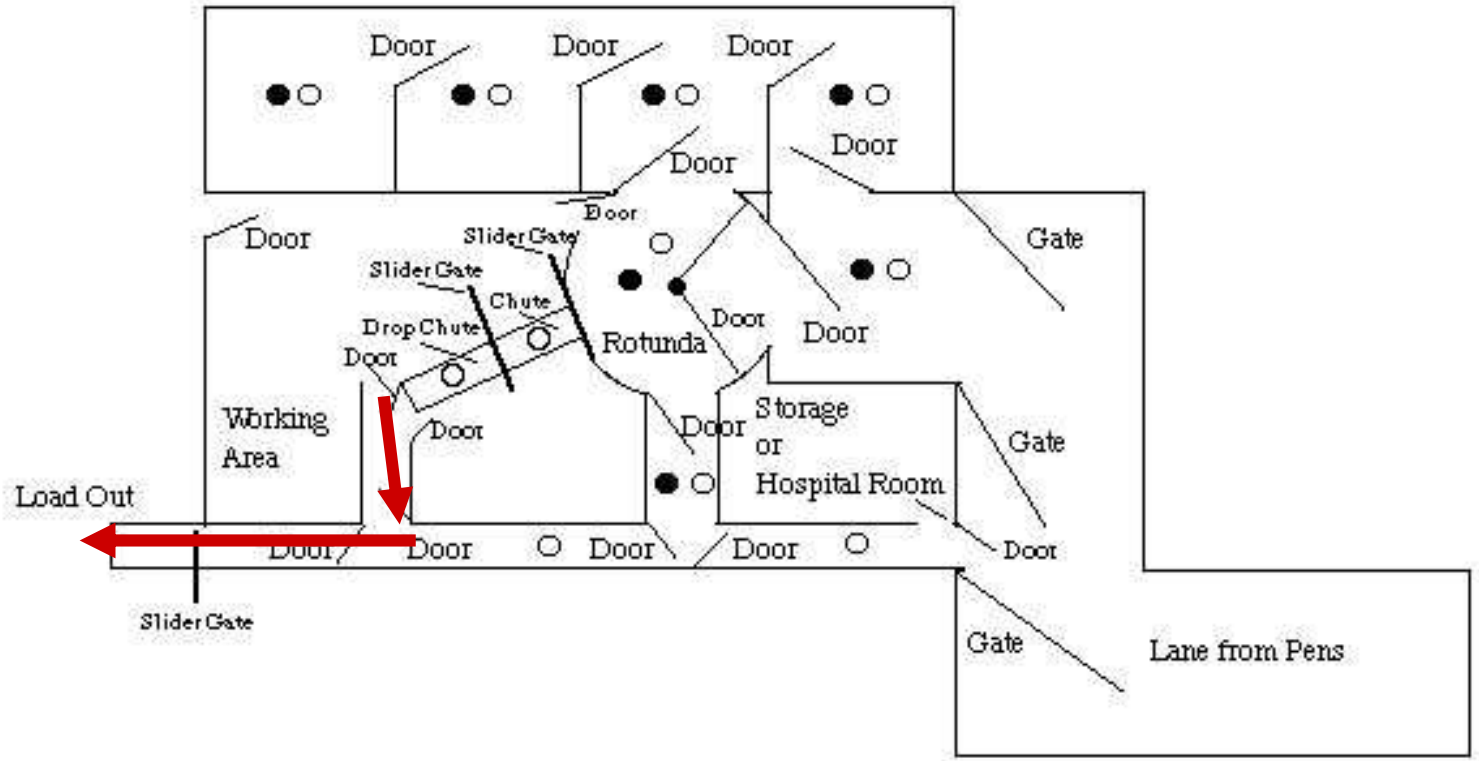




General design for a white-tailed deer handling facility . Scale: 1 inch equals 10 feet. (*White-tailed Deer Breeding and Nutrition Research Center)*

Wait until dark!





General design for a white-tailed deer handling facility . Scale: 1 inch equals 10 feet. (*White-tailed Deer Breeding and Nutrition Research Center)*



Isolation Ward

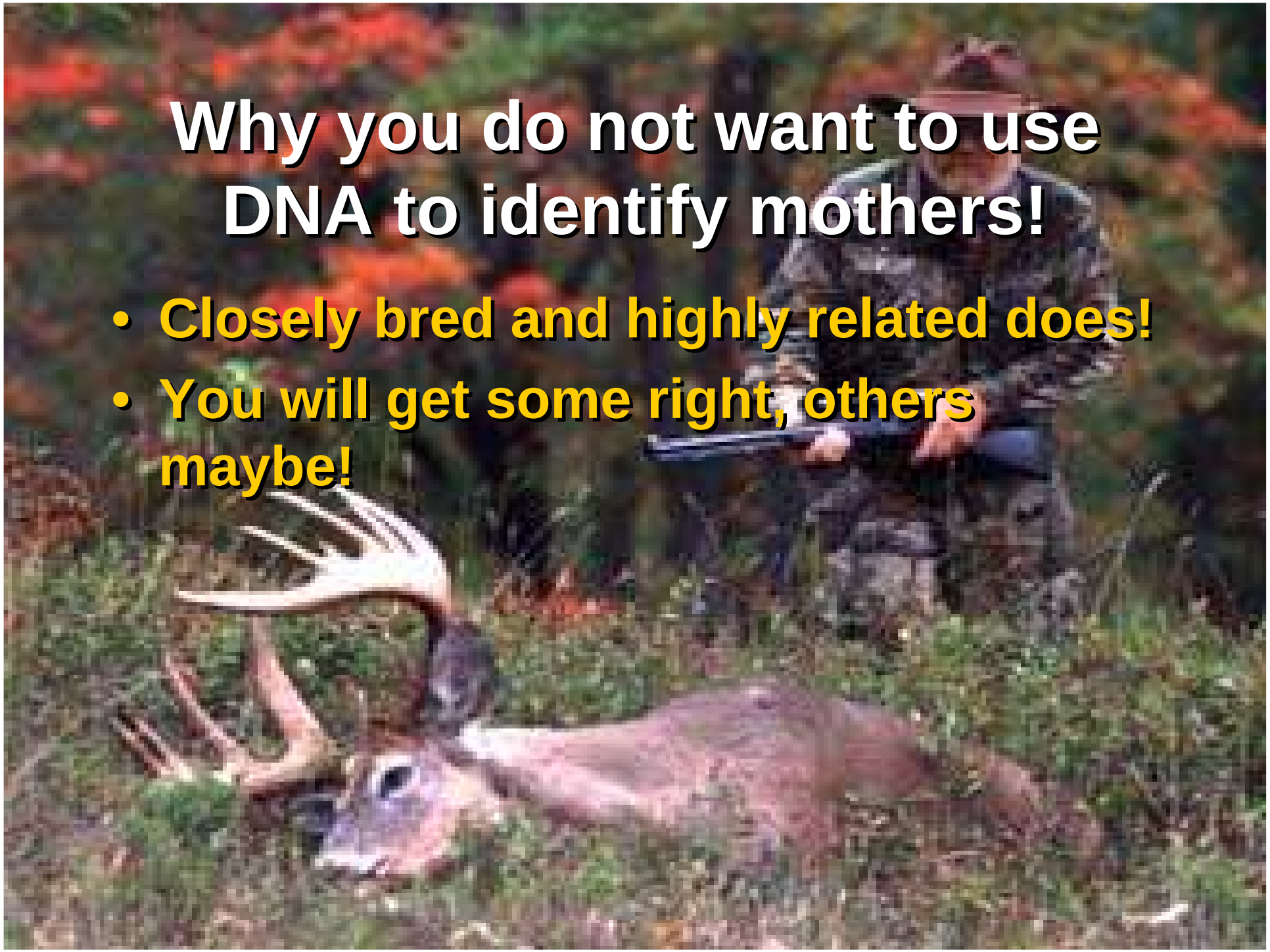


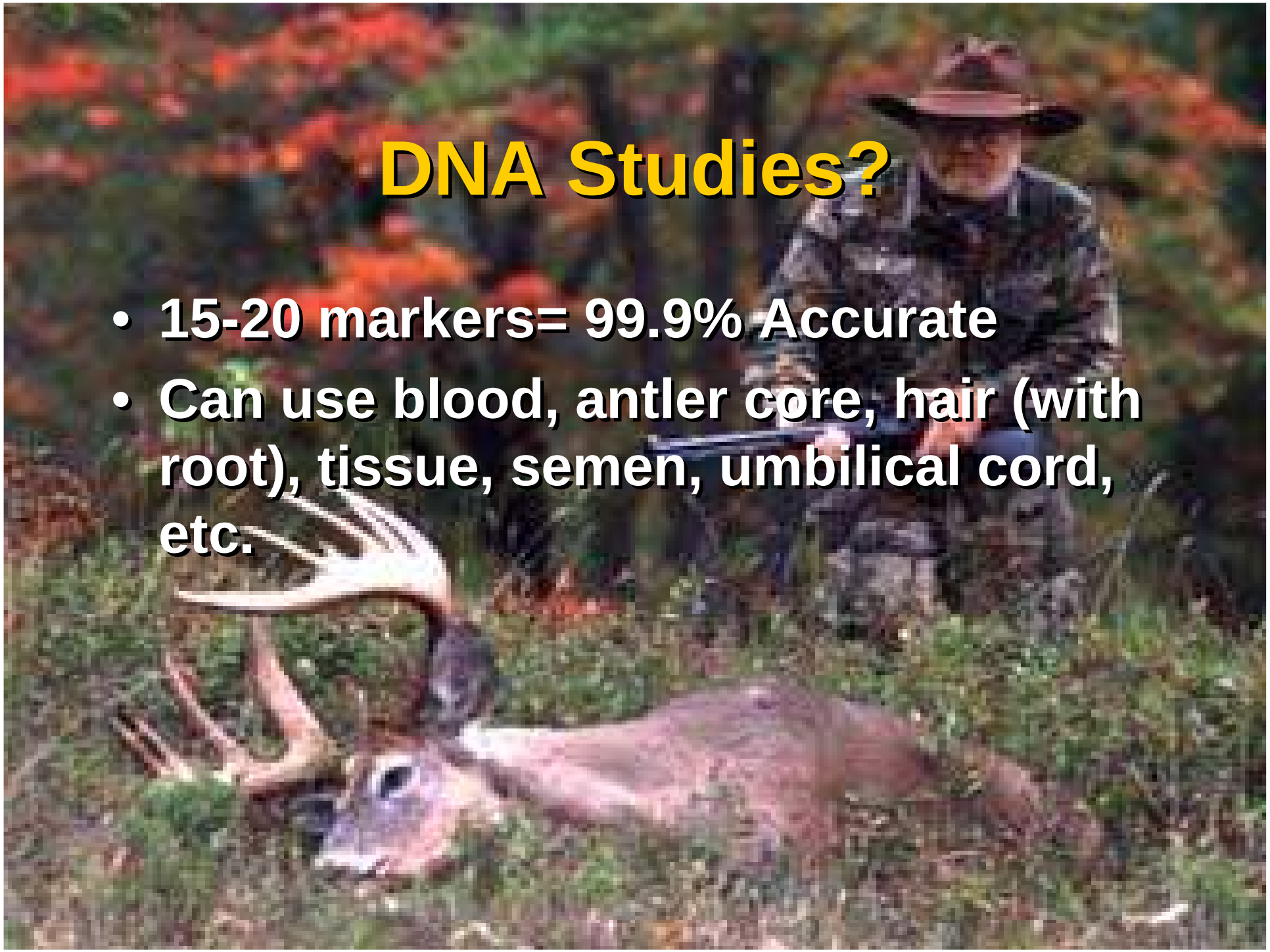
Drainage?



Mark Fawns ASAP!




Why you do not want to use DNA to identify mothers!
• Closely bred and highly related does!
• You will get some right, others maybe!



DNA Studies?

- 15-20 markers= 99.9% Accurate
- Can use blood, antler core, hair (with root), tissue, semen, umbilical cord, etc.


Thanks!
Questions?