

# Inventory and Monitoring Programs, U.S. Marine Corps Air Ground Combat Center, Twentynine Palms

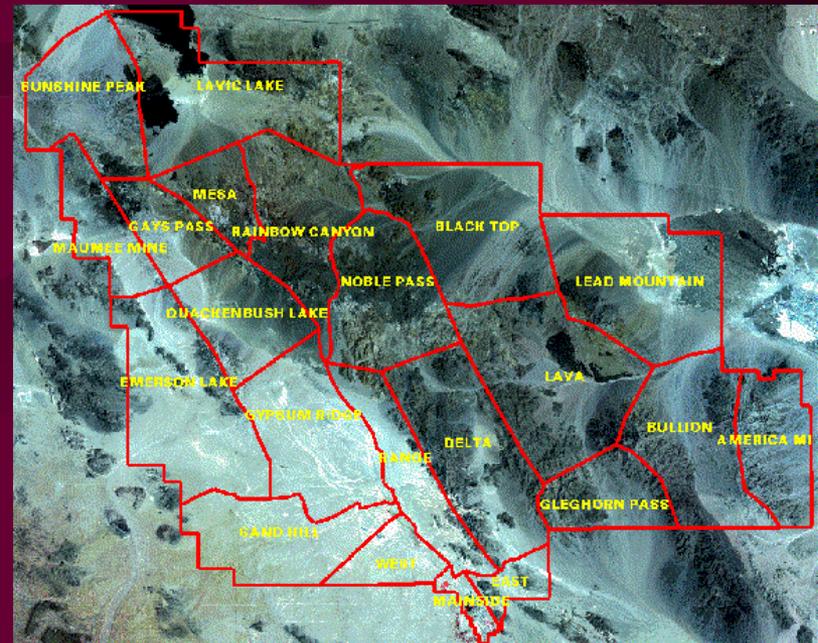


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# Marine Corps Air Ground Combat Center

- 598,178 Acres
- Primary USMC Base for live fire & Maneuver
- Established 1952



# Marine Corps Air Ground Combat Center

## MISSION:

- Support Live-Fire Military Training
- Combined Arms Exercise (CAX)
- 22 day rotation, ten times annually



# Resource Management Need



- Long-term mission sustainability
- Regulatory requirements
- It's "The right thing to do"

# Planning

- **Integrated Natural Resources Mgmt Plan**  
(Authority: Sikes Act Improvement Act)
- **Integrated Cultural Resources Mgmt Plan**  
(Authority: NHPA, DoD Directive 4715.3)

# Inventories Completed

- Vertebrates
- Soils
- Vegetation
- Rare Plants
- Bats
- Bighorn Sheep (Nelson's)



Photo: D. Stokes

# Desert Tortoise Research completed



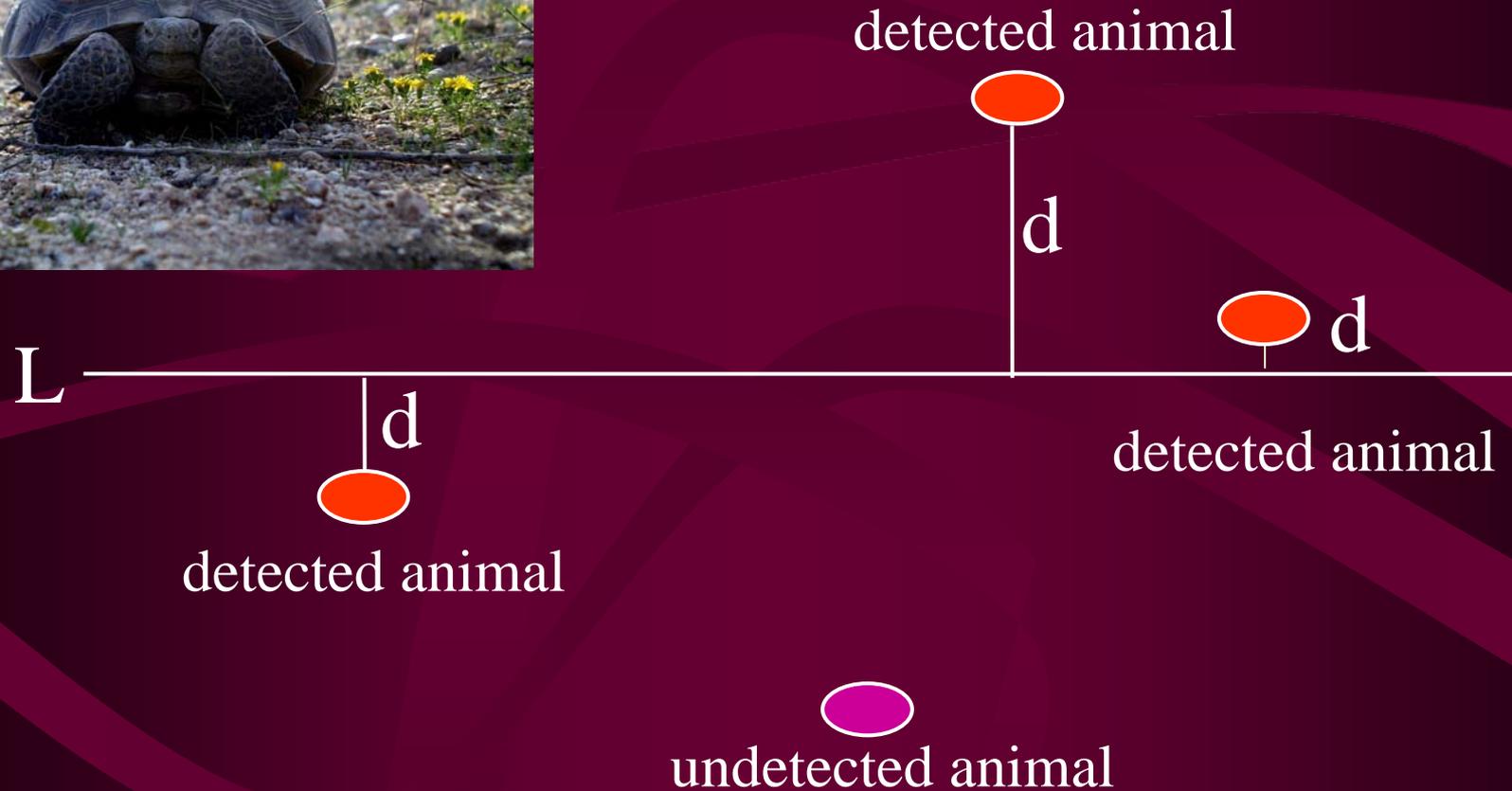
Photo: K. Meyer

- Basewide relative density
- High elevation
- Mortality/Predation
- Home Range
- Disease (ongoing)

# Line Distance Sampling



MULTI-AGENCY APPROACH!



# Inventories ongoing



Photo: M. Cablk

- Fairy Shrimp
- Invertebrates
- Mojave Fringe-toed Lizard
- Reptiles

# Recent and Current Projects

- Bighorn Sheep Guzzlers
- Bat Gates
- Free-roaming dog trapping
- Tamarisk eradication



# Monitoring

- Land Condition Trend Analysis (LCTA)
- Land Use Contingency Model (LUCM)
- Land Management System (LMS)
  - ✓ Ecological DYNamics Simulation (EDYS)
  - ✓ Erosion
  - ✓ Change Detection / Remote Sensing
  - In progress review, 21 February

# Conclusion



Photo: J. Heaton