Counter Poaching and Conservation
Dr. Stephen Lee, Chief Scientist
Gravel Cat Counter-Poaching and Security Program

Research, Technology, Education and Tactics for Conservation and Counter Poaching
Not the Solution
Why Gravel Cat? The U.S. Army Faces Similar Challenges In Counter Poaching Activities

ONE of 1,000+ in South Africa in 2013
To Win, we need to get ahead of the Act

Counter Improvised Explosive Device

Transport

Acquire & Store

Bomb Builder

Transport Device

Concealment

Detonation

Counter Poaching

Acquire

Train

Recruit

Spot

Infiltrate

The Act
Counter Poaching and Security Technical Framework

Poaching Supply Chain

- Poachers
- Local Handlers
- Local Transport
- National Transport
- International Transport
- Manufacturers
- Suppliers
- Consumers

- Education
- Night Vision
- UAVs, Aerostats
- Dyes
- Unattended Sensors
- GPS Tags
- Beef Test
- Ethnographic Analysis
- RFID Proximity Tags
- Forward-Deployed Forensic Labs

Current Funding Status
Funded
Partially Funded

Demonstrations of existing Army Technologies & Systems

Proprietary
Active Projects

- Rhino Horn Sensing
- Bush meat forensic sensors
- Unattended Radar Systems for Security
- Elephant Collar preventing Human-Elephant Conflict
- Elephant Genetics for Forensics
- Canine Portal Screening
Counter Poaching Concepts
Dr. Stephen Lee, Chief Scientist