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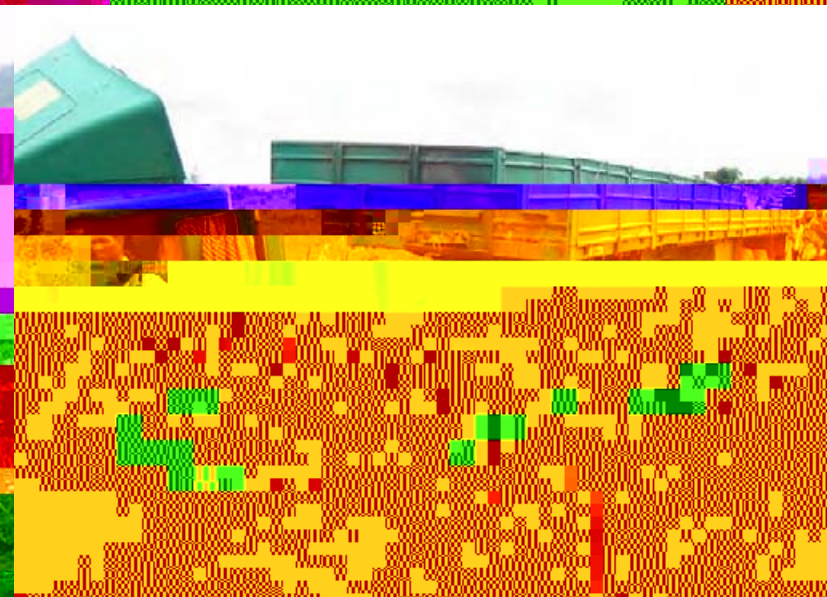
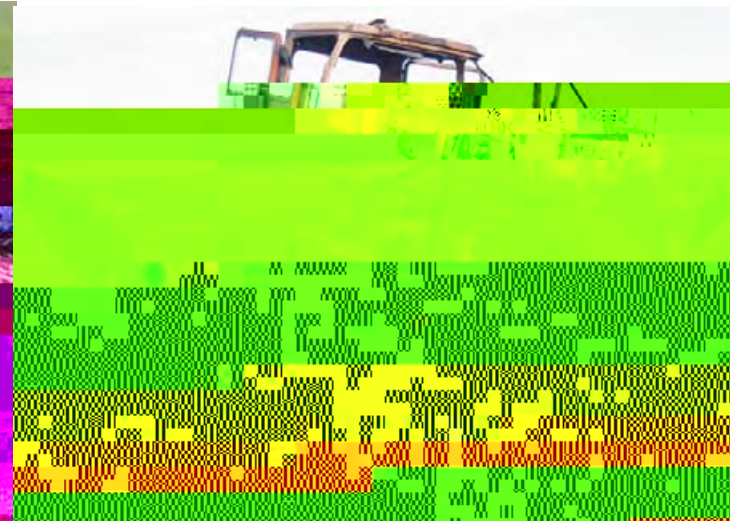


Technical Challenges in Humanitarian Clearance of Anti Vehicle Mines: A Field Perspective



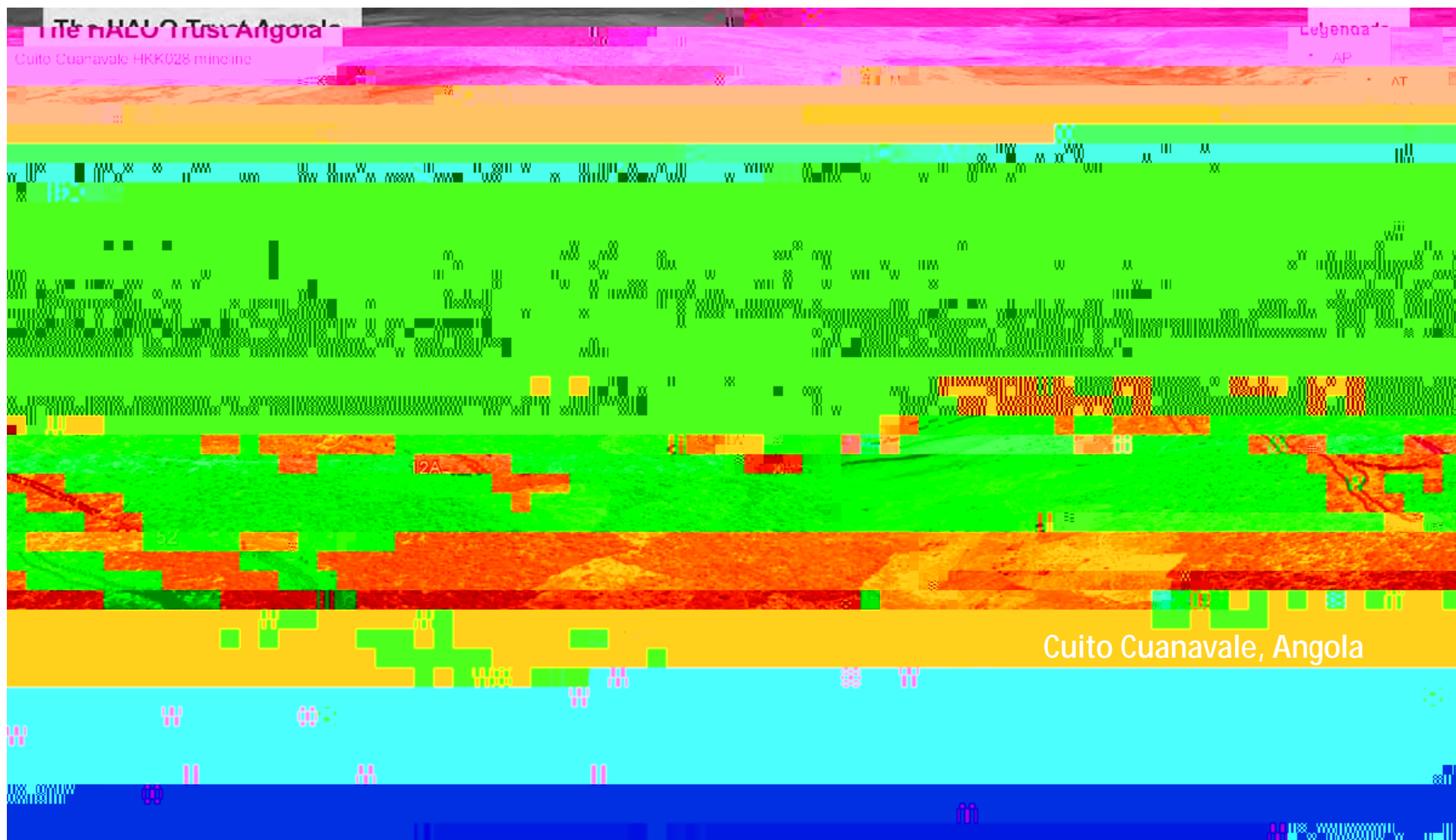


Anti Vehicle Mines Cause Civilian Accidents





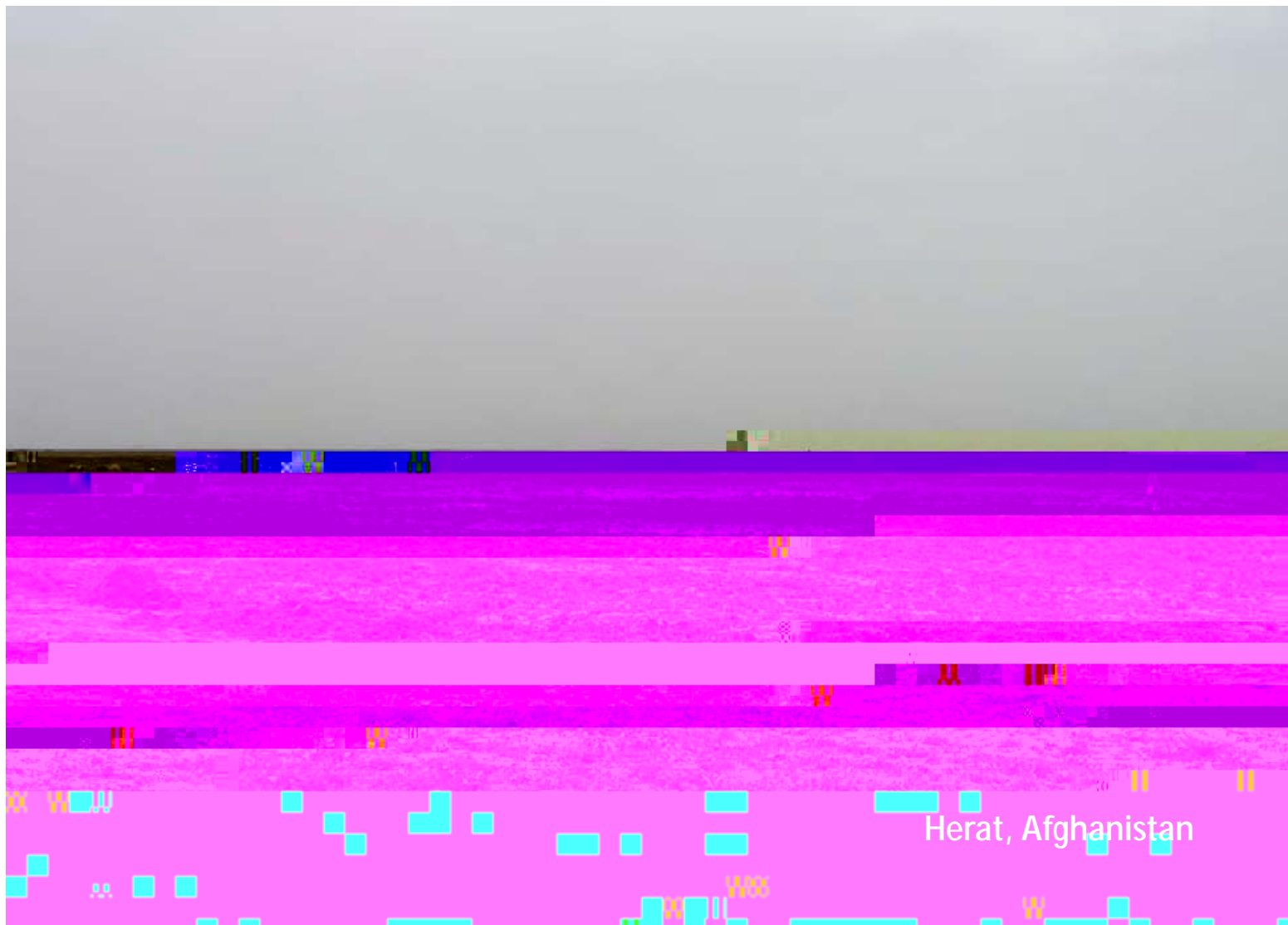
Structured Minefields



Cuito Cuanavale, Angola



Large Open Areas



Roads and



Metal Cased Anti Vehicle Mines

- Easy to locate with metal detectors
- Faster, less costly clearance



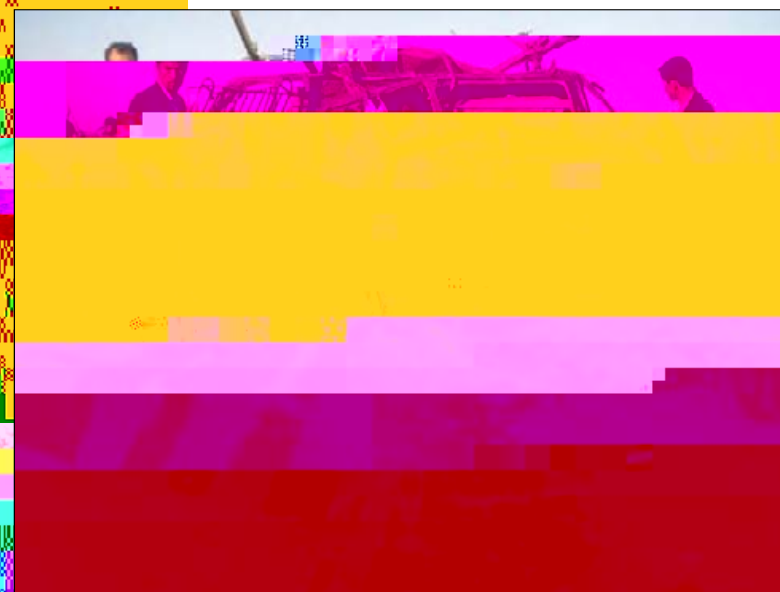
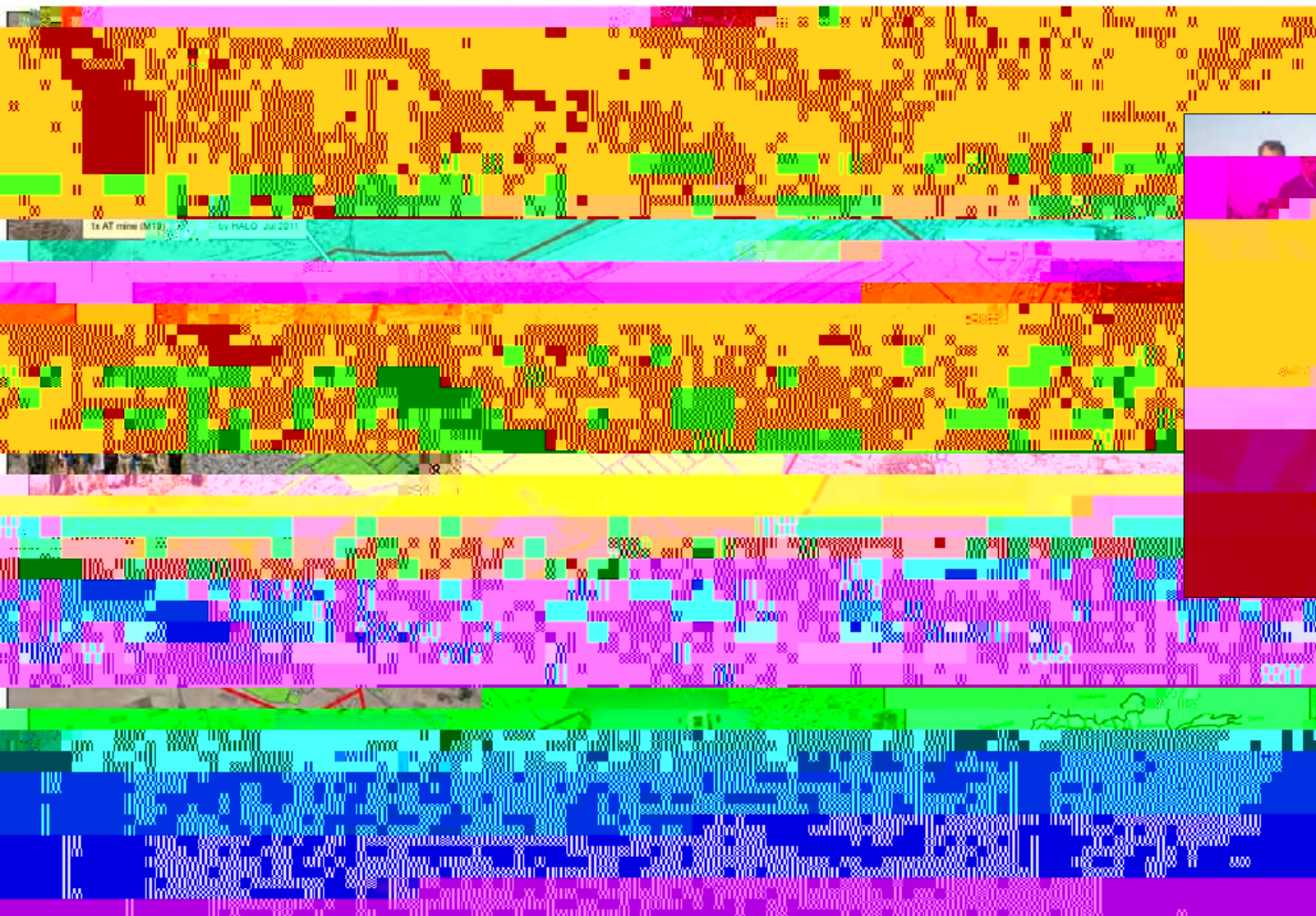
Minimum Metal Anti Vehicle Mines

- Very difficult or impossible to locate with metal detectors
- Slower, more costly clearance

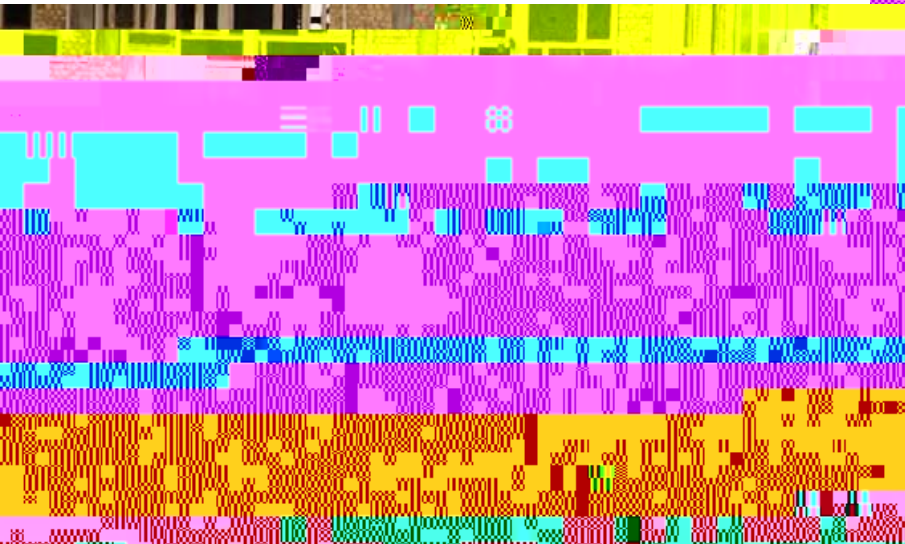
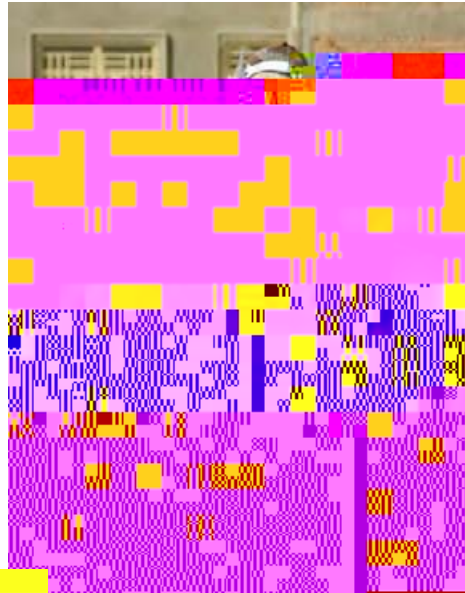




Jebrail, Western Afghanistan

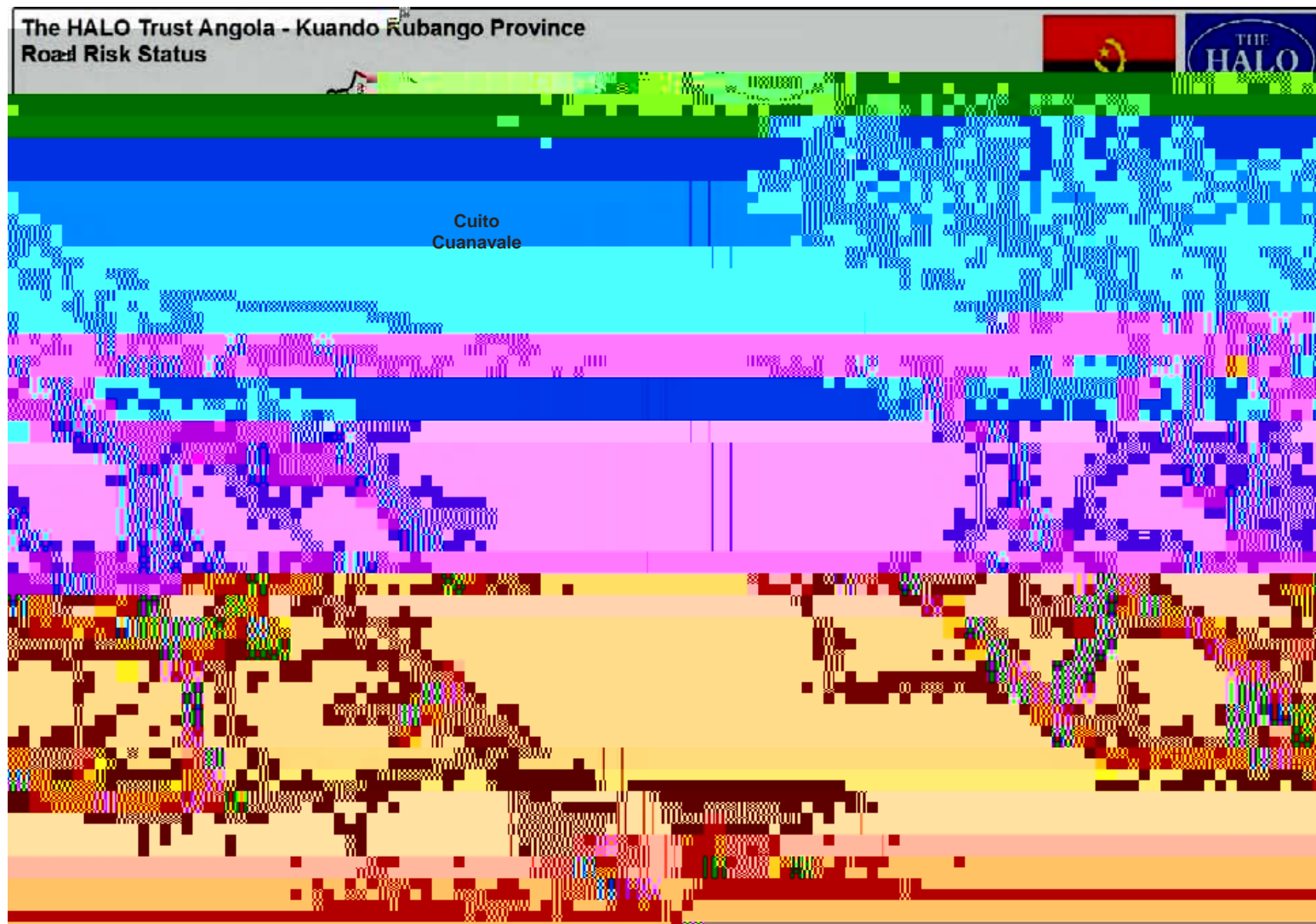


Jebrail Clearance





Roads in Southern Angola





Clearance on Sandy Roads





Beyond Metal Detectors

- Ground Penetrating Radar



- Gill Bucket



- Rotary Mine Comb

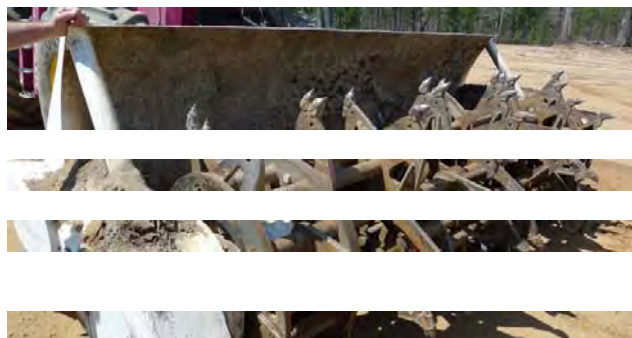


Alternative Techniques

- Explosive Trace Detection



- Tillers and Flails



- Other Prototypes



Impact of Clearance

