



USE OF TRAINING AIDS vs REAL MINES



Use Of Training Aids

Recognition – Classroom based lessons in recognition and classification of Ordnance

Placement – Field based lessons in Ordnance recognition in “real” scenarios

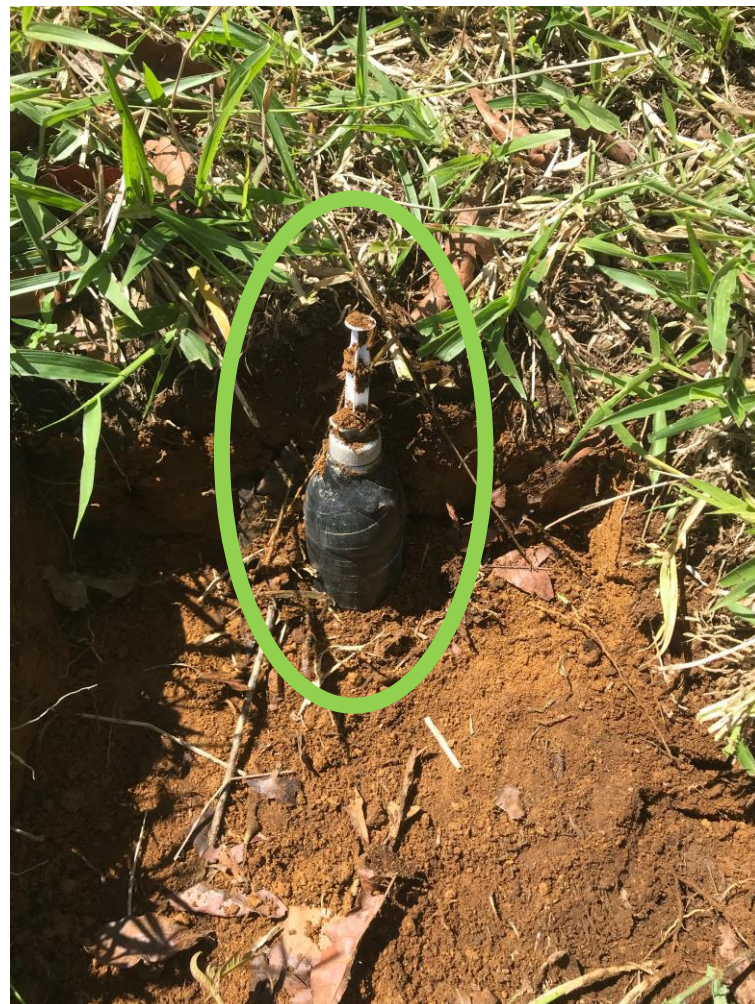
Marking of Ordnance – Utilizing aids in the training of marking of safe areas

Render Safe Procedures (RSPs) – Utilizing aids to teach the correct position of HO and LO techniques

Demining – Utilizing aids to practice the techniques used to carry out “actions on” mine discovery (reporting, veg cutting, excavation etc)

Influence – Public and donor presentations highlighting the AP mine problem

Demining – improvised AP mine



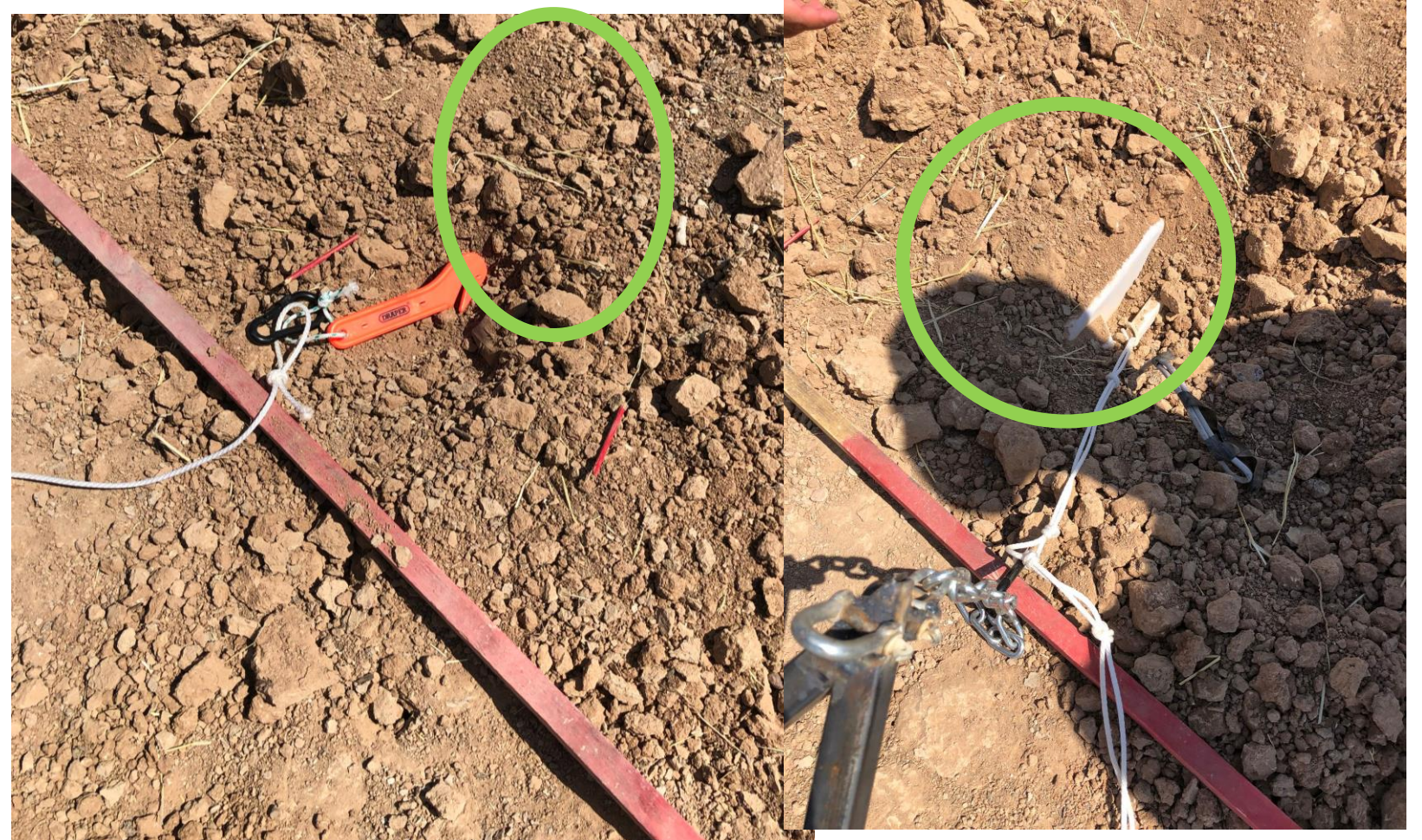
Demining – improvised device



Demining – AP mine



Render Safe Procedures



Influence



Free From Explosives (FFE)

Historic system of utilising “real” ordnance made safe

Explosive content removed or was empty on discovery

FFE Registers





FFE Register

 handicap international Free-From-Explosives-Register--Libya

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Item-name → → : → Mortar

Item-Size → → → : → 81mm

Item-FFE-Code → : → HI/FFE/002



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Date-added-to-register → : → 06/08/18

Confirmed-as-FFE

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Signed → _____ -Date-¶



Technology and materials available



Wood



Plastic





3D Printing

The biggest revolution in training aid production, 3D printing gives us the potential to create highly accurate copies of AP mines and other ordnance.

The addition of functionality to the printed copy allows for realistic training to be designed.

3D Printed functional training aids



- Functional training aids allow a positive reaction to take place on the “functioning” of the training aid.
- Can be in the form of sound, light or smoke.
- An electronic circuit has been added to the internal part of the mine which when closed by the dummy mine’s initiator (pressure pad, tripwire etc...), functions the device with sound, light etc



HI Standpoint

Humanity and Inclusion believe the future of training demining operators does not need to involve the use of real mines or other items of live ordnance. The use of inert and functional training aids that simulate the same characteristics of real mines without the dangers associated with live ordnance, provide an acceptable level of training for operators whilst allowing instructor and student to partake in lesson plans safely.

QUESTIONS?