NEWSAR SAR Field Team Member: Unit 10

Tracking

March 3, 2020



What is "Tracking"

- Locard's principle: "..you can't move through an environment without changing stuff...."
- Following a subject's "sign" (changed stuff)
 - Step by step "man" tracking
 - Signcutting/Tracking/Mantracking/Visual tracking
 - Signcutting = mantracking/tracking/visual tracking
 - Signcutting = trying to acquire a track
 - Signcutting = jump tracking



Changed Stuff

- Sign
- Track
- Print



Tracking in SAR

- Preserve sign, particularly at LKP/PLS/IPP and along trails
 - Locate Staging, IC, etc. elsewhere
- Trackers can establish direction of travel
 - dramatically reduce the high probability search area
- Really good trackers can move faster than the subject
 - They are very rare but a great resource



The "right" sign?

- There (nearly always) sign all over the place!
- The "right" sign will be:
 - In the "right" place
 - At the "right" time (age)
 - Doing the "right" thing















Use Sun Angle

- Tracking is easiest when the sun is low (morning and evening).
- Keep the tracks between you and the sun.



Sign

Flattening
Regularity
Color Change
Disturbance



Color Change

Regularity

risturbance

-latten



Flattening

lacksquare

ΒY

(CC)

0

SA

Flattening: Impressed Pebbles

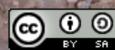




Regularity



Regularity, Color Change



Color Change: Transfer











Disturbance

Underside.

Bruising

Disturbance



Disturbance: Cracked Leaves





Bottom of Leaf



What do you know about the sign?

- Conclusively Human
 - Identifiable as the subject's tracks
 - Made: Identifiable and describable
 - Definitely human sign
- Possibly Human: Corroborant sign





Look for sign in three dimensions







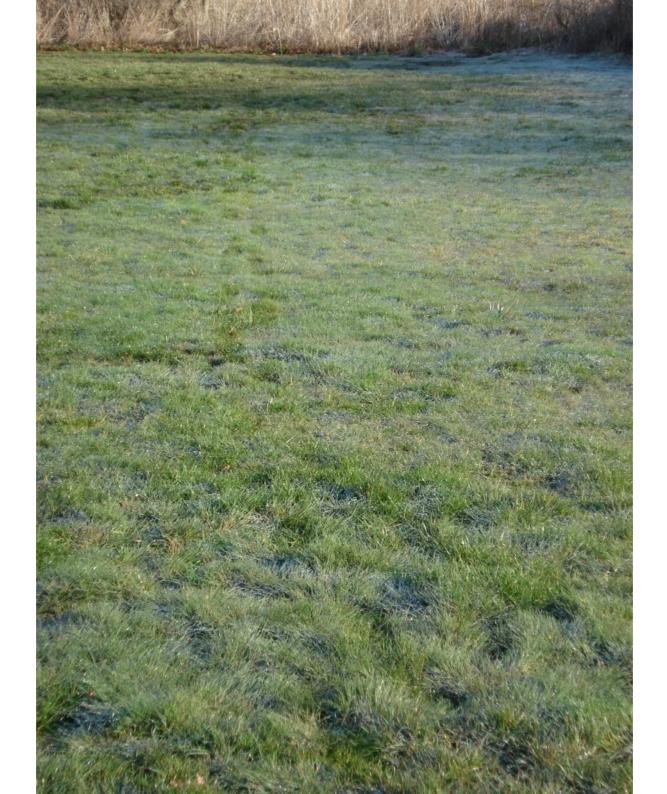




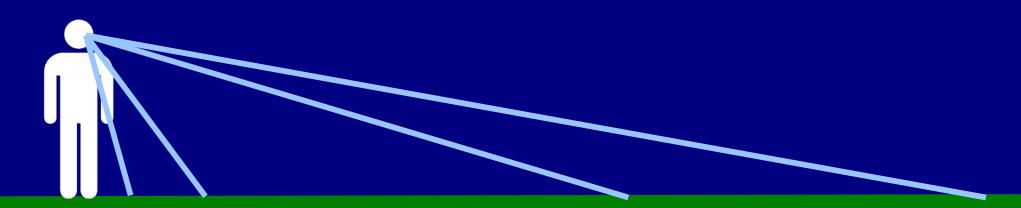












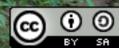
Most Sign

Shine Dew tracks Frost tracks Tall grass



Walk Here

Look Here



Dirt time

- Tracking step by step
- Tracking Stick
- Drawing and Describing Tracks
- Observing behaviors
- Watching sign age

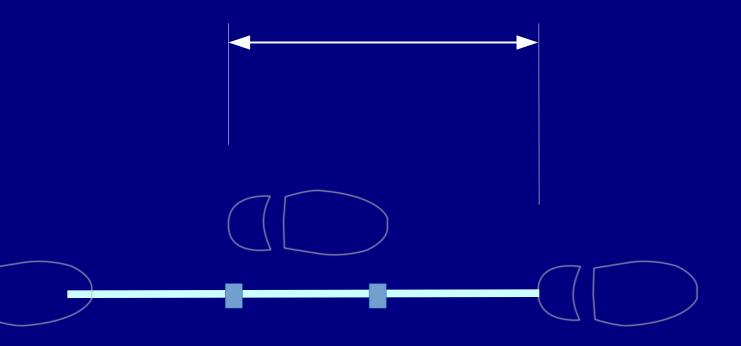


Tracking Stick

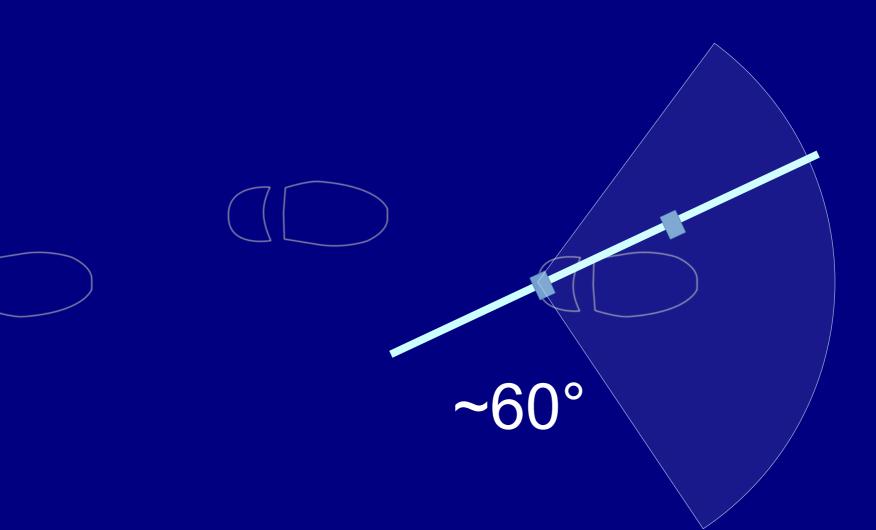
- Mark with print and stride measurements
- Focuses your attention when tracking step by step.















Behavior

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Search Crucials

- Search is an Emergency
- Search is a classic mystery
- Search for clues not just the subject
- Know if the subject leaves the search area
- Close grid search as a last resort
- Manage by objectives
- Search management is information management



Supporting a Tracking Task

- Stay behind.
- Stay situationally aware.
- Look ahead.
- Look for Clues.





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