

# BLOOD DNA EVIDENCE

One week submersion study

# Site information

Surface Temp 75 degrees

Bottom Temp 65 degrees

Depth 15 feet

Visibility 0 to 3 feet

Fresh water manmade lake

Bottom conditions

Muddy / approx. 4 inches silt to hardpan

Significant thermocline at 6 feet

Lake is surrounded by trees, shrubbery  
and few surface water plants.

Subsurface aquatic plants observed in  
shallow water but nothing below 3 feet.

Assorted sizes and species of fish,  
turtles and snakes present.

Weather:

Sunny

Clear

68 degrees



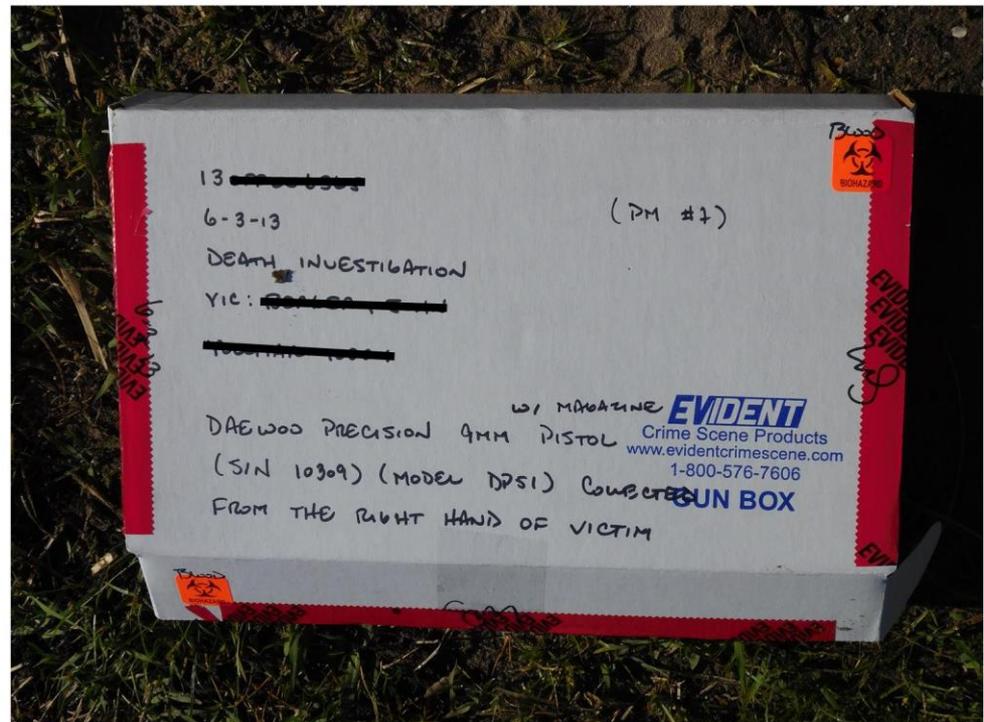


Area of test object 3a

## Daewoo Precision 9mm handgun

Firearm was used in  
a 2013 suicide

Blood and possible  
skin tissue visible



Control Sample

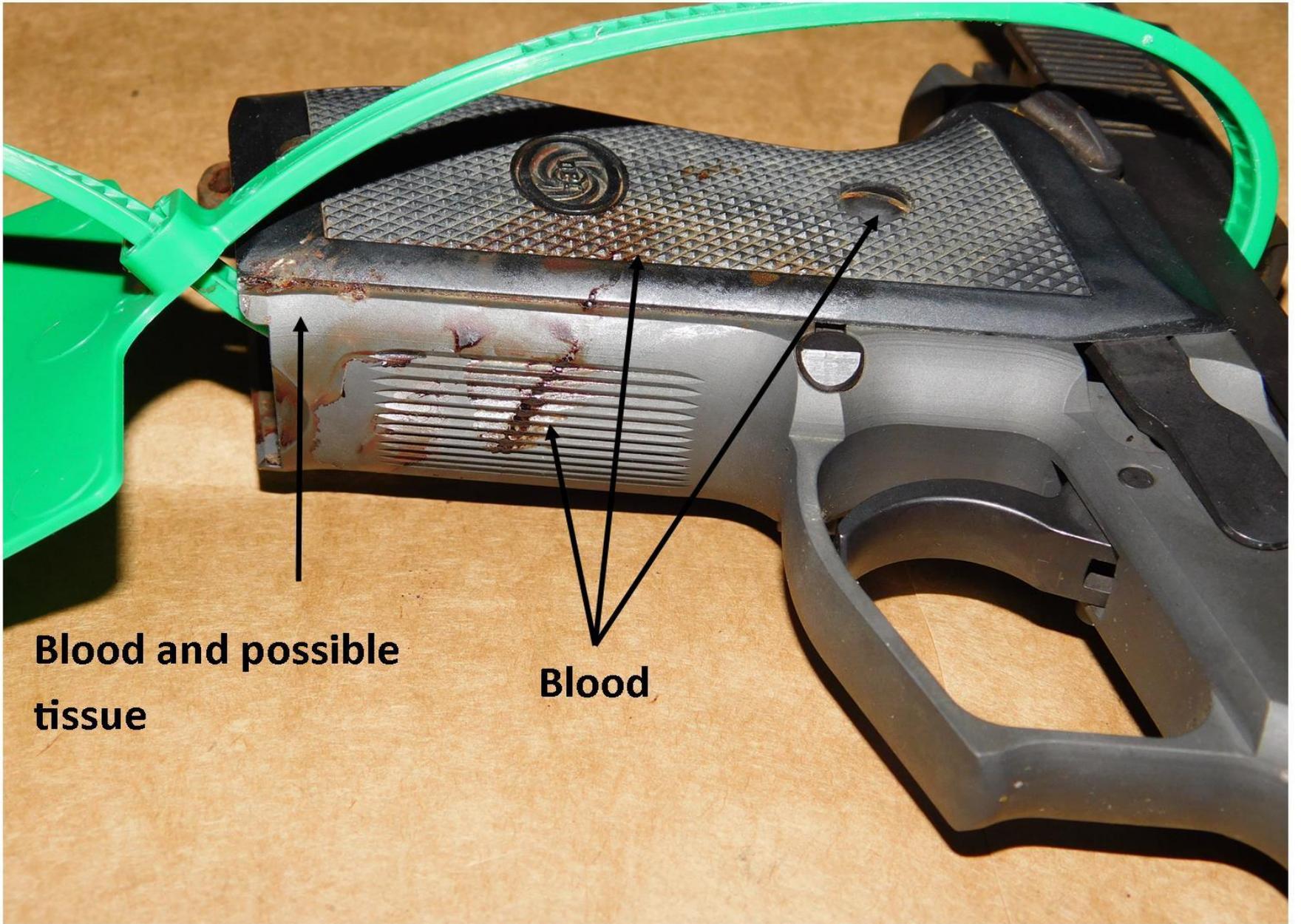


**BIOHAZARD**



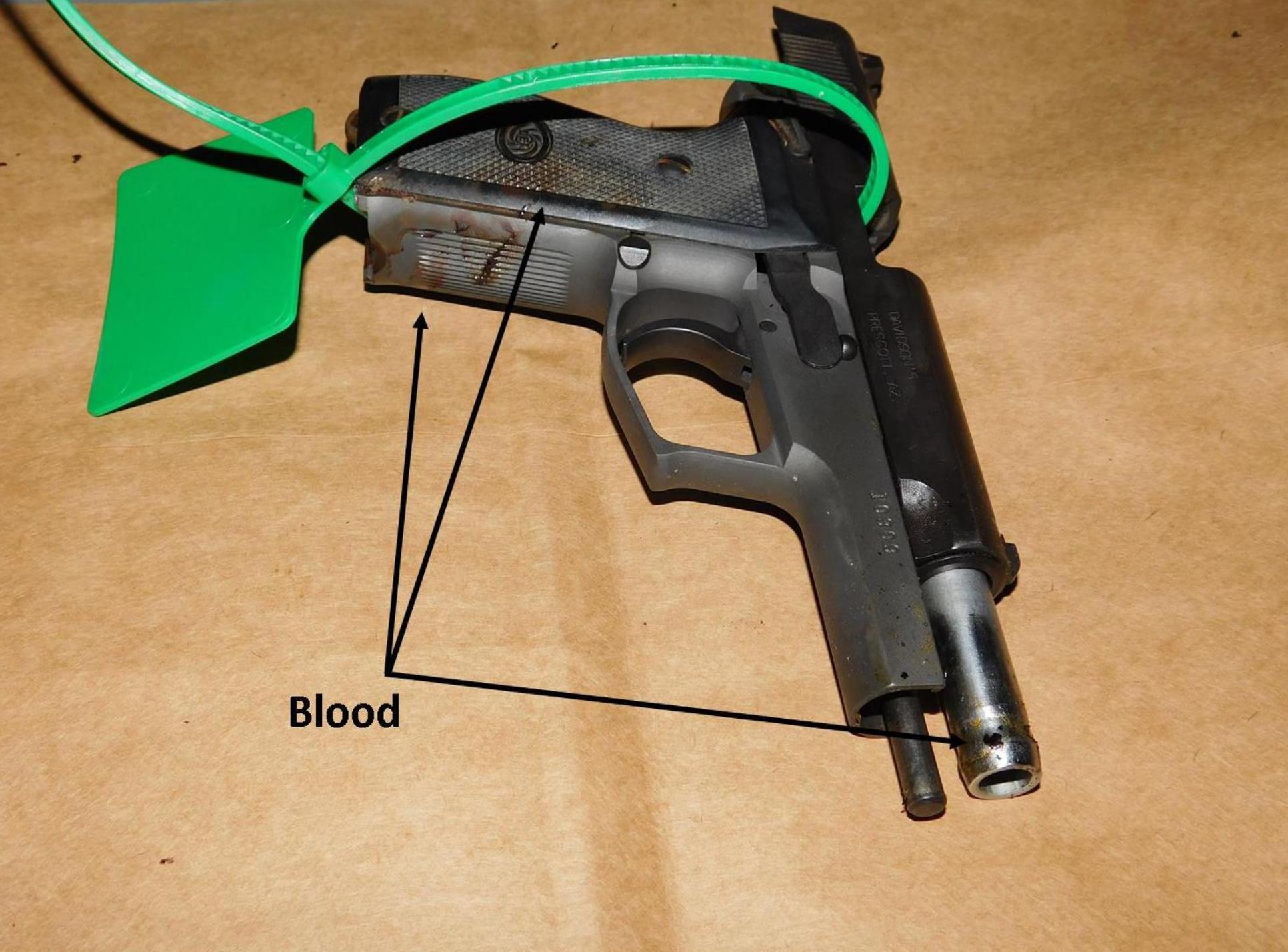
DAEWOO PRECISION INDUSTRIES LTD.  
DONG 21MI PAJAVRETELUM BANGOR IN KOREA





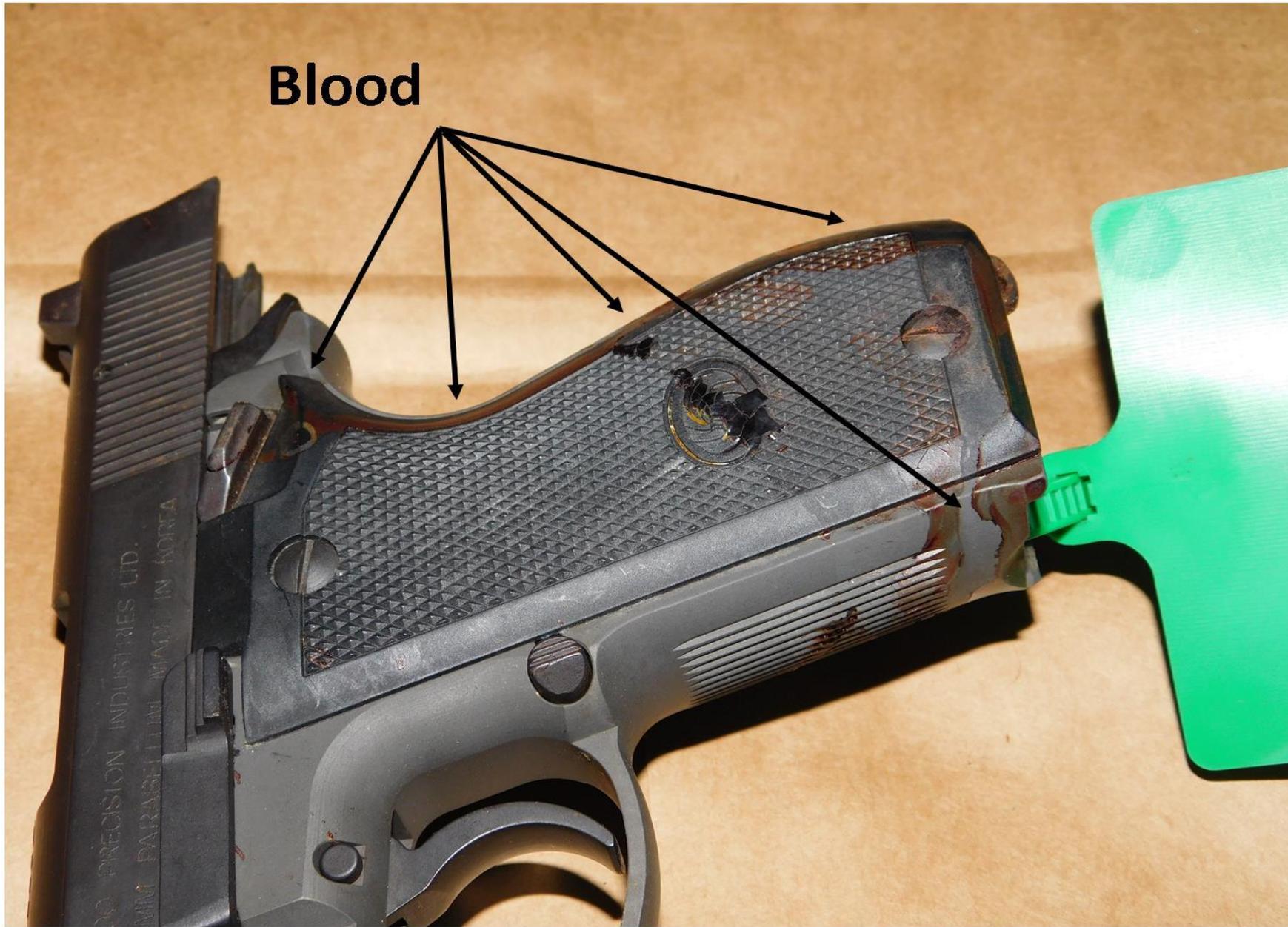
**Blood and possible  
tissue**

**Blood**

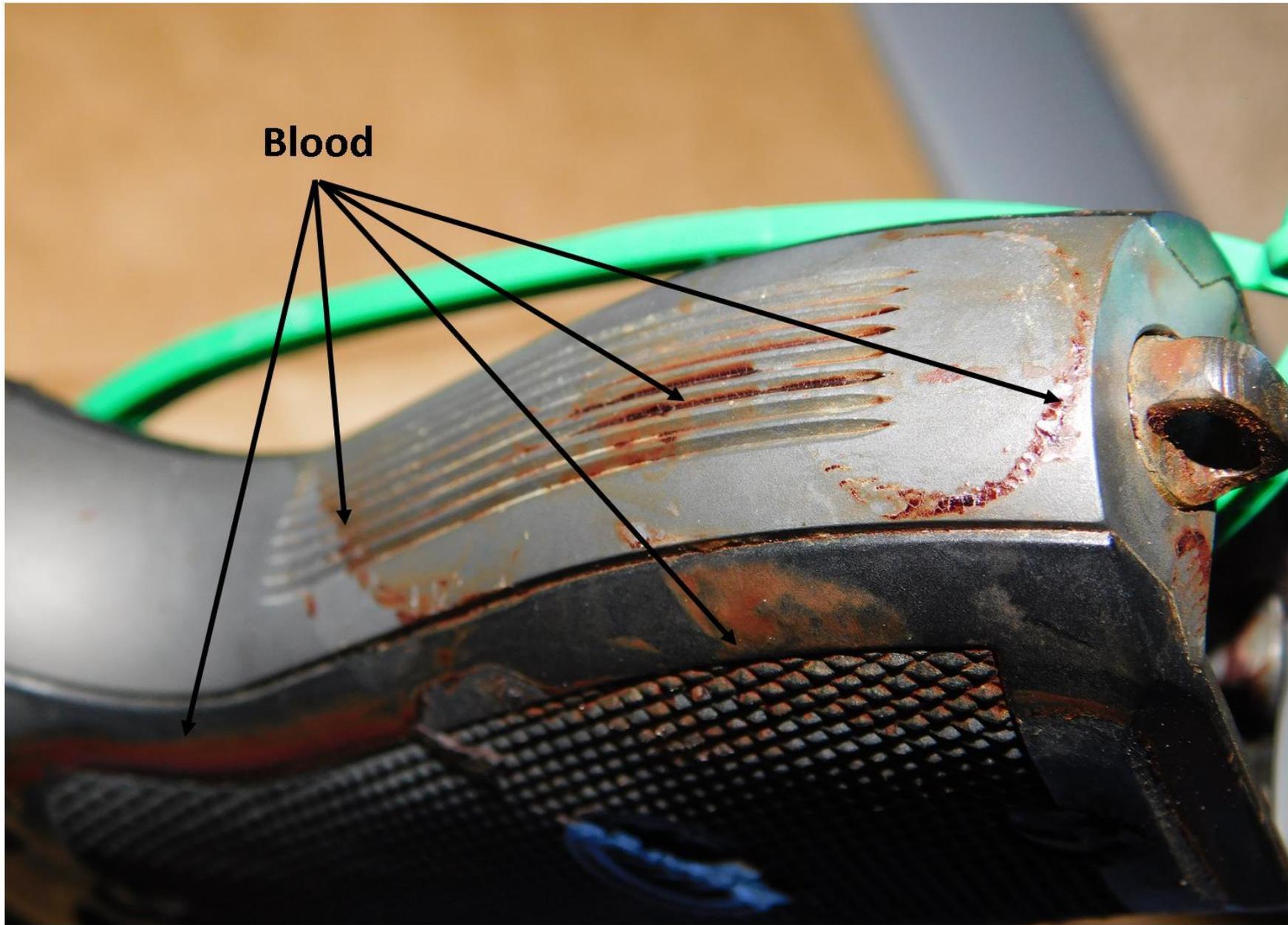


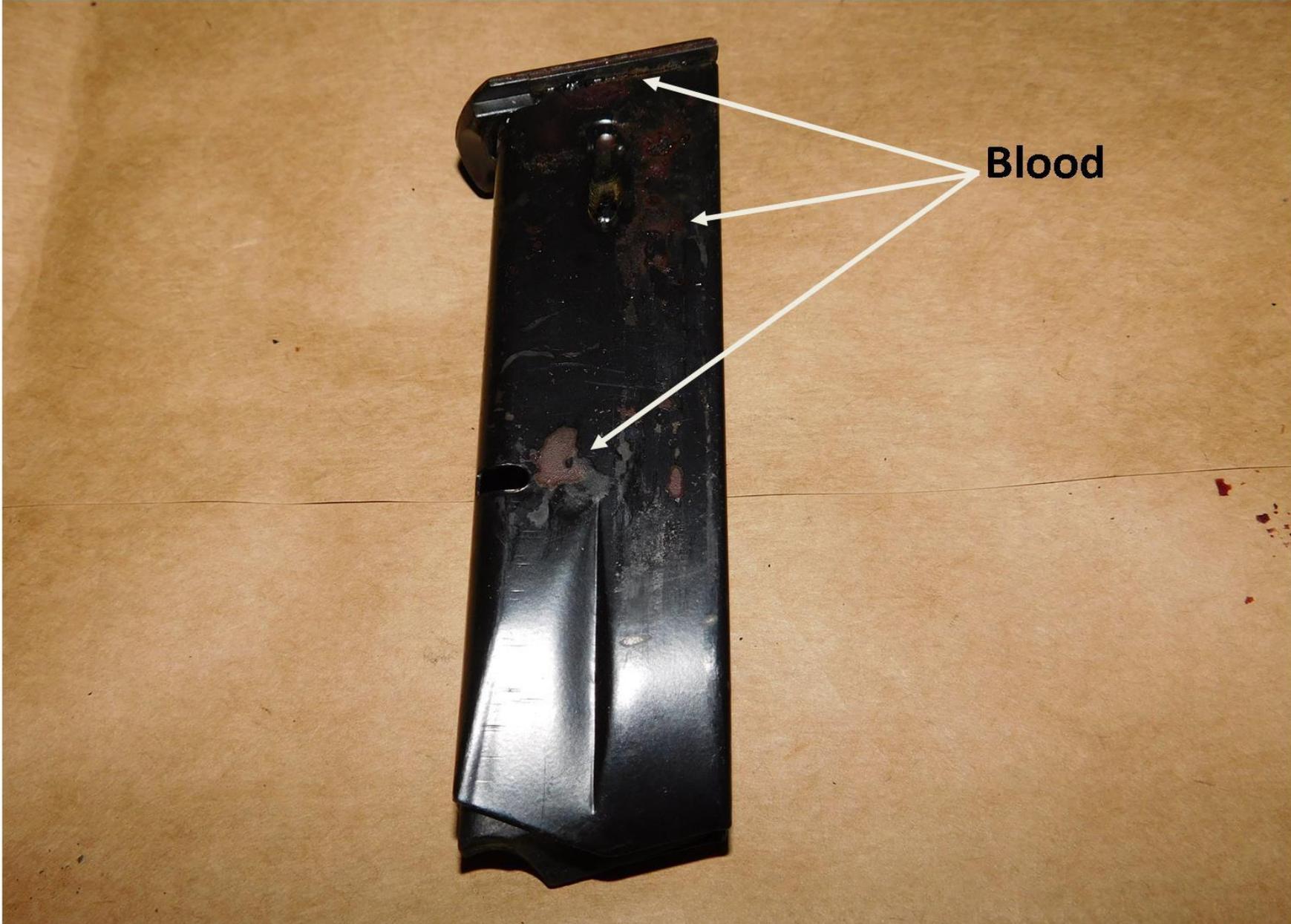
**Blood**

**Blood**

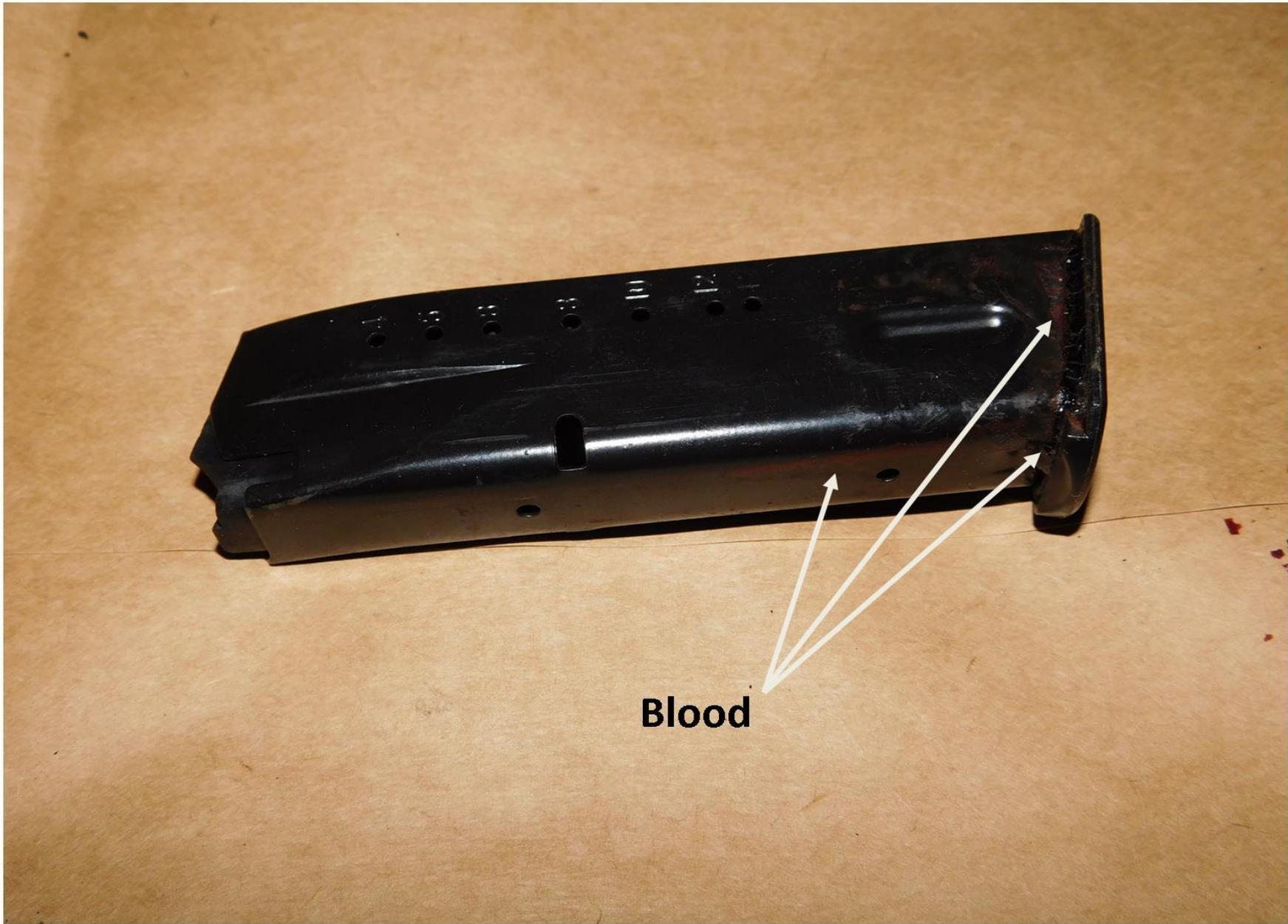


**Blood**





**Blood**



**Blood**

4/10/16 0845hrs

Firearm and magazine were placed in a plastic container and submerged. Items were taken to the bottom of the lake and removed from the container.



# SITE DIAGRAM 3a

Site Location  
15 Feet deep

Rebar

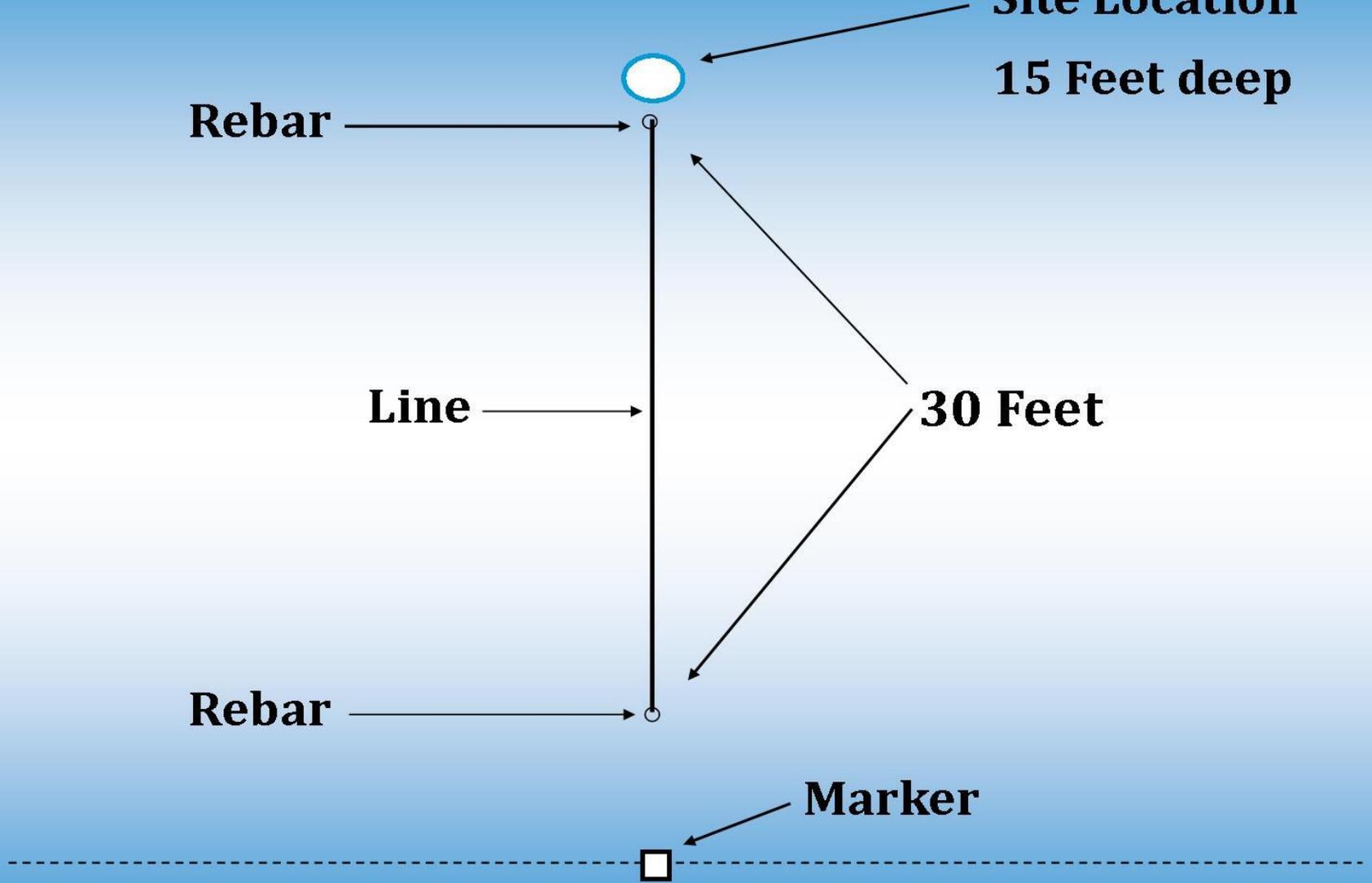
Line

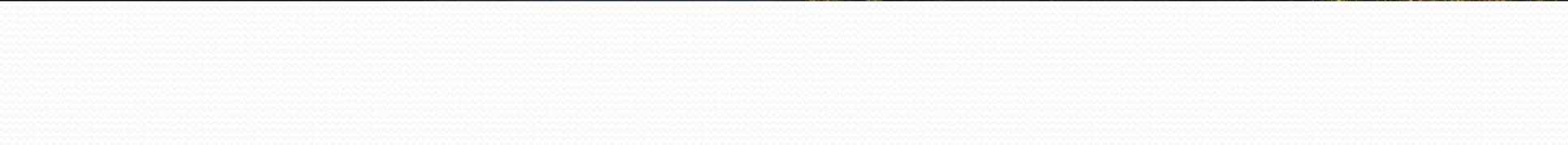
Rebar

30 Feet

Marker

Water's edge





# After one week submersion

Recovery phase

## RECOVERY PHASE

Recovery 04/17/16

1:33PM

Gun and magazine were recovered and placed into a sterilized container.

Lake conditions, temperatures and weather conditions similar if not the same as submersion date.



## Drying phase

Gun and magazine placed in a drying room.

Gun and magazine showed signs of oxidation within an hour of recovery.

Blood still visible







## Drying phase

After 9 hours drying, heavy oxidation is present











Allele Recovery - 9MM gun (Blood, Suicide Case) - 1 week  
Identifiler Plus (34 cycles)

