

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



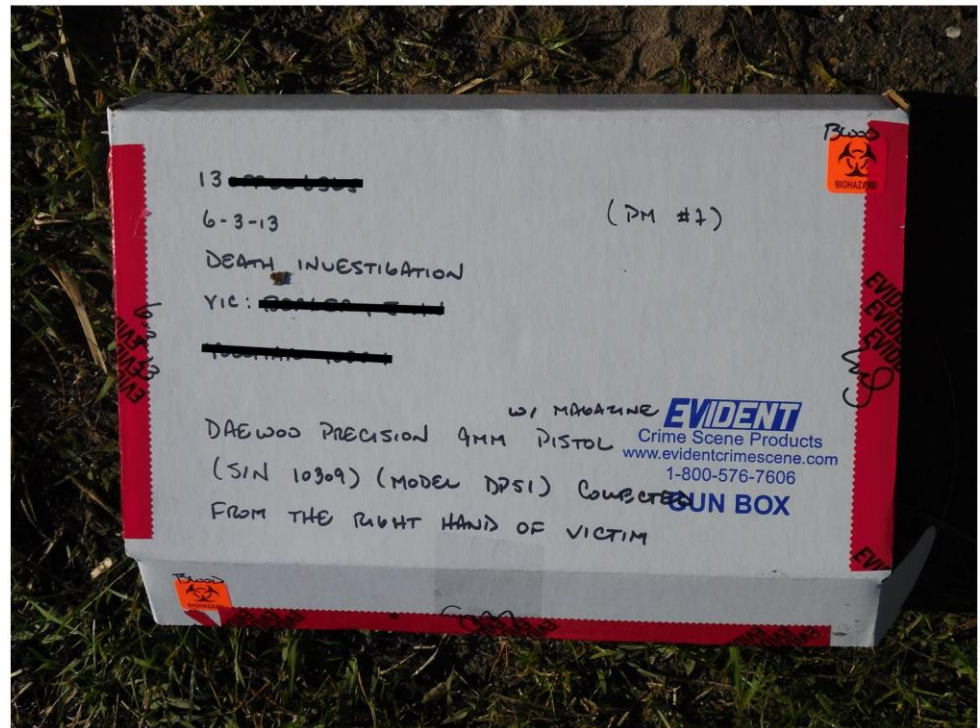


Area of test object 3a

Daewoo Precision 9mm handgun

Firearm was used in
a 2013 suicide

Blood and possible
skin tissue visible

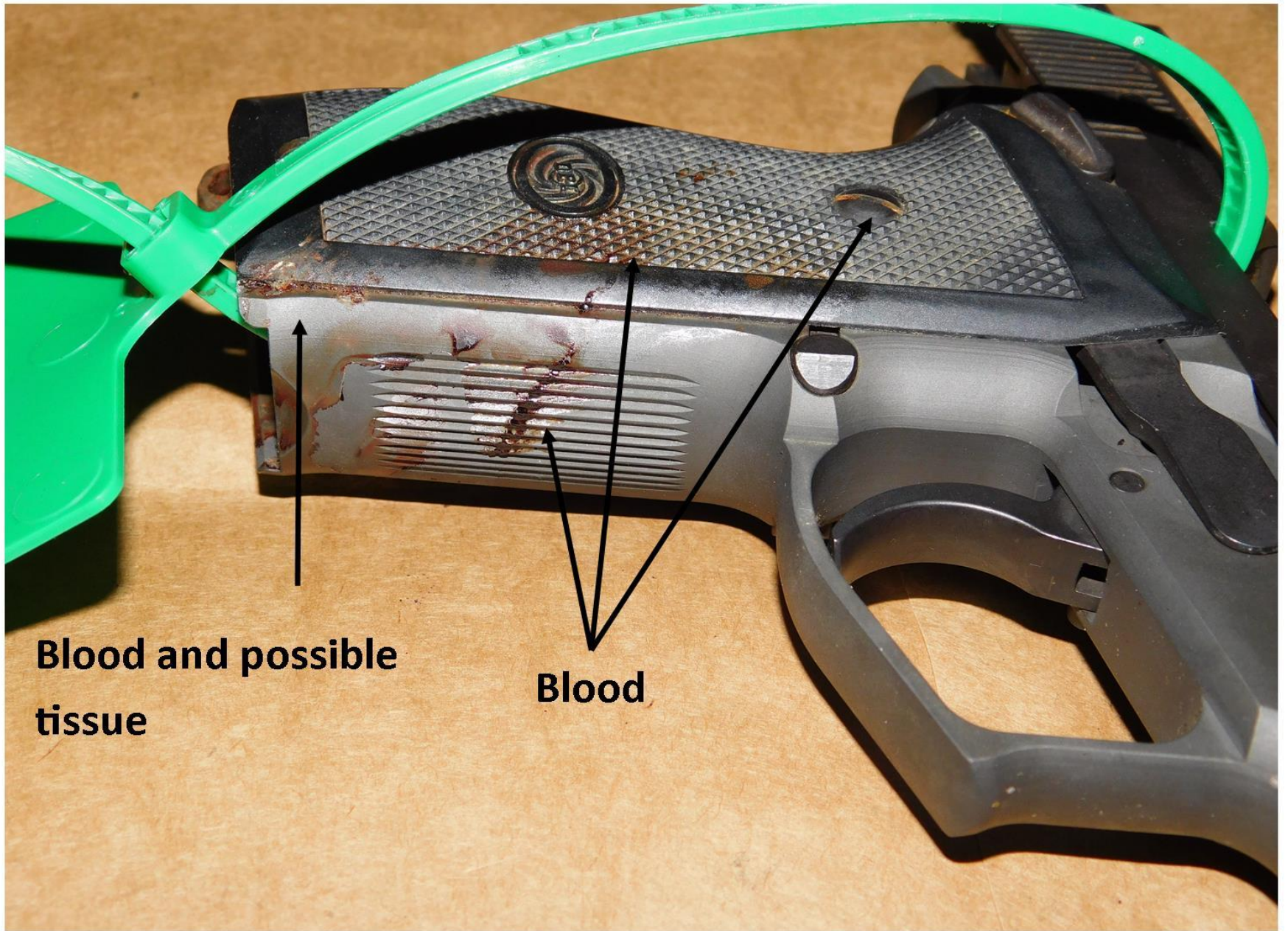


Control Sample



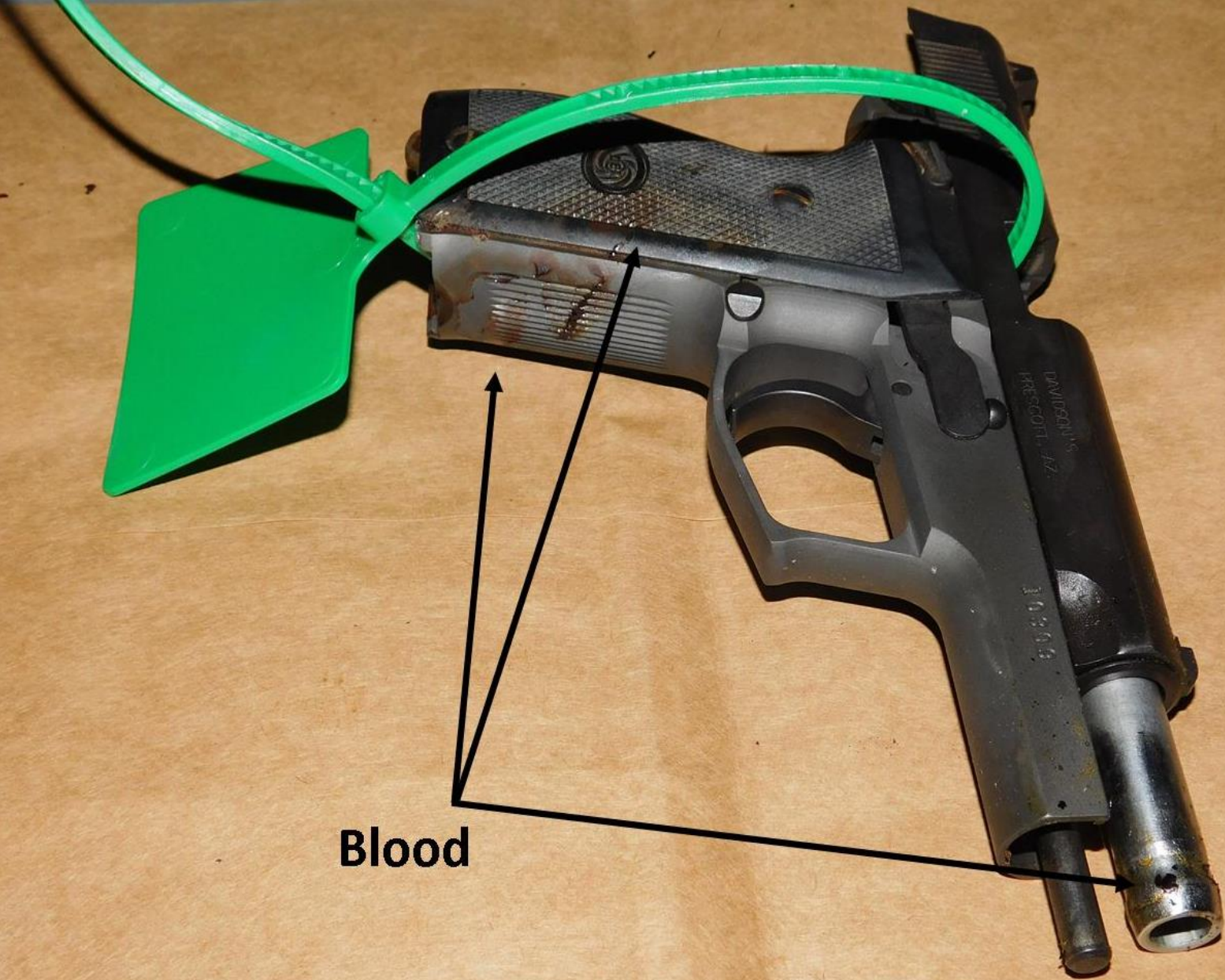
BIOHAZARD





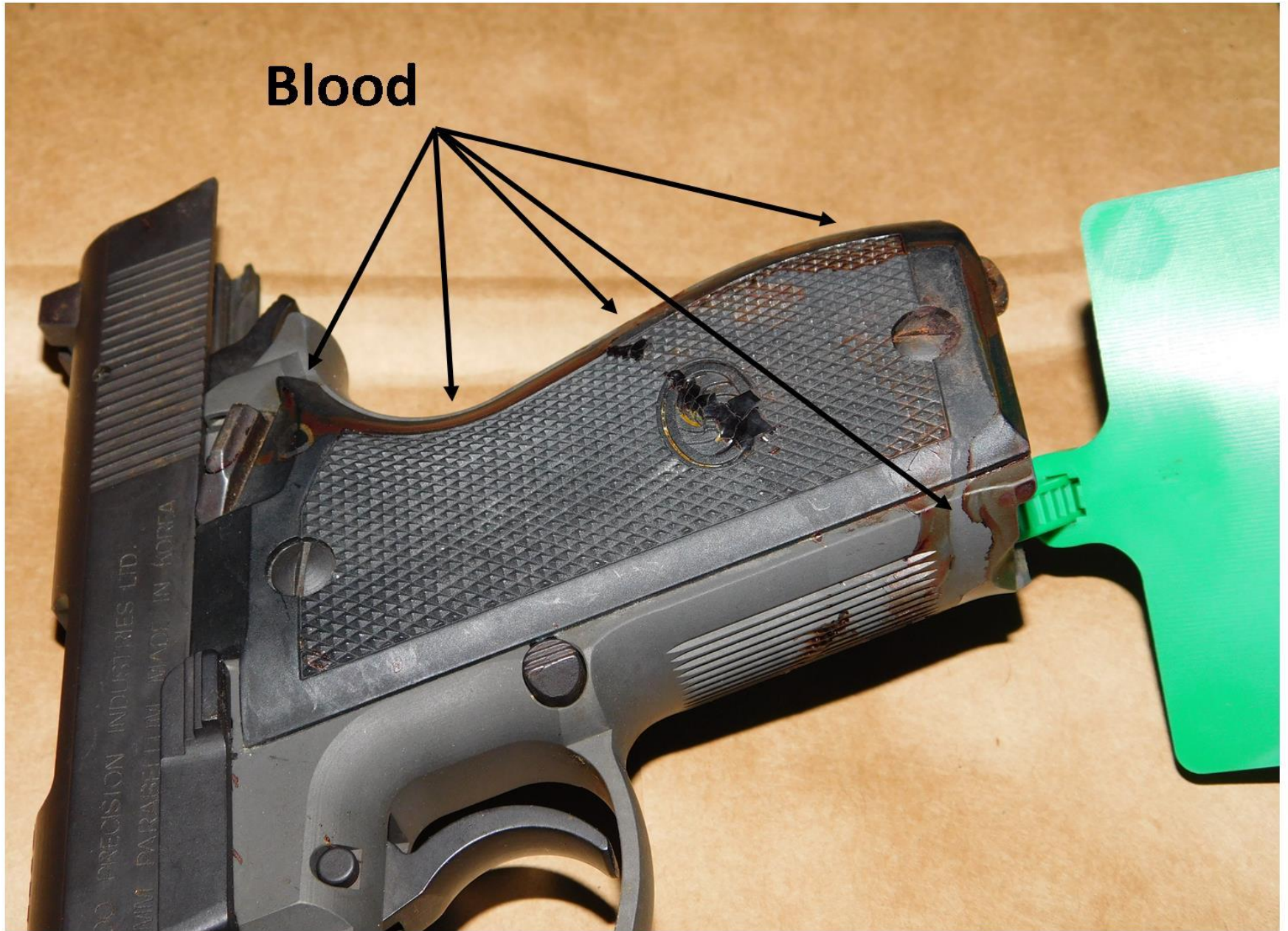
**Blood and possible
tissue**

Blood

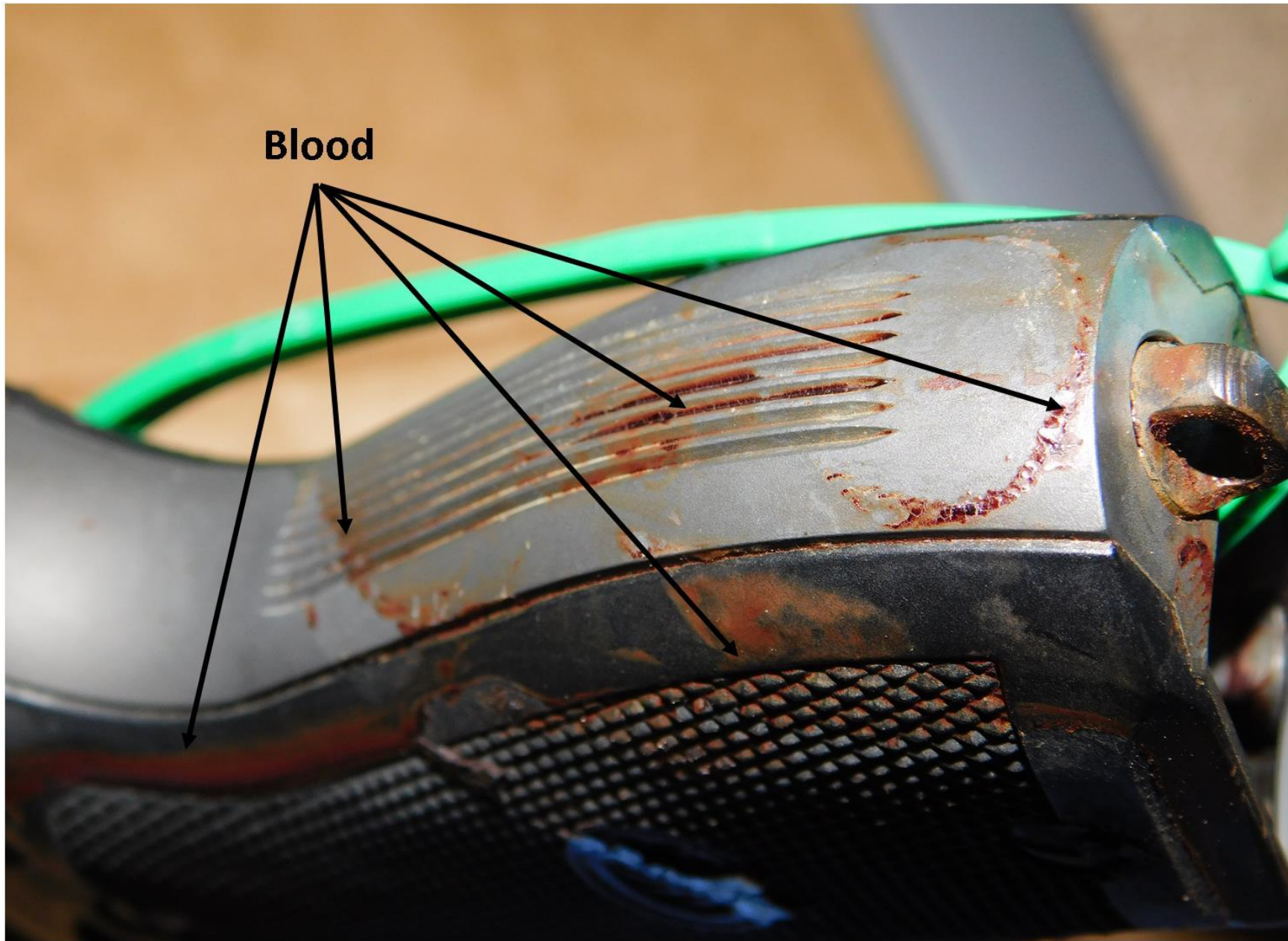


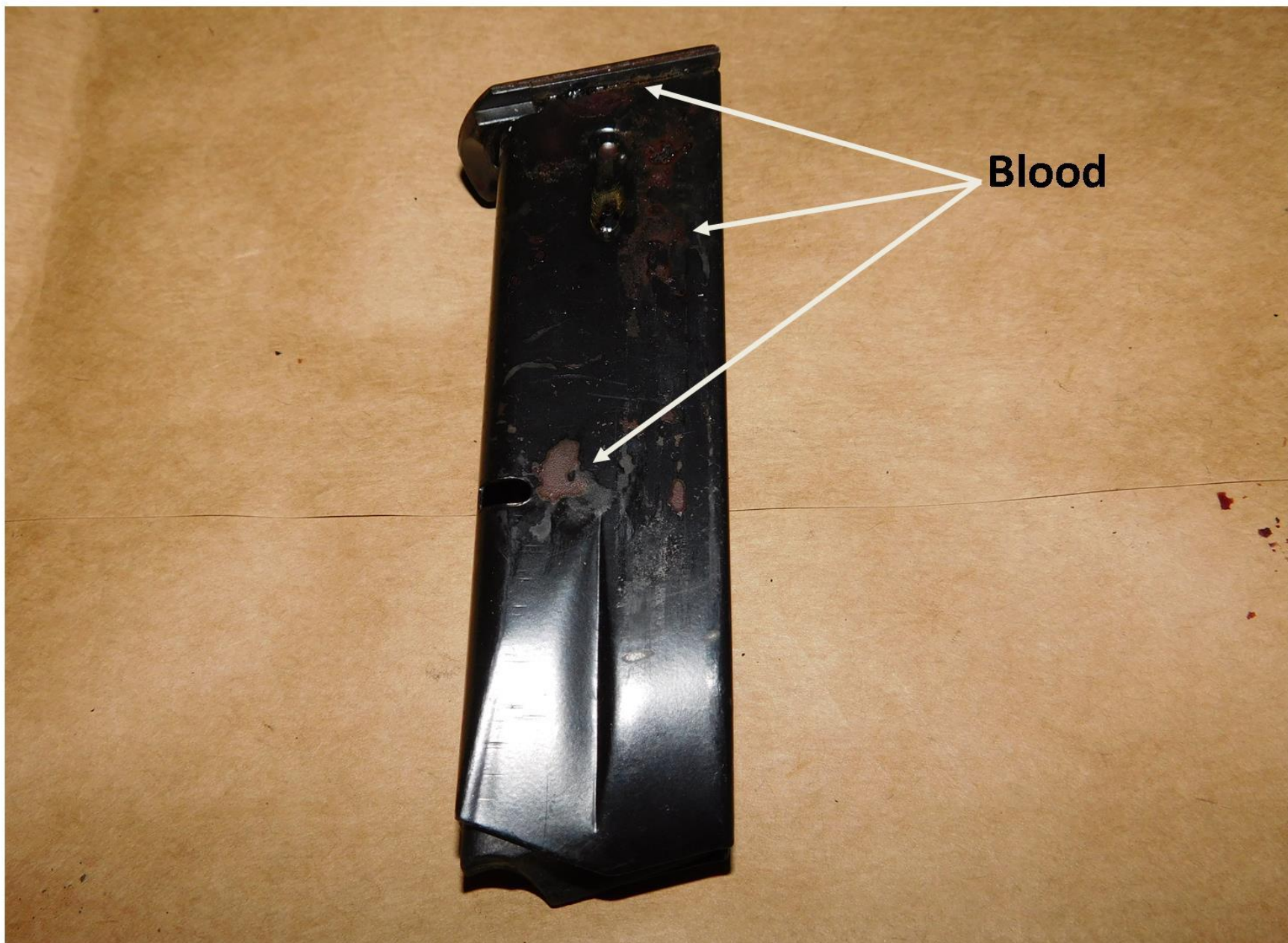
Blood

Blood

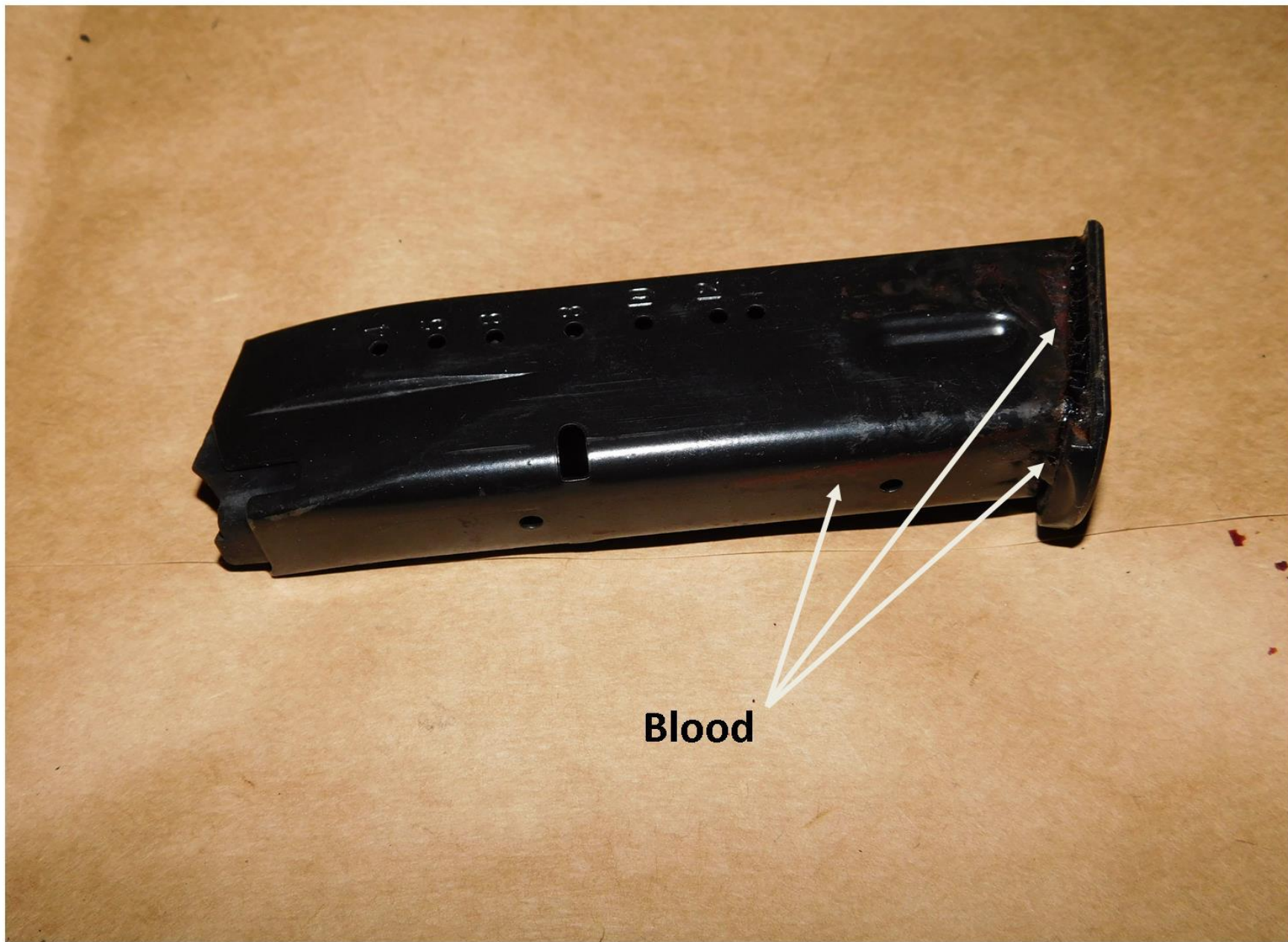


Blood





Blood

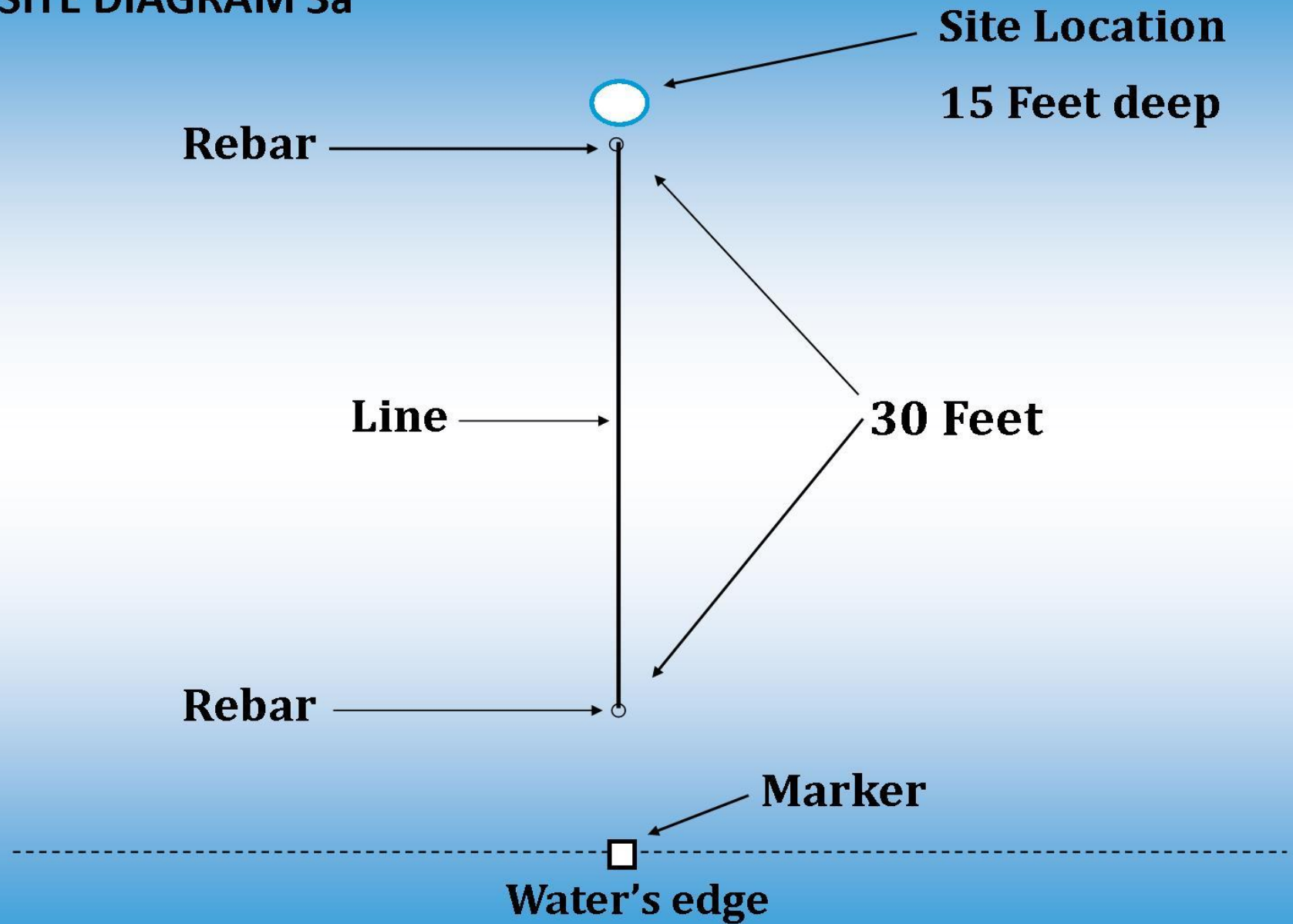


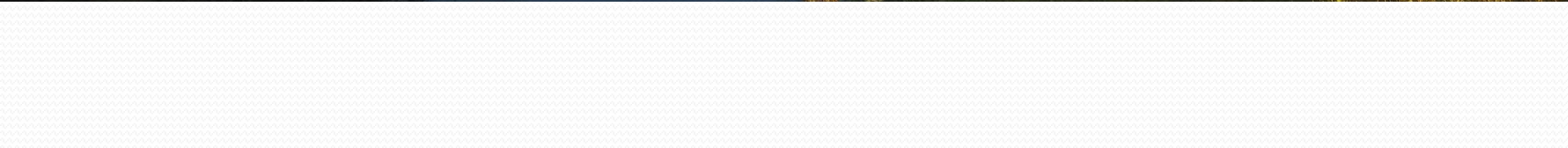
4/10/16 0845hrs

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





After one week submersion

Recovery phase

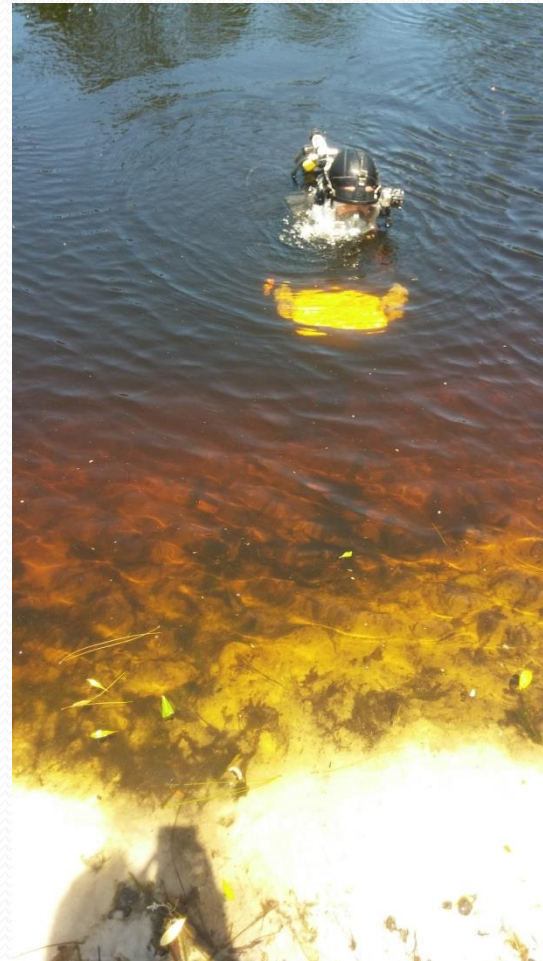
RECOVERY PHASE

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)

