

**Performance of No Man's Land 20 gauge
'0-2' Buckshot
in Bare 10-percent ballistic gelatin**

Brass Fetcher Ballistic Testing

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Summary

	Shot 1	Shot 2	Shot 3
Calibration depth (Inches, corrected to 590 ft/sec impact velocity) (Ideal gelatin block penetration depth = 3.4")	3.6		
Impact velocity (Measured at 7ft) (ft/sec)	1199		
Median Penetration Depth (inch)	14.5		

Notes :

Weapon – Mossberg 20 gauge *Model 500*; 18.5" barrel length, cylinder choke

Distance – 10.0 feet, muzzle to impact face

Shot 1

Block Calibration Velocity (ft/sec)	Block Calibration Depth (inch)	Block Calibration Temperature (Degrees Fahrenheit)	Block Core Temperature (Degrees Fahrenheit)
616	3.9	42.7	42.0

Impact Velocity (ft/sec)	Deepest Penetration Depth (inch)	Maximum Crack Diameter (inch)	Maximum Crack Diameter Location (inch)
1199	18.0	5.3	4.8

Cavitation Depth (inch)	Pellets Recovered Independent of the primary cavity (quantity)	Pellet Combined Surface Area Independent of the primary cavity (square inch)
9.2	10	0.617

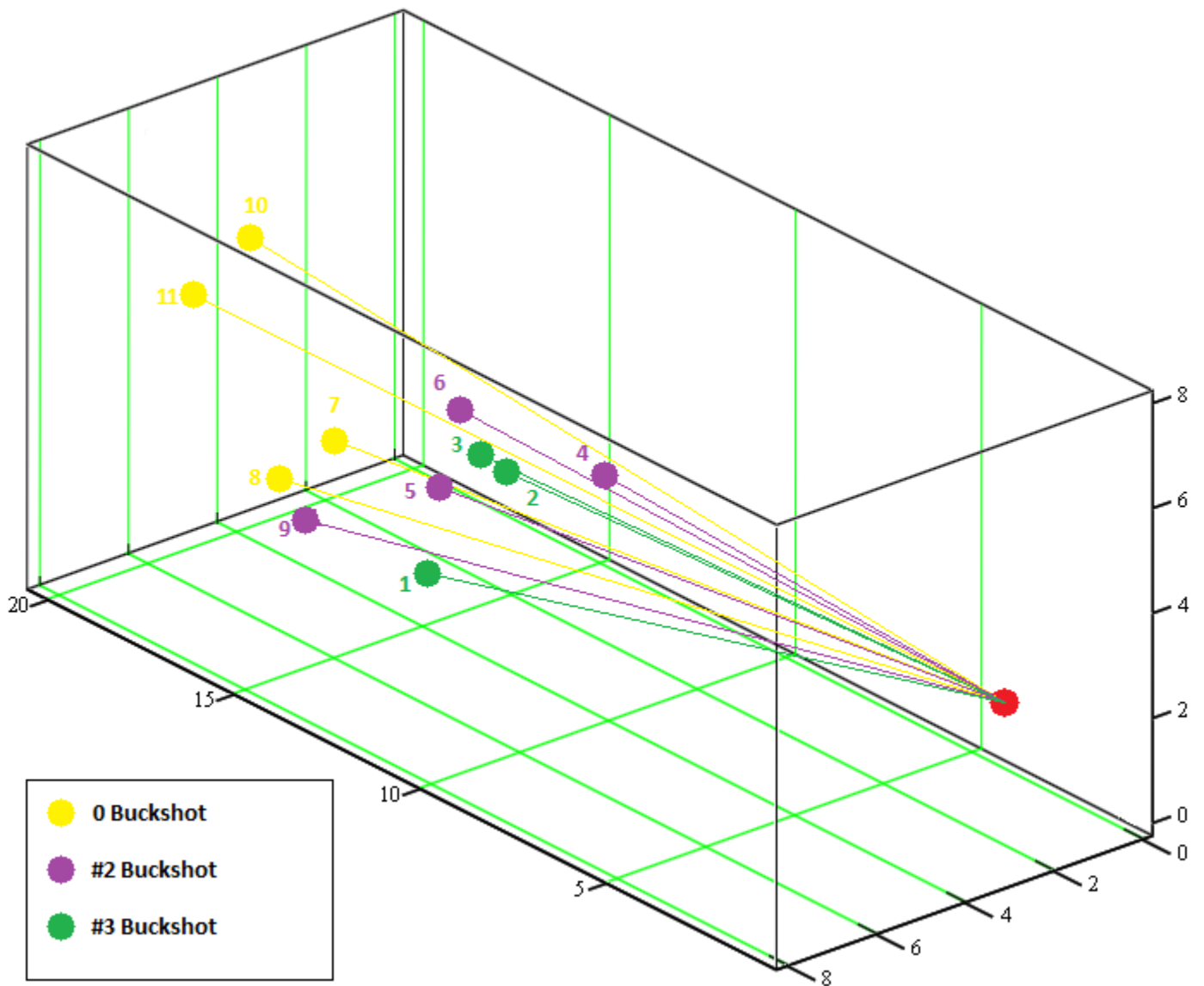
Test site conditions – 75 degrees Fahrenheit, 60% relative humidity

Time out of refrigeration prior to shot impact – 5 minutes

3-dimensional visualization of fragment penetration

Units = Inch

Figure 1.



Individual fragment penetration depths

Pellet number	Individual pellet penetration depths (inch)
1	10.2
2	11.9
3	11.5
4	13.0
5	13.9
6	14.5
7	14.6
8	16.6
9	16.8
10	17.3
11	18.0

Figure 2. Side view of **Shot 1** gelatin block

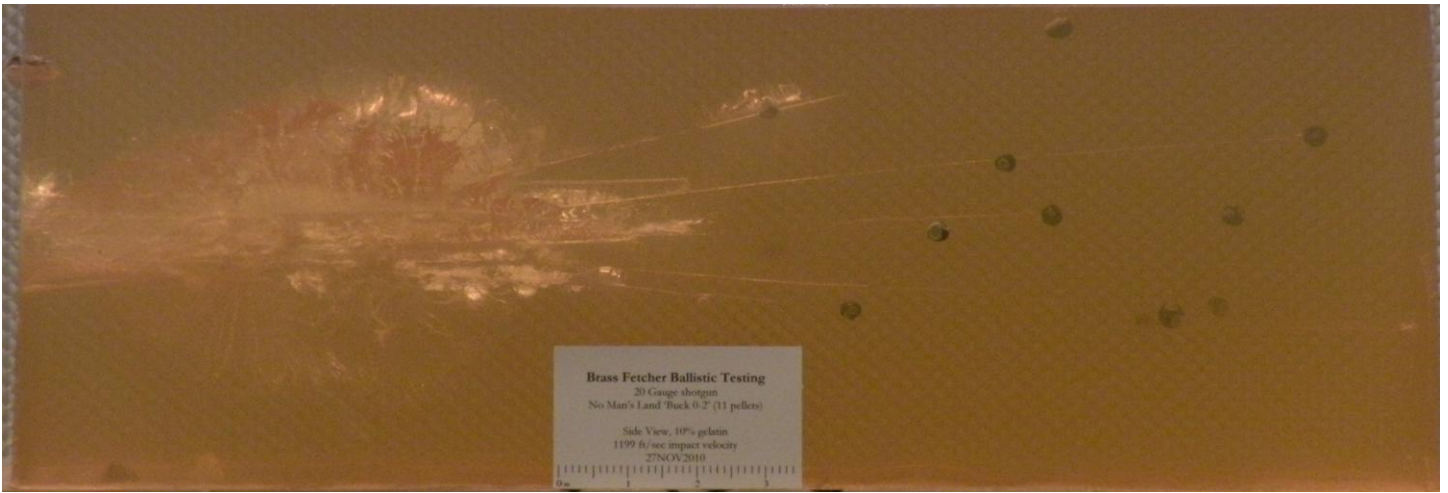


Figure 3. Top view of **Shot 1** gelatin block

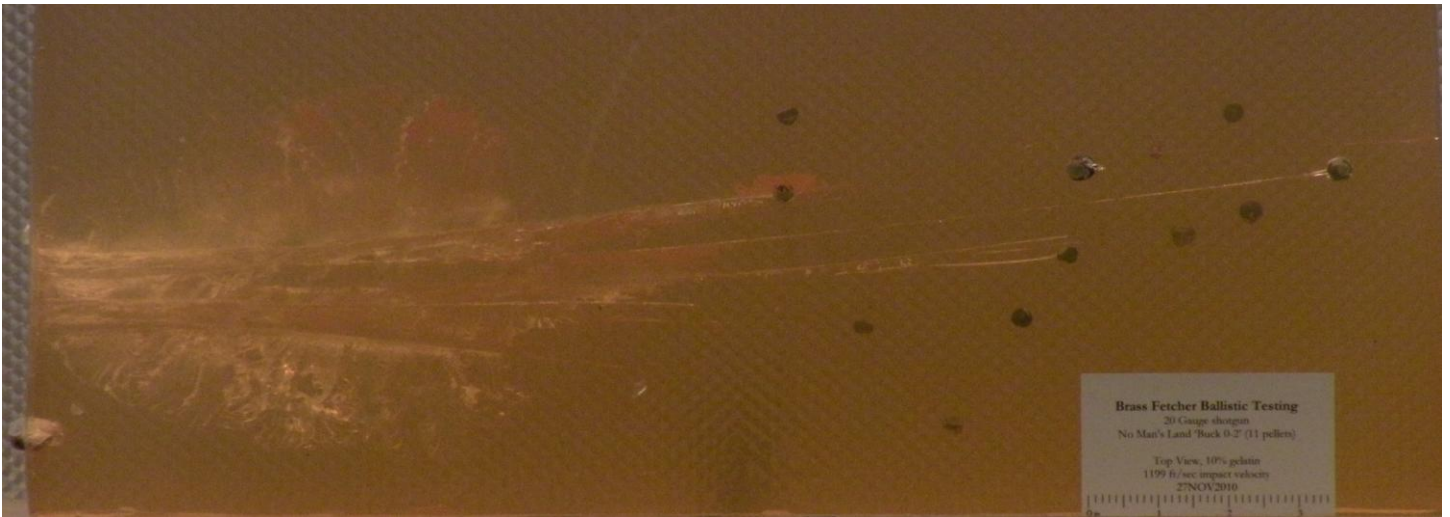


Figure 4. Fragment view of **Shot 1** recovered shot pellets

