



Fort Indiantown Gap, Pennsylvania Military Munitions Response Program



Ricochet Area Remedial Investigation Community Interest Group Meeting Overview of Munitions Recovered

5 May 2010



Ricochet Area Munitions Response Site on State Game Lands 211 - Overview of Munitions Recovered Through 30 April 2010

Items	Amount	Era	Weapon System	Explosive Hazard for Items Found	Energetic or Non-Energetic Components as Designed	Live Version Possibilities
37-mm M55A1 Practice Projectile	1	WWII thru 1950s	MIA2 or AN-M9 guns (direct fire)	No	Non-Energetic	37-mm HE
37-mm M80 Armor Piercing (AP) projectile	8	WWII thru 1950s	MIA2 or AN-M9 guns (direct fire)	No	Non-Energetic	37-mm HE
57-mm - M70 Armor Piercing (AP) projectile	5	WWII thru 1950s	M1 gun (direct fire)	No	Non-Energetic	57-mm HE 57-mm APHE 57-mm HEAT
60-mm - Mortar M721 Illumination	1	1978 thru present	M249 Mortar tube	No	Non-Energetic	60-mm Mortar HE
81-mm Mortar - M879 Practice Mortar (5) and mortar parts (1)	6	1984 thru present	M252 Mortar tube	No	Energetic	81-mm Mortar HE
81-mm Mortar - M301A2 Illumination	2	1984 thru present	M252 Mortar tube	No	Energetic	81-mm Mortar HE
75-mm - M339 Armor Piercing (AP)	17	WWII thru 1950s	M2 & M3 gun, A direct fire weapon (high velocity)	No	Non-Energetic	75-mm APHE 75-mm HE (already discovered)
75-mm HE projectiles w/M51A5 fuze	with fuze: 2 without fuze: 4	WWII thru late 1970s	M1 Howitzer (indirect fire)	Yes	Energetic	75-mm APHE 75-mm HE (already discovered)
105-mm - M467 Practice HEP-T (TP)	7	1950s thru present	M68 gun (Direct fire) Anti-structure and anti-tank weapon	No	Non-Energetic	105-mm HEAT 105-mm HEP 105-mm HE
105-mm - M392 Armor piercing discarding sabot (APDS)	2	1960s thru late 1970s	M68 gun (Direct fire weapon) (high velocity)	No	Non-Energetic	105-mm HEAT 105-mm HEP 105-mm HE
105-mm - M490 & M490A1 Practice anti-tank projectiles	19	Post-Vietnam thru 1996	M68 gun (Direct fire weapon) (high velocity)	No	Non-Energetic	105-mm HEAT 105-mm HEP 105-mm HE
105-mm - M314 Illumination projectile (3) and canisters (5)	8	WWII thru 1950s	Several 105mm Howitzer's can fire this projectile (artillery) indirect fire	No	Energetic	105-mm HEAT 105-mm HEP 105-mm HE
4.2-inch - M335 Illumination projectile	2	WWII thru 1950s	M2 & M30 Mortar (indirect fire)	No	Energetic	4.2-inch HE
155-mm - M118 Illumination projectiles (3) and cannisters (10)	13	WWII thru present	Several 155mm Howitzer's can fire this projectile (artillery) indirect fire	No	Energetic	155-mm HE
155-mm - M107 projectile (empty)	2	WWII thru present	Several 155mm Howitzer's can fire this projectile (artillery) indirect fire	No	Energetic	155-mm HE
165-mm - M623 Practice HEP (TP)	1	1965 thru 2000	M135 gun Direct fire weapon)	No	Non-Energetic	165-mm HEP_ -
MK-2A4 Primers	4	WWII thru present	Several 155mm Howitzer's can fire this projectile (artillery) indirect fire	Yes	Energetic	155-mm HE

Fragment: 1 Total Munitions Debris: 95 Total DMM: 4 Total UXO: 6 Total Items: 105

Note: *The 75-mm is still in service today, but with a different fuze.

37-mm M55A1 Practice Projectile



37-mm M80 Armor Piercing (AP) Projectile



37-mm Direct Fire Weapon System



57-mm M70 Armor Piercing (AP) Projectile



57-mm Direct Fire Weapon System



60-mm Mortar M721 Illumination



60-mm Indirect Fire Weapon System



81-mm Mortar M879 Practice Mortar and Mortar Parts



81mm Mortar M301A2 Illumination



81-mm Indirect Fire Weapon System



75-mm M339 Armor Piercing (AP)



75-mm Direct Fire Weapon System



75-mm HE Projectiles with M51A5 Fuze



75-mm Indirect Fire Weapon System



105-mm M467 Practice HEP-T (TP)



105-mm M392 Armor Piercing Discarding Sabot (APDS)



105-mm M490 & M490A1 Practice Anti-Tank Projectile



105-mm M314 Illumination Projectile and Canister



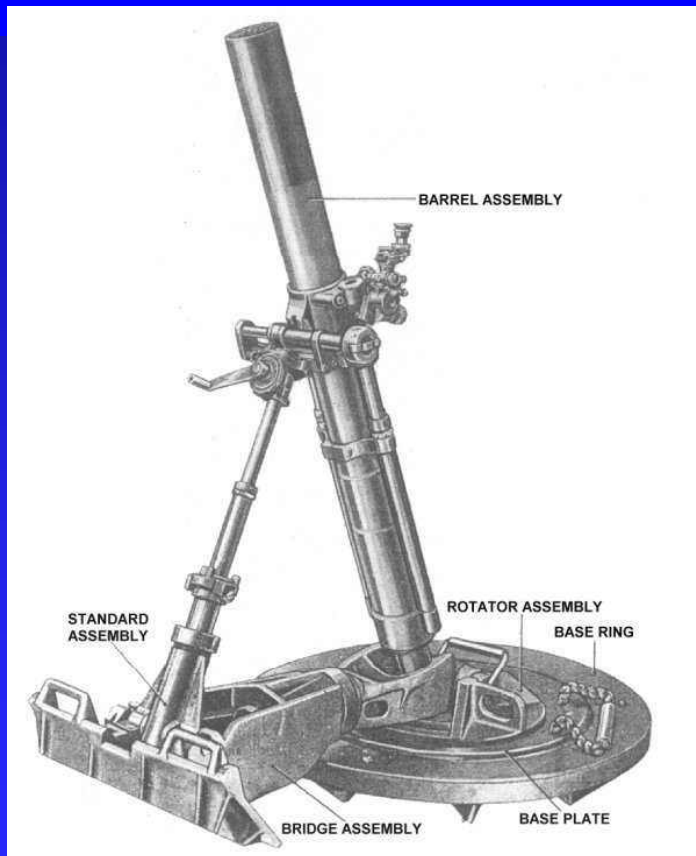
105-mm Direct Fire and Indirect Fire Weapon Systems



4.2-inch M335 Illumination Projectile



4.2-inch Indirect Fire Weapon Systems



155-mm M118 Illumination Projectile and Canister



155-mm M107 Projectile



155-mm Weapon System



165-mm M623 Practice HEP (TP)



165-mm Direct Fire Weapon System





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Questions?



The Trusted Integrator for Sustainable Solutions