

**FIRING/NONFIRING DATA**

*For use of this form see USAIC Regulation 350-19; the proponent agency is DPTMS*

|   |  |
|---|--|
| <b>TO:</b> Chief,<br>Range Division,<br>Directorate of Plans, Training, Mobilization and Security<br>Fort Benning, GA 31905 | <b>Date:</b> 26 Sep 13 <span style="float:right">Log# 9-11-13</span><br><b>Range:</b> FP 4 & FP 207 & FP 210 & FP 206<br><b>Title:</b> Mortars<br><b>Problem No:</b> |
| <b>THRU:</b> DPTMS, Chief, Range Operations,<br>Fort Benning, GA. 31905   | <b>FROM:</b> DPTMS, Chief, Survey Section, Range Operations<br>Fort Benning, GA. 31905   |

**SECTION I, TYPE OF TRAINING**

a. Live Fire     
  b. Non-live Fire     
 CP/Controller Coordinates: FP 4: 1916 9049; FP 207: 1921 8989

**SECTION II, DEMOLITIONS/GRENADES/MINES/PYROTECHNICS**

| Coordinates | Type | Model/DODAC | Size of Charges |
|-------------|------|-------------|-----------------|
| N/A         |      |             |                 |
|             |      |             |                 |
|             |      |             |                 |
|             |      |             |                 |

**SECTION III, WEAPONS/AMMUNITION REQUESTED**

| Coordinates of Weapons Position | Type Weapon/Model Number    | Type Ammunition                                  | Left Limit             | Right Limit            |
|---------------------------------|-----------------------------|--|------------------------|------------------------|
| FP 4: 1916 9045 to 1916 9053    | 120mm Mortar<br>81mm Mortar | WP, ILL, IR ILL, FRPC<br>WP, ILL, IR ILL, RP, TP | 5320 mils<br>5320 mils | 5680 mils<br>5680 mils |
| FP 4: 1916 9045 to 1916 9053    | 120mm Mortar, 81mm Mortar   | HE   | 5370 mils              | 5680 mils              |
| FP 4: 1916 9045 to 1916 9053    | 60mm Mortar                 | HE, WP, ILL, IR ILL, FRPC                        | 5370 mils              | 5680 mils              |
|                                 |                             |  |                        |                        |

**SECTION IV, LIVE FIRE EXERCISES Attach the following:**

**SECTION V, NON-LIVE FIRE TRAINING**

|  |   |
|--|---|
| <input checked="" type="checkbox"/> <b>Scenario of training to be conducted:</b><br><input checked="" type="checkbox"/> <b>Sketch of area:</b><br><input checked="" type="checkbox"/> <b>Risk Assessment:</b><br><input checked="" type="checkbox"/> <b>Attach FB Form 350-19-2-E-R if Mortar or artillery is being fired:</b> | <b>Training area(s) to be occupied:</b><br><input type="checkbox"/> <b>Scenario of training to be conducted:</b><br><input type="checkbox"/> <b>Sketch of area(s) to be occupied:</b><br><input type="checkbox"/> <b>Risk Assessment:</b> |
|--|---|

|   |   |
|---|---|
| Name/rank of requesting officer: <i>Benjamin T. Bolding</i><br>Benjamin T. Bolding, GS08, Chief Survey Technician | Name/rank of Major Unit S3/Commander: <i>Brad S. Tesch</i><br>Brad Tesch, GS12, Chief, Range Operations DPTMS |
|---|---|

**SECTION VI, FOR RANGE DIVISION USE**

**DATE:** *1 Nov 13*

|  |  |
|--|--|
| <b>TO:</b> Chief, Range Operations, DPTMS<br>Fort Benning, GA. 31905 | <b>FROM:</b> Range Division,<br>Directorate of Plans, Training,<br>Mobilization and Security<br>Fort Benning, GA 31905 |
|--|--|

|  |   |
|--|---|
| <b>a. Roadblocks to be closed:</b>                     | See Road Block Enclosures   |
| <b>b. Road(s) to be closed/road barrier locations:</b> | Controller Coordinates FP210: 1651 8820, FP 206: 1918 8923  |
| <b>c. Remarks:</b>                                     | USING UNITS CANNOT FIRE ANY HE ROUNDS INTO OR OVER DU AREAS. UNIT MUST ABIDE BY THE TARGET LIST FOR HE TARGETS (SEE 350-19-2-E-R) |
| <b>d. This approval expires:</b> <i>Indef</i>          |   |

Chief, Range Division  
 Directorate of Plans, Training, Mobilization and Security *Brad S. Tesch*

**FIRING/NONFIRING DATA**

For use of this form see USAIC Regulation 350-19; the proponent agency is DPTMS

**Continuation of Section II and III - FB Form 350-19-2-E-R, February 2009**

|   |  |
|---|--|
| <b>TO:</b> Chief,<br>Range Division,<br>Directorate of Plans, Training, Mobilization and Security<br>Fort Benning, GA 31905 | <b>Date:</b> 26 Sep 13 <span style="float:right">Log# 9-11-13</span><br><b>Range:</b> FP 4 & FP 207 & FP 210 & FP 206<br><b>Title:</b> Mortars<br><b>Problem No:</b> |
| <b>THRU:</b> DPTMS, Range Operations<br>Fort Benning, GA. 31905   | <b>FROM:</b> DMTMS, Range Operations (Survey)<br>Fort Benning, GA. 31905   |

**SECTION II, DEMOLITIONS/GRENADES/MINES/PYROTECHNICS (CONTINUED FROM PAGE 1)**

| Coordinates | Type | Model/DODAC | Size of Charges |
|-------------|------|-------------|-----------------|
| N/A         |      |             |                 |
|             |      |             |                 |
|             |      |             |                 |
|             |      |             |                 |

**SECTION III, WEAPONS/AMMUNITION REQUESTED (CONTINUED FROM PAGE 1)**

| Coordinates of Weapons Position | Type Weapon/Model Number     | Type Ammunition                                  | Left Limit             | Right Limit            |
|---------------------------------|------------------------------|--|------------------------|------------------------|
| FP 207: 1921 8985 to 1921 8993  | 120mm Mortar<br>81mm Mortar  | WP, ILL, IR ILL, FRPC<br>WP, ILL, IR ILL, RP, TP | 5410 mils<br>5410 mils | 5710 mils<br>5710 mils |
| FP 207: 1921 8985 to 1921 8993  | 120mm Mortar, 81mm Mortar    | HE   | 5500 mils              | 5710 mils              |
| FP 210: 1648 8818 to 1655 8821  | 120mm Mortar<br>81mm Mortar  | WP, ILL, IR ILL, FRPC<br>WP, ILL, IR ILL, RP, TP | 6025 mils              | 0120 mils              |
| FP 210: 1648 8818 to 1655 8821  | 120mm Mortar, 81mm Mortar    | HE   | 6340 mils              | 0120 mils              |
| FP 206: 1916 8921 to 1920 8926  | 120mm Mortar,<br>81mm Mortar | WP, ILL, IR ILL, FRPC<br>WP, ILL, IR ILL, RP, TP | 5495 mils              | 5850 mils              |
| FP 206: 1916 8921 to 1920 8926  | 120mm Mortar, 81mm Mortar    | HE   | 5700 mils              | 5850 mils              |
|                                 |                              |  |                        |                        |
|                                 |                              |  |                        |                        |
|                                 |                              |  |                        |                        |
|                                 |                              |  |                        |                        |
|                                 |                              |  |                        |                        |
|                                 |                              |  |                        |                        |
|                                 |                              |  |                        |                        |
|                                 |                              |  |                        |                        |
|                                 |                              |  |                        |                        |
|                                 |                              |  |                        |                        |

Name/rank of requesting officer:  
 Benjamin T. Bolding, GS08 *Benjamin T. Bolding*  
 Chief, Range Division *Ben S. Tull*  
 Directorate of Plans, Training, Mobilization and Security

### ARTILLERY/MORTAR SAFETY RECORD

For use of this form, see MCoE Regulation 350-19; the proponent is DPTMS, Range Division.

1. DATE OF REQUEST (DDMMYYYY)

4 May 2012

|  |   |
|--|---|
| <b>2. UNIT</b><br>DPTMS, Range Operations<br>Fort Benning, GA. 31905 | <b>3. TITLE</b><br>Mortars <span style="float: right; font-family: cursive;">Log 9-11-13</span><br><small>Log #S-1-12</small> |
| <b>4. FIRING POINT NUMBER</b><br>FP 4 to K-15                        | <b>6. WEAPONS</b><br>120mm Mortar   |

**6. COORDINATES**  
 1916 9045 to 1916 9053

| 7. WEAPON PROJECTILE | 8. LEFT LIMIT<br><input type="checkbox"/> deg <input checked="" type="checkbox"/> mil | 9. RIGHT LIMIT<br><input type="checkbox"/> deg <input checked="" type="checkbox"/> mil | 10. MINIMUM RANGE METERS | 11. MAXIMUM RANGE METERS | 12. MINIMUM CHARGE | 13. MAXIMUM CHARGE | 14. MAXIMUM ORDNANCE<br><input checked="" type="checkbox"/> m <input type="checkbox"/> ft |
|----------------------|---|--|--------------------------|--------------------------|--------------------|--------------------|---|
| HE M57               | 5370  | 5680   | 2800                     | 5400                     | 4                  | 6                  | 2582  |
| WP M68               | 5320  | 5680   | 2800                     | 5400                     | 4                  | 6                  | 2582  |
| HE M934 & A1         | 5370  | 5680   | 2800                     | 5400                     | 2                  | 3                  | 2871  |
| HE M933              | 5370  | 5680   | 2800                     | 5400                     | 2                  | 3                  | 2871  |
| WP M929              | 5320  | 5680   | 2800                     | 5400                     | 2                  | 3                  | 2928  |
| FRPC M931            | 5320  | 5680   | 2800                     | 5400                     | 2                  | 3                  | 2994  |
| ILL M91              | 5320  | 5680   | 2800                     | 5400                     | 4                  | 8                  | 3312  |
| ILL M930             | 5320  | 5680   | 2800                     | 5400                     | 2                  | 3                  | 2865  |
| IR ILL M983          | 5320  | 5680   | 2800                     | 5400                     | 2                  | 3                  | 2865  |
|                      |   |  |                          |                          |                    |                    |   |

**15. SPECIAL INSTRUCTIONS:** This FB Form 350-19-2-E-R must accompany the corresponding FB Form 350-19-1-E-R.

120mm HE TARGETS: 1, 3-24, 32-34, 50-56.  
 120mm NON HE TARGETS: 1-24, 32-34, 48, 50-56.

|  |   |
|--|---|
| <b>16. NAME AND RANK OF THE REQUESTING OFFICER</b><br>Benjamin T Bolding, GS08<br><div style="font-family: cursive; font-size: 1.2em; margin-top: 10px;">Benjamin T. Bolding</div>                                     | <b>17. SIGNATURE</b><br><div style="border: 1px solid gray; width: 100%; height: 40px; background-color: #ccc; position: relative;"> <span style="position: absolute; right: 10px; top: 10px;">Click to Approve</span> </div> |
| <b>18. APPROVING OFFICIAL</b><br>Chief, Range Division<br>Directorate of Plans, Training, Mobilization, and Security<br><div style="font-family: cursive; font-size: 1.2em; margin-top: 10px;">B. S. [Signature]</div> | <b>19. SIGNATURE</b><br><div style="border: 1px solid gray; width: 100%; height: 40px; background-color: #ccc; position: relative;"> <span style="position: absolute; right: 10px; top: 10px;">Click to Approve</span> </div> |

## ARTILLERY/MORTAR SAFETY RECORD

For use of this form, see MCoE Regulation 350-19, the proponent is DPTMS, Range Division.

1. DATE OF REQUEST

(DDMM/YYYY)

4 May 2012

Log# 9-11-13

|   |                           |
|---|---------------------------|
| 2. UNIT<br>DPTMS, Range Operations<br>Fort Benning, GA. 31905 | 3. TITLE<br>Mortars       |
| 4. FIRING POINT NUMBER<br>FP 4 to K-15                        | 5. WEAPONS<br>81mm Mortar |

6. COORDINATES  
1916 9045 to 1916 9053

| 7. WEAPON PROJECTILE | 8. LEFT LIMIT<br><input type="checkbox"/> deg <input checked="" type="checkbox"/> mil | 9. RIGHT LIMIT<br><input type="checkbox"/> deg <input checked="" type="checkbox"/> mil | 10. MINIMUM RANGE METERS | 11. MAXIMUM RANGE METERS | 12. MINIMUM CHARGE | 13. MAXIMUM CHARGE | 14. MAXIMUM ORDNANCE<br><input checked="" type="checkbox"/> m <input type="checkbox"/> ft |
|----------------------|---|--|--------------------------|--------------------------|--------------------|--------------------|---|
| HE M374 & A2         | 5370  | 5680   | 2800                     | 5400                     | 6                  | 9                  | 2352  |
| HE M374A3            | 5370  | 5680   | 2800                     | 5400                     | 3                  | 4                  | 2478  |
| HE M821              | 5370  | 5680   | 2800                     | 5400                     | 2                  | 4                  | 2952  |
| HE M889              | 5370  | 5680   | 2800                     | 5400                     | 2                  | 4                  | 2905  |
| TP M879              | 5320  | 5680   | 2800                     | 5400                     | 2                  | 4                  | 3168  |
| HE M821A1 & A2       | 5370  | 5680   | 2800                     | 5400                     | 2                  | 4                  | 3124  |
| HE M889A1/E1         | 5370  | 5680   | 2800                     | 5400                     | 2                  | 4                  | 3124  |
| HE M889A1            | 5370  | 5680   | 2800                     | 5400                     | 2                  | 4                  | 3124  |
| RP M819              | 5320  | 5680   | 2800                     | 5400                     | 3                  | 4                  | 2594  |
| ILL M853A1           | 5320  | 5680   | 2800                     | 5400                     | 3                  | 4                  | 2900  |

16. SPECIAL INSTRUCTIONS: This FB Form 350-19-2-E-R must accompany the corresponding FB Form 350-19-1-E-R.

81mm HE TARGETS: 1, 3-24, 32-34, 50-56.  
81mm NON HE TARGETS: 1-24, 32-34, 48, 50-56.

|  |                   |
|--|-------------------|
| 16. NAME AND RANK OF THE REQUESTING OFFICER<br>Benjamin T. Bolding, GS08<br><i>Benjamin T. Bolding</i>                                       | 17. SIGNATURE<br> |
| 18. APPROVING OFFICIAL<br>Chief, Range Division<br>Directorate of Plans, Training, Mobilization, and Security<br><i>Brant S. [Signature]</i> | 19. SIGNATURE<br> |

## ARTILLERY/MORTAR SAFETY RECORD

1. DATE OF REQUEST

(DD/MM/YYYY)

For use of this form, see MCoE Regulation 350-19, the proponent is DPTMS, Range Division.

4 May 2012

Log # 9-11-13

|  |   |
|--|---|
| <b>2. UNIT</b><br>DPTMS, Range Operations<br>Fort Benning, GA. 31905 | <b>3. TITLE</b><br>Mortars                    |
| <b>4. FIRING POINT NUMBER</b><br>FP 4 to K-15                        | <b>5. WEAPONS</b><br>81mm Mortar, 60mm Mortar |

**6. COORDINATES**  
 1916 9045 to 1916 9053

| 7. WEAPON PROJECTILE | 8. LEFT LIMIT<br><input type="checkbox"/> deg <input checked="" type="checkbox"/> mil | 9. RIGHT LIMIT<br><input type="checkbox"/> deg <input checked="" type="checkbox"/> mil | 10. MINIMUM RANGE METERS | 11. MAXIMUM RANGE METERS | 12. MINIMUM CHARGE | 13. MAXIMUM CHARGE | 14. MAXIMUM ORDNANCE<br><input checked="" type="checkbox"/> m <input type="checkbox"/> ft |
|----------------------|---|--|--------------------------|--------------------------|--------------------|--------------------|---|
| 81mm                 |   |  |                          |                          |                    |                    |   |
| HE M375 & A2         | 5320  | 5680   | 2800                     | 5400                     | 6                  | 9                  | 2352  |
| IR ILL M816          | 5320  | 5680   | 2800                     | 5400                     | 3                  | 4                  | 2967  |
| 60mm                 |   |  |                          |                          |                    |                    |   |
| HE M720 & A1         | 5370  | 5680   | 2800                     | 3500                     | 4                  | 4                  | 1663  |
| HE M768              | 5370  | 5680   | 2800                     | 3500                     | 4                  | 4                  | 1663  |
| IR ILL M767          | 5370  | 5680   | 2800                     | 3500                     | 4                  | 4                  | 1548  |
| ILL M721             | 5370  | 5680   | 2800                     | 3500                     | 4                  | 4                  | 1536  |
| WP M722              | 5370  | 5680   | 2800                     | 3500                     | 4                  | 4                  | 1663  |
| FRPC M769            | 5370  | 5680   | 2800                     | 3500                     | 4                  | 4                  | 1663  |

**15. SPECIAL INSTRUCTIONS:** This FB Form 350-19-2-E-R must accompany the corresponding FB Form 350-19-1-E-R.

81mm HE TARGETS: 1, 3-24, 32-34, 50-56. 81mm Non HE TARGETS: 1-24, 32-34, 48, 50-56.  
 60mm HE & Non HE TARGETS: 1, 3-15, 17-24, 32-34, 55, 56.

|  |  |
|--|--|
| <b>16. NAME AND RANK OF THE REQUESTING OFFICER</b><br>Benjamin T. Bolding, GS08<br>                                      | <b>17. SIGNATURE</b><br><div style="border: 1px solid gray; width: 100%; height: 40px; display: flex; justify-content: space-between; align-items: center;"> <div style="width: 40%;"></div> <div style="width: 20%; text-align: center;">  Click to Approve                 </div> <div style="width: 40%;"></div> </div> |
| <b>18. APPROVING OFFICIAL</b><br>Chief, Range Division<br>Directorate of Plans, Training, Mobilization, and Security<br> | <b>19. SIGNATURE</b><br><div style="border: 1px solid gray; width: 100%; height: 40px; display: flex; justify-content: space-between; align-items: center;"> <div style="width: 40%;"></div> <div style="width: 20%; text-align: center;">  Click to Approve                 </div> <div style="width: 40%;"></div> </div> |

## ARTILLERY/MORTAR SAFETY RECORD

*For use of this form, see USAIC Regulation 350-19; the proponent is DPTMS, Range Division.*

|   |  |                                    |
|---|--|------------------------------------|
| <b>DATE:</b> 7 Oct 13                   | <b>UNIT:</b> DPTMS, Range Operations<br>Fort Benning, GA 31904 | <b>TITLE:</b> Mortars LOG# 9-11-13 |
| <b>FIRING POINT #:</b> 206 to K15       | <b>WEAPONS:</b> 81mm   |                                    |
| <b>COORDINATES:</b> 1916 8921-1920 8926 |  |                                    |

| Weapon Projectile | Left Limit Mils | Right Limit Mils | Minimum Range Meters | Maximum Range Meters | Minimum Charge | Maximum Charge | Maximum Ordnance Meter |
|-------------------|-----------------|------------------|----------------------|----------------------|----------------|----------------|------------------------|
| HE M374 &A2       | 5700            | 5850             | 3750                 | 4595                 | 8              | 9              | 2062                   |
| WP M375 &A2       | 5495            | 5850             | 3750                 | 4595                 | 8              | 9              | 2062                   |
| HE M374A3         | 5700            | 5850             | 3750                 | 4790                 | 4              | 4              | 2220                   |
| HE M821           | 5700            | 5850             | 3750                 | 5610                 | 3              | 4              | 2792                   |
| HE M889           | 5700            | 5850             | 3750                 | 5535                 | 3              | 4              | 2741                   |
| TP M879           | 5495            | 5850             | 3750                 | 5760                 | 3              | 4              | 2974                   |
| HE M821A1 & A2    | 5700            | 5850             | 3750                 | 5790                 | 3              | 4              | 2974                   |
| HE M889A1E1       | 5700            | 5850             | 3750                 | 5790                 | 3              | 4              | 2974                   |
| HE M889A1         | 5700            | 5850             | 3750                 | 5845                 | 3              | 4              | 2991                   |
| RP M819           | 5495            | 5850             | 3750                 | 4975                 | 4              | 4              | 2372                   |
| ILL M853A1        | 5495            | 5850             | 3750                 | 5365                 | 4              | 4              | 2705                   |
| IR ILL M816       | 5495            | 5850             | 3750                 | 5345                 | 4              | 4              | 2674                   |

**SPECIAL INSTRUCTIONS:** This FB Form 350-19-2-E-R must accompany the corresponding FB Form 350-19-1-E-R.

NON-HE TARGETS= 1-38, 48, 50-56  
HE TARGETS= 1, 3-13, 17, 34, 50-56

|  |  |
|--|--|
| Name/rank of requesting officer<br>Benjamin T. Bolding, GS08<br>Chief, Range Division<br>Directorate of Plans, Training, Mobilization and Security |  |
|--|--|

5857

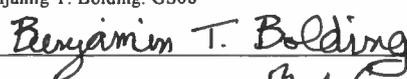
## ARTILLERY/MORTAR SAFETY RECORD

*For use of this form, see USAIC Regulation 350-19; the proponent is DPTMS, Range Division.*

|   |  |                       |                     |
|---|--|-----------------------|---------------------|
| <b>DATE:</b> 7 Oct 13                   | <b>UNIT:</b> DPTMS, Range Operations<br>Fort Benning, GA 31904 | <b>TITLE:</b> Mortars | <b>LOG#</b> 9-11-13 |
| <b>FIRING POINT #:</b> 206 to K15       | <b>WEAPONS:</b> 120mm  |                       |                     |
| <b>COORDINATES:</b> 1916 8921-1920 8926 |  |                       |                     |

| Weapon Projectile | Left Limit Mils | Right Limit Mils | Minimum Range Meters | Maximum Range Meters | Minimum Charge | Maximum Charge | Maximum Ordnance Meter |
|-------------------|-----------------|------------------|----------------------|----------------------|----------------|----------------|------------------------|
| HE M57            | 5700            | 5850             | 3750                 | 6200                 | 6              | 10             | 3835                   |
| WP M68            | 5495            | 5850             | 3750                 | 6200                 | 6              | 10             | 3835                   |
| HE M934 & A1      | 5700            | 5850             | 3750                 | 6200                 | 3              | 4              | 3651                   |
| HE M933           | 5700            | 5850             | 3750                 | 6200                 | 3              | 4              | 3651                   |
| WP M929           | 5495            | 5850             | 3750                 | 6200                 | 3              | 4              | 3718                   |
| FRPC M931         | 5495            | 5850             | 3750                 | 6200                 | 3              | 4              | 3762                   |
| ILL M91           | 5495            | 5850             | 3750                 | 6200                 | 8              | 10             | 3793                   |
| ILL M930          | 5495            | 5850             | 3750                 | 6200                 | 3              | 4              | 3649                   |
| IR ILL M983       | 5495            | 5850             | 3750                 | 6200                 | 3              | 4              | 3649                   |
|                   |                 |                  |                      |                      |                |                |                        |
|                   |                 |                  |                      |                      |                |                |                        |
|                   |                 |                  |                      |                      |                |                |                        |

**SPECIAL INSTRUCTIONS:** This FB Form 350-19-2-E-R must accompany the corresponding FB Form 350-19-1-E-R.  
 NON-HE TARGETS= 1-38, 48, 50-56  
 HE TARGETS= 1, 3-13, 17, 34, 50-56

**Name/rank of requesting officer**  
 Benjamig T. Bolding, GS08  
  
 Chief, Range Division  
 Directorate of Plans, Training, Mobilization and Security  


## ARTILLERY/MORTAR SAFETY RECORD

1. DATE OF REQUEST

(DD/MM/YYYY)

For use of this form, see MCoE Regulation 350-19; the proponent is DPTMS, Range Division.

26 Sep 2013

|  |   |
|--|---|
| <b>2. UNIT</b><br>DPTMS, Range Operations<br>Fort Benning, GA. 31905 | <b>3. TITLE</b><br>Mortars <span style="float: right;">Log # 9-11-13</span> |
| <b>4. FIRING POINT NUMBER</b><br>FP 210 to K-15                      | <b>5. WEAPONS</b><br>120mm Mortar   |

**6. COORDINATES**  
 1648 8818 to 1655 8821

| 7. WEAPON PROJECTILE | 8. LEFT LIMIT<br><input type="checkbox"/> deg <input checked="" type="checkbox"/> mil | 9. RIGHT LIMIT<br><input type="checkbox"/> deg <input checked="" type="checkbox"/> mil | 10. MINIMUM RANGE METERS | 11. MAXIMUM RANGE METERS | 12. MINIMUM CHARGE | 13. MAXIMUM CHARGE | 14. MAXIMUM ORDNANCE<br><input checked="" type="checkbox"/> m <input type="checkbox"/> ft |
|----------------------|---|--|--------------------------|--------------------------|--------------------|--------------------|---|
| HE M57               | 6340  | 0120   | 3800                     | 5500                     | 6                  | 8                  | 3189  |
| HE M934 & A1         | "   | "  | "                        | "                        | 3                  | 4                  | 3644  |
| HE M933              | "   | "  | "                        | "                        | 3                  | 4                  | 3644  |
| FRTR M931            | 6025  | 0120   | 3150                     | 6200                     | 2                  | 4                  | 3840  |
| WP M68               | "   | "  | "                        | "                        | 4                  | 8                  | 3283  |
| WP M929              | "   | "  | "                        | "                        | 2                  | 4                  | 3789  |
| ILL M91              | "   | "  | "                        | "                        | 4                  | 8                  | 3312  |
| ILL M930             | "   | "  | "                        | "                        | 2                  | 4                  | 3729  |
| IR ILL M983          | 6025  | 0120   | 3150                     | 6200                     | 2                  | 4                  | 3729  |
|                      |   |  |                          |                          |                    |                    |   |

**16. SPECIAL INSTRUCTIONS:** This FB Form 350-19-2-E-R must accompany the corresponding FB Form 350-19-1-E-R.

HE Targets: 1, 3-15, 17-21, 33, 34, 55, 56  
 Non HE Targets: 1-56

|   |  |
|---|--|
| <b>16. NAME AND RANK OF THE REQUESTING OFFICER</b><br>Benjamin T. Bolding, GS08<br><i>Benjamin T. Bolding</i>                             | <b>17. SIGNATURE</b><br><div style="border: 1px solid gray; width: 100%; height: 40px; background-color: #ccc;"></div> <span style="float: right;">Click to Approve</span> |
| <b>18. APPROVING OFFICIAL</b><br>Chief, Range Division<br>Directorate of Plans, Training, Mobilization, and Security<br><i>Bay S. ...</i> | <b>19. SIGNATURE</b><br><div style="border: 1px solid gray; width: 100%; height: 40px; background-color: #ccc;"></div> <span style="float: right;">Click to Approve</span> |

## ARTILLERY/MORTAR SAFETY RECORD

For use of this form, see MCoE Regulation 350-19; the proponent is DPTMS, Range Division.

1. DATE OF REQUEST

(DD/MM/YYYY)

26 Sep 2013

2. UNIT

DPTMS, Range Operations  
Fort Benning, GA. 31905

3. TITLE

Mortars Log # 9-11-13

4. FIRING POINT NUMBER

FP210 to K15

5. WEAPONS

81mm Mortars

6. COORDINATES

1648 8818 to 1655 8821

| 7. WEAPON PROJECTILE | 8. LEFT LIMIT<br><input type="checkbox"/> deg <input checked="" type="checkbox"/> mil | 9. RIGHT LIMIT<br><input type="checkbox"/> deg <input checked="" type="checkbox"/> mil | 10. MINIMUM RANGE METERS | 11. MAXIMUM RANGE METERS | 12. MINIMUM CHARGE | 13. MAXIMUM CHARGE | 14. MAXIMUM ORDNANCE<br><input checked="" type="checkbox"/> m <input type="checkbox"/> ft |
|----------------------|---|--|--------------------------|--------------------------|--------------------|--------------------|---|
| HE M374 & A2         | 6340  | 0120   | 3800                     | 5500                     | 8                  | 9                  | 2041  |
| WP M375 & A2         | 6025  | 0120   | 3150                     | 5850                     | 7                  | 9                  | 2265  |
| HE M374A3            | 6340  | 0120   | 3800                     | 5500                     | 4                  | 4                  | 2201  |
| HE M821              | 6340  | 0120   | 3800                     | 5500                     | 3                  | 4                  | 2781  |
| HE M889              | 6340  | 0120   | 3800                     | 5500                     | 3                  | 4                  | 2729  |
| TP M879              | 6025  | 0120   | 3150                     | 5850                     | 3                  | 4                  | 2961  |
| HE M821A1 & A2       | 6340  | 0120   | 3800                     | 5500                     | 3                  | 4                  | 2963  |
| HE M889 A1E1         | 6340  | 0120   | 3800                     | 5500                     | 3                  | 4                  | 2963  |
| HE M889A1            | 6340  | 0120   | 3800                     | 5500                     | 3                  | 4                  | 2981  |
| RP M819              | 6025  | 0120   | 3150                     | 5850                     | 3                  | 4                  | 2532  |

15. SPECIAL INSTRUCTIONS: This FB Form 350-19-2-E-R must accompany the corresponding FB Form 350-19-1-E-R.

See Page 1 for authorized Targets

16. NAME AND RANK OF THE REQUESTING OFFICER

Benjamin T. Bolding. GS08

*Benjamin T. Bolding*

17. SIGNATURE



*Click to Approve*



18. APPROVING OFFICIAL

Chief, Range Division  
Directorate of Plans, Training, Mobilization, and Security

*B. S. [Signature]*

19. SIGNATURE



*Click to Approve*



## ARTILLERY/MORTAR SAFETY RECORD

For use of this form, see MCoE Regulation 350-19; the proponent is DPTMS, Range Division.

1. DATE OF REQUEST

(DDMM/YYYY)

26 Sep 2013

|  |   |
|--|---|
| <b>2. UNIT</b><br>DPTMS, Range Operations<br>Fort Benning, GA. 31905 | <b>3. TITLE</b><br>Mortars <span style="float: right;">Log # 9-11-13</span> |
| <b>4. FIRING POINT NUMBER</b><br>FP 210 to K15                       | <b>5. WEAPONS</b><br>81mm Continued   |

**6. COORDINATES**  
1648 8818 TO 1655 8821

| 7. WEAPON PROJECTILE | 8. LEFT LIMIT<br><input type="checkbox"/> deg <input checked="" type="checkbox"/> mil | 9. RIGHT LIMIT<br><input type="checkbox"/> deg <input checked="" type="checkbox"/> mil | 10. MINIMUM RANGE METERS | 11. MAXIMUM RANGE METERS | 12. MINIMUM CHARGE | 13. MAXIMUM CHARGE | 14. MAXIMUM ORDNANCE<br><input checked="" type="checkbox"/> m <input type="checkbox"/> ft |
|----------------------|---|--|--------------------------|--------------------------|--------------------|--------------------|---|
| ILL M853A1           | 6025  | 0120   | 3150                     | 5850                     | 3                  | 4                  | 2849  |
| IR ILL M819          | 6025  | 0120   | 3150                     | 5850                     | 3                  | 4                  | 2873  |
|                      |   |  |                          |                          |                    |                    |   |
|                      |   |  |                          |                          |                    |                    |   |
|                      |   |  |                          |                          |                    |                    |   |
|                      |   |  |                          |                          |                    |                    |   |
|                      |   |  |                          |                          |                    |                    |   |
|                      |   |  |                          |                          |                    |                    |   |
|                      |   |  |                          |                          |                    |                    |   |
|                      |   |  |                          |                          |                    |                    |   |
|                      |   |  |                          |                          |                    |                    |   |
|                      |   |  |                          |                          |                    |                    |   |
|                      |   |  |                          |                          |                    |                    |   |
|                      |   |  |                          |                          |                    |                    |   |
|                      |   |  |                          |                          |                    |                    |   |
|                      |   |  |                          |                          |                    |                    |   |
|                      |   |  |                          |                          |                    |                    |   |
|                      |   |  |                          |                          |                    |                    |   |
|                      |   |  |                          |                          |                    |                    |   |
|                      |   |  |                          |                          |                    |                    |   |
|                      |   |  |                          |                          |                    |                    |   |

**15. SPECIAL INSTRUCTIONS:** This FB Form 350-19-2-E-R must accompany the corresponding FB Form 350-19-1-E-R.  
See Page 1 for authorized Targets

|  |  |
|--|--|
| <b>16. NAME AND RANK OF THE REQUESTING OFFICER</b><br>Benjamin T. Bolding, GS08<br>                                      | <b>17. SIGNATURE</b><br><div style="border: 1px solid gray; height: 30px; width: 100%; background-color: #ccc;"></div> <div style="text-align: center; margin-top: 5px;">  Click to Approve                 </div> |
| <b>18. APPROVING OFFICIAL</b><br>Chief, Range Division<br>Directorate of Plans, Training, Mobilization, and Security<br> | <b>19. SIGNATURE</b><br><div style="border: 1px solid gray; height: 30px; width: 100%; background-color: #ccc;"></div> <div style="text-align: center; margin-top: 5px;">  Click to Approve                 </div> |

## ARTILLERY/MORTAR SAFETY RECORD

For use of this form, see MCoE Regulation 350-19; the proponent is DPTMS, Range Division.

1. DATE OF REQUEST

(DD/MM/YYYY)

4 May 2012

|   |  |
|---|--|
| <p>2. UNIT</p> <p>DPTMS, Range Operations<br/>Fort Benning, GA. 31905</p> | <p>3. TITLE</p> <p>Mortars <span style="float: right; color: red;">Log# 9-11-13</span></p> |
| <p>4. FIRING POINT NUMBER</p> <p>FP 207 to K-15</p>                       | <p>6. WEAPONS</p> <p>81mm Mortar</p>   |

6. COORDINATES

1921 8985 to 1921 8993

| 7. WEAPON PROJECTILE         | 8. LEFT LIMIT<br><input type="checkbox"/> deg <input checked="" type="checkbox"/> mil | 9. RIGHT LIMIT<br><input type="checkbox"/> deg <input checked="" type="checkbox"/> mil | 10. MINIMUM RANGE METERS | 11. MAXIMUM RANGE METERS | 12. MINIMUM CHARGE | 13. MAXIMUM CHARGE | 14. MAXIMUM ORDNANCE<br><input checked="" type="checkbox"/> m <input type="checkbox"/> ft |
|------------------------------|---|--|--------------------------|--------------------------|--------------------|--------------------|---|
| HE M374 & A2<br>WP M375 & A2 | 5500<br>5410  | 5710   | 3300                     | 5800                     | 7                  | 9                  | 2222  |
| HE M374A3                    | 5500  | 5710   | 3300                     | 5800                     | 4                  | 4                  | 2364  |
| HE M821                      | 5500  | 5710   | 3300                     | 5800                     | 3                  | 4                  | 2880  |
| HE M889                      | 5500  | 5710   | 3300                     | 5800                     | 3                  | 4                  | 2831  |
| TP M879                      | 5410  | 5710   | 3300                     | 5800                     | 3                  | 4                  | 3077  |
| HE M821A1 & A2               | 5500  | 5710   | 3300                     | 5800                     | 3                  | 4                  | 3059  |
| HE M889A1                    | 5500  | 5710   | 3300                     | 5800                     | 3                  | 4                  | 3068  |
| RP M819                      | 5410  | 5710   | 3300                     | 5800                     | 3                  | 4                  | 2499  |
| IR ILL M816                  | 5410  | 5710   | 3300                     | 5800                     | 3                  | 4                  | 2828  |
| ILL M853A1                   | 5410  | 5710   | 3300                     | 5800                     | 3                  | 4                  | 2820  |

15. SPECIAL INSTRUCTIONS: This FB Form 350-19-2-E-R must accompany the corresponding FB Form 350-19-1-E-R.

81mm HE Targets: 1, 3-15, 17-24, 32-34, 51-54.  
81mm Non HE Targets: 1-25, 31-34, 48, 51-54.

|  |  |
|--|--|
| <p>16. NAME AND RANK OF THE REQUESTING OFFICER</p> <p>Benjamin T. Bolding, GS08</p> <p style="font-size: 1.2em; font-family: cursive;">Benjamin T. Bolding</p>                                 | <p>17. SIGNATURE</p> <div style="border: 1px solid gray; width: 100%; height: 30px; background-color: #ccc;"></div> <p style="text-align: right; font-size: 0.8em;">Click to Approve</p> |
| <p>18. APPROVING OFFICIAL</p> <p>Chief, Range Division <span style="font-size: 1.2em; font-family: cursive;">Bolding</span><br/>Directorate of Plans, Training, Mobilization, and Security</p> | <p>19. SIGNATURE</p> <div style="border: 1px solid gray; width: 100%; height: 30px; background-color: #ccc;"></div> <p style="text-align: right; font-size: 0.8em;">Click to Approve</p> |

## ARTILLERY/MORTAR SAFETY RECORD

For use of this form, see MCoE Regulation 350-19, the proponent is DPTMS, Range Division.

1. DATE OF REQUEST

(DDMMYYYY)

4 May 2012

|  |                                   |
|--|-----------------------------------|
| <b>2. UNIT</b><br>DPTMS, Range Operations<br>Fort Benning, GA. 31905 | <b>3. TITLE</b><br>Mortars        |
| <b>4. FIRING POINT NUMBER</b><br>FP 207 to K-15                      | <b>5. WEAPONS</b><br>120mm Mortar |

Log # 9-11-13

**6. COORDINATES**  
 1921 8985 to 1921 8993

| 7. WEAPON PROJECTILE | 8. LEFT LIMIT<br><input type="checkbox"/> deg <input checked="" type="checkbox"/> mil | 9. RIGHT LIMIT<br><input type="checkbox"/> deg <input checked="" type="checkbox"/> mil | 10. MINIMUM RANGE METERS | 11. MAXIMUM RANGE METERS | 12. MINIMUM CHARGE | 13. MAXIMUM CHARGE | 14. MAXIMUM ORDNANCE<br><input checked="" type="checkbox"/> m <input type="checkbox"/> ft |
|----------------------|---|--|--------------------------|--------------------------|--------------------|--------------------|---|
| HE M57               | 5500  | 5710   | 3300                     | 5800                     | 4                  | 8                  | 3283  |
| WP M68               | 5410  | 5710   | 3300                     | 5800                     | 4                  | 8                  | 3283  |
| HE M934 & A1         | 5500  | 5710   | 3300                     | 5800                     | 2                  | 4                  | 3709  |
| HE M933              | 5500  | 5710   | 3300                     | 5800                     | 2                  | 4                  | 3709  |
| WP M929              | 5410  | 5710   | 3300                     | 5800                     | 2                  | 4                  | 3774  |
| FRPC M931            | 5410  | 5710   | 3300                     | 5800                     | 2                  | 4                  | 3823  |
| ILL M91              | 5410  | 5710   | 3300                     | 5800                     | 6                  | 8                  | 3312  |
| ILL M930             | 5410  | 5710   | 3300                     | 5800                     | 3                  | 4                  | 3711  |
| IR ILL M983          | 5410  | 5710   | 3300                     | 5800                     | 3                  | 4                  | 3711  |
|                      |   |  |                          |                          |                    |                    |   |

**15. SPECIAL INSTRUCTIONS:** This FB Form 350-19-2-E-R must accompany the corresponding FB Form 350-19-1-E-R.  
 120mm HE Targets: 1, 3-15, 17-24, 32-34, 51-54  
 120mm Non HE Targets: 1-25, 31-34, 48, 51-54.

|  |   |
|--|---|
| <b>16. NAME AND RANK OF THE REQUESTING OFFICER</b><br>Benjamin T. Bolding, GS08<br>                                      | <b>17. SIGNATURE</b><br><div style="border: 1px solid gray; width: 100%; height: 40px; background-color: #ccc; position: relative;"> <span style="position: absolute; right: 10px; top: 10px;">Click to Approve</span> </div> |
| <b>18. APPROVING OFFICIAL</b><br>Chief, Range Division<br>Directorate of Plans, Training, Mobilization, and Security<br> | <b>19. SIGNATURE</b><br><div style="border: 1px solid gray; width: 100%; height: 40px; background-color: #ccc; position: relative;"> <span style="position: absolute; right: 10px; top: 10px;">Click to Approve</span> </div> |



DEPARTMENT OF THE ARMY  
HEADQUARTERS UNITED STATES ARMY MANEUVER CENTER OF EXCELLENCE  
1 KARKER STREET  
FORT BENNING, GEORGIA 31905-5000

REPLY TO  
ATTENTION OF

IMSE-BEN-PL

31 October, 2013

MEMORANDUM FOR Director, Plans, Training, Mobilization and Security, U.S. ARMY GARRISON, Fort Benning, Georgia 31905

SUBJECT: Mortar firing from FP 207, FP 210, FP 206, and FP 4.

1. **Purpose:**

The purpose of this memorandum is to outline the training concept and scenario for Mortar training on FP 207, FP 210, FP 206 and FP 4 using live ammunition. The training will familiarize Soldier's on firing techniques relative to combat conditions in the contemporary operating environment, firing realistic training scenarios from existing firing points and targets arrays with live munitions. During the execution of training, Soldiers will train on the following task.

- 60mm Mortars, HE, ILL, IR ILL, WP, FRPC
- 81mm Mortars, HE, WP, ILL, IR ILL, RP, TP
- 120mm Mortars, HE, WP, ILL, IR ILL, FRPC,

2. **Reference:**

- a. AR 385-63 and DA PAM 385-63, Range Safety.
- b. MCoE Reg 350-19, Range and Terrain, March 2013
- c. TM 9-1300-206, Ammunition and Explosives Standards.
- d. FM 3-22.90 Mortars.
- e. FM 3-22.91 Mortar Fire Direction Procedures.
- f. FM 3-20.21

3. **Commanders Intent:** The intent is for Soldiers to effectively and decisively coordinate and execute the indirect capabilities of each Mortar section.

4. **Concept of the Operation:** Unit Mortar Sections will conduct live fire operations from Firing Point 207, Firing Point 210, Firing Point 206, and Firing Point 4.

- a. Mortar Sections will occupy FP 4 (1916 9045 to 1916 9053) See Sketch.
- b. Mortar Sections will occupy FP 207 (1921 8985 to 1921 8993) See Sketch.
- c. Mortar Sections will occupy FP 210 (1648 8818 to 1655 8821) See Sketch
- d. Mortar Sections will occupy FP 206 (1916 8921 to 1920 8926) See Sketch
- c. Mortar Sections will conduct Dry Fire Rehearsals.
- d. All equipment will be inspected for serviceability and safety before training is conducted.
- e. Mortar Sections will not fire over the heads of other Soldiers or personnel in the area.
- f. Mortar Sections will fire only at approved targets in the K15 impact area (See Sketch). The Mortar Section will also be aware of the areas that have been contaminated by Depleted Uranium, and will insure **Mortars do not shoot over or into the DU area with High Explosive (HE) rounds (See Sketch).**
- g. Units will occupy the selected training area and establish communications with Range Control.

h. Units will ensure that all mortar rounds are observed either by FIST, CATD, Forward Observers (FO), or UAV/SUAS. The Observers have the option of where the FO's will observe from. Unit will need to make sure that they schedule the Land through Range Control where they will observe from.

i. **Hip Shoot:** Units have the option of using multiple FP's to conduct the Hip Shoot as long as they are all scheduled through Range Control. Units cannot fire in between the firing points. They must occupy either FP 4, FP 210, FP206, or FP 207(See Sketches of approved positions).

5. **AMMUNITION:**

a. The Ammunition NCO will sign for and control all ammunition at the designated position for each firing point. This location will be a minimum of 15 meters to the rear of each gun line on their respective FP's. Ammunition will be separated by type and controlled by the NCOIC.

b. Each Mortar Section will receive the required amount of ammunition to complete their iteration of the Live Fire Exercise (LFX).

c. All unused ammunition will be turned back into the Ammunition Supply Point (ASP) upon completion of the LFX.

d. The ammunition points for each FP will maintain 2 fire extinguishers each.

e. Unused charges will be disposed of IAW the range SOP, and MCoE Reg. 350-19. Unit will use this to train each Mortar Section on the proper procedures for disposing unused charges.

6. **Range Firing Limitations:**

a. Units will ensure all rounds fired during the LFX impact within the appropriate Range Firing Limitations (Min/Max Range, left/right Azimuth Limits, and Min/Max Charge). All fires will be IAW the FB Form 350-19-1-E-R and FB Form 350-19-2-E-R for respective FP at all times.

b. In case of a short round, unobserved round, or round out of sector or safe, there will be an immediate cease fire and Range Control will be notified. All weapon(s) involved (data locked on the sights) and all components / ammunition will remain in place and personnel moved away from the guns until Range Control directs otherwise.

7. **Safety Measures**

1. All Soldiers will have the appropriate safety equipment on (eye/ear protection, body armor, and helmets) prior to firing on the range.

2. All Soldiers will receive a safety briefing/orientation on the scenario

3. A Combat Lifesaver with a designated covered vehicle will be on site at all times.

4. The OIC will monitor Range Control net at all times during execution of training and will request opening/closing codes.

5. Soldiers will be briefed on cease-fire procedures during the range in-brief. Additionally cadre will relay any/all cease fire signals applicable if they witness an unsafe act. Anyone on the Firing Point that see's an unsafe act can call a cease fire.

6. RSO will have his RSO card present and only perform duties as the Range Safety Officer.

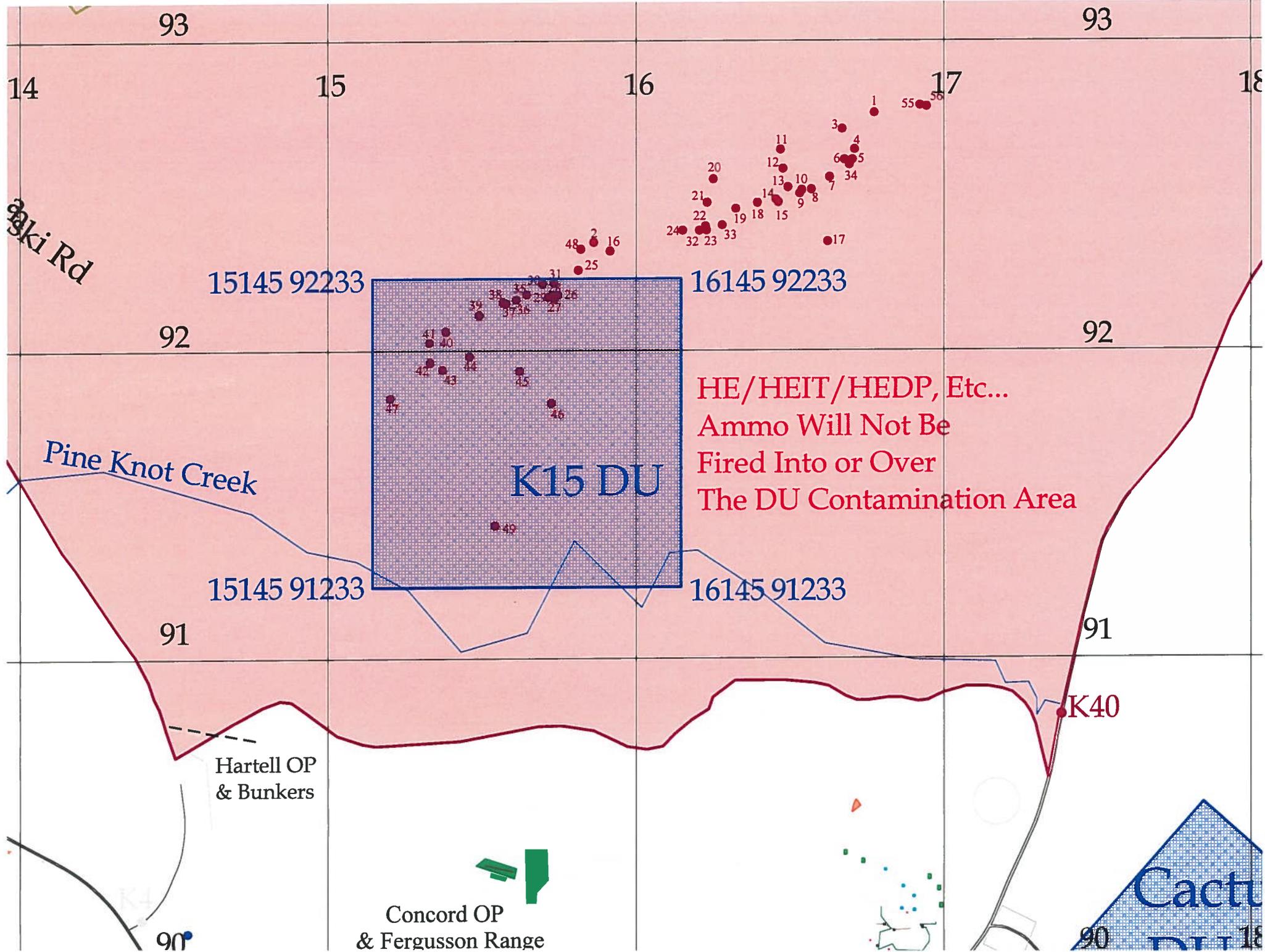
7. RSO will suspend all firing if a malfunction causes damage to a weapon or injury to personnel and will notify Range Control and QASAS at 544-7490/7489.

8. All Soldiers will be briefed on the procedure when finding unexploded munitions (duds) on the Firing Point.

9. Weapons will be cleared by visual inspection on and off the firing line/point by the RSO after each interation.
10. **No one moves downrange at any time.**
8. **Incident:** When an incident occurs on the range, regardless of injury or not, the OIC/RSO will immediately call a cease fire and report it to Range Control and the using unit's higher headquarters. OIC/RSO will take action as directed by Range Control. The cease fire will remain in effect until the problem is resolved and cleared through Range Control. If the incident results in an injury, the OIC/RSO will use the procedures outlined in the medical paragraph. The following information will be furnished by the OIC/RSO to Range Control:
- a. Designation of unit.
  - b. Range and location
  - c. Type of weapon involved.
  - d. Type of ammunition involved.
  - e. Brief summary of what happened.
  - f. Personnel injuries and extent.
  - g. Full Name, SS#, Rank and unit of injured personnel.
  - h. Extent of property damage.
  - i. Intentions regarding an AR 15-6 investigation.
9. **Communications:** Unit will maintain continuous contact with Range Control at all times. If communications are lost the unit will go into a self induced check fire until communications are restored.
10. **Medical:** In the event of an accident, injury or illness, the OIC/RSO will immediately call a cease fire then call 911 using the standard 9 Line MEDEVAC to determine what type of evacuation is the most appropriate for the injury (loss of life, limb or eyesight). MEDEVAC will be IAW MCoE Regulation 350-19 and USAIC 40-2. Landing zone for MEDEVAC aircraft will be established prior to use and will be marked appropriately. Range Control will be notified in this event. The cease fire will remain in effect until cleared through Range Control.
11. **Weapons/Ammunition Malfunction Reports:** When a malfunction is experienced, the OIC/RSO will suspend all firing and immediately notify Range Control. The weapons and all components and ammunition involved will remain in place. The cease fire will remain in effect until cleared through Range Control. An investigation is required and will be conducted by the ammunition and weapons inspection personnel and DOL.
12. **Units Must have an Approved RMWS signed off by Post Safety prior to use of this range and on file at Range Operations (Survey Section).**
13. **There will be no deviations to this packet without prior approval from Range Control**
14. POC for this exercise is the undersigned at 544-6385.



BRAD S. TESCH  
GS12, Chief of Operations  
Range Division



## FP's 4, 206 & 207 Range Div Mortars (Log #9-11-13) Roadblock List Oct 1 2013

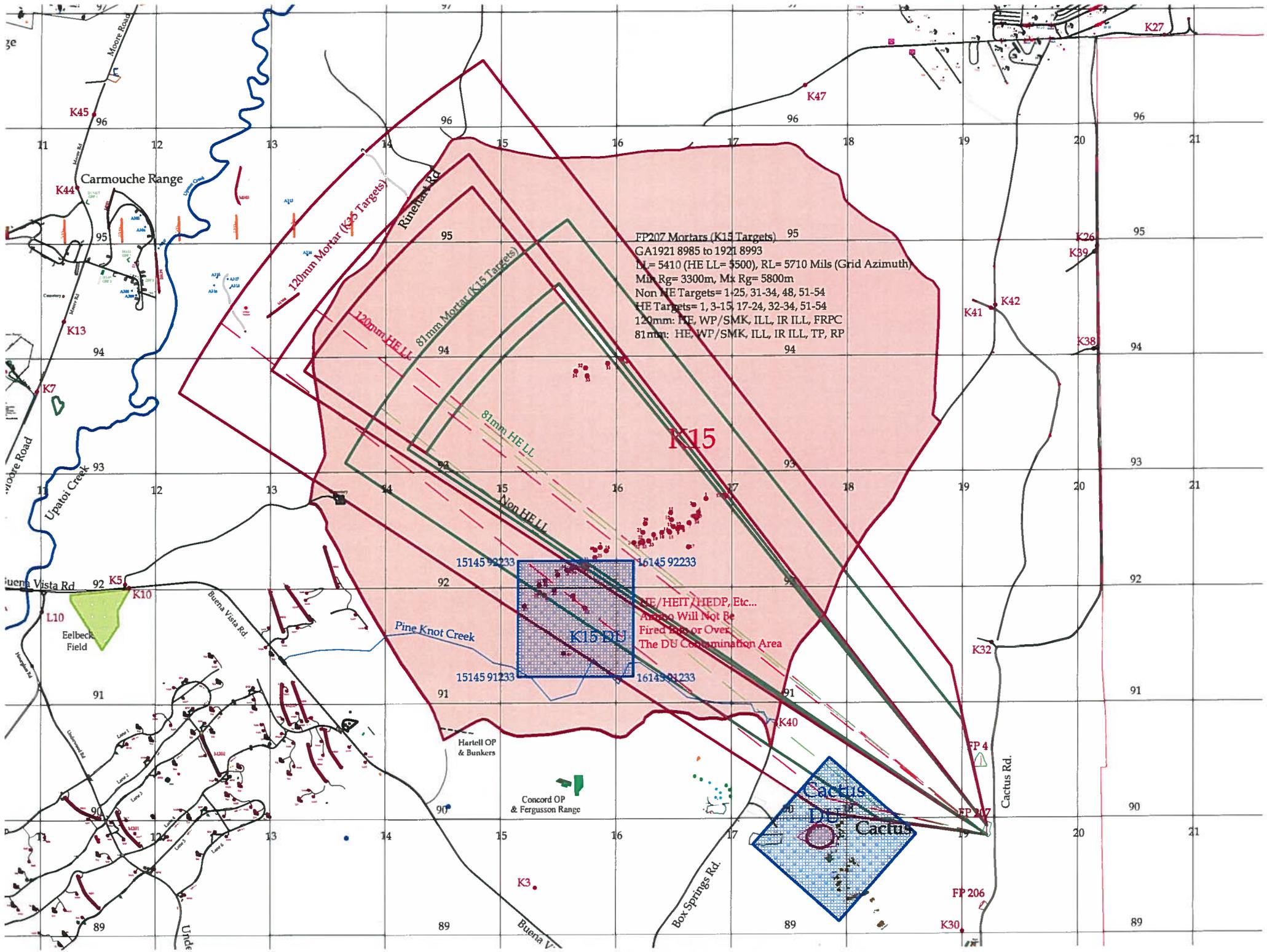
| #     | GRID       | LOCATION  | TYPE  |
|-------|------------|---|-------|
| K-2   | GA 163 883 | Across Box Springs Rd 125m N. of its intersection with Buena Vista Rd.  | Gate  |
| K-3   | GA 153 894 | Across entrance road leading to Concord OP 250m N. of its intersection with Buena Vista Rd.                         | Gate  |
|       |            |   |       |
| K-5   | GA 117 920 | Across Shamanski Rd 25m N. of its intersection with Buena Vista Rd.   | Gate  |
| K-7   | GA 109 937 | Across Moore Rd 15m N. of its intersection with Bullseye Rd.  | Cable |
| K-8   | GA 099 947 | Across Bulls Eye Rd 50m E of its intersection with Lorraine Road.   | Gate  |
| K-9   | GA 103 921 | Across Buena Vista Rd 40m E of the intersection with Moore Rd (Road Guard Location)                                 | Gate  |
| K-9A  | GA 106 919 | Across tank trail 200m W of the Upatoi Creek ford site.   | Gate  |
| K-10  | GA 118 920 | Across Buena Vista Rd at K-5 road block.  | Gate  |
| K-11  | GA 105 927 | Across Moore Rd 20m N. of its intersection with Audernarde Trail. Entrance to Terry Demo Rng. (Road guard location) | Gate  |
| K-12  | GA 104 988 | Across Old Lorraine Road 600m S of the tower on Brooks Range.   | Gate  |
| K-13  | GA 112 943 | Across Moore Rd 680m N. of its intersection with Bullseye Rd.   | Gate  |
| K-14  | GA 113 998 | Across Moore Rd 10m S. of its intersection with Lorraine Rd.  | Gate  |
| K-15  | GA 114 999 | Across course road leading out of Ruth Range 50m E. of its intersection with Moore Rd.                              | Gate  |
| K-16  | GB 190 003 | Across Rinehart Rd 130m W. of its intersection with Box Springs Rd.   | Gate  |
| K-16A | GA 172 989 | Across Rinehart Rd 20m S. of its intersection with the northern boundary range road.                                | Gate  |
| K-16B | GA 171 990 | Across un-named trail 20m S. of its intersection with the northern boundary range road.                             | Gate  |
| K-17  | GB 116 013 | Across unnamed trail 15m E. of Moore Rd and 300m N. of Ruth Range tower.  | Gate  |
| K-19  | GB 121 023 | Across unnamed trail 220m N-E. of Oscar Range Complex Road and 30m S of the northern boundary range road.           | Gate  |
| K-20  | GB 141 021 | Across unnamed trail 550m S of the northern boundary range road.  | Cable |
| K-21  | GB 139 027 | Across the northern boundary range road Aprox 250m East of Cox Creek bridge.  | Gate  |

| #     | GRID       | LOCATION  | TYPE  |
|-------|------------|---|-------|
| K-26  | GA 201 949 | Across Boundry Road 1800m S of its intersection with Turrentine Road                              | Gate  |
| K-27  | GA 207 968 | Across Turrentine Rd 600m E. of its intersection with Boundary Rd.                                | Gate  |
| K-28  | GA 191 885 | Across Whitson Rd 15m W. of its intersection with Cactus Rd.                                      | Gate  |
| K-29  | GA 189 888 | Across un-named trail on left side of Cactus Range 300m W of Cactus Road                          | Gate  |
| K-30  | GA 190 890 | Across un-named trail on right side of Cactus Range 250m W of Cactus Road.                        | Gate  |
| K-32  | GA 192 915 | Across Shamanski Road 35m W of its intersection with Cactus Rd.                                   | Gate  |
| K-36  | GA 163 883 | Across Buena Vista Rd 50m W. of its intersection with Box Springs Rd. (Road guard location).      | Gate  |
| K-36A | GA 163 882 | Across Tank Trail 50m W. of its intersection with Box Springs Rd.                                 | Gate  |
| K-38  | GA 201 941 | Across unnamed trail 35m W. of its intersection with the east boundary road. Permanently closed.  | Gate  |
| K-39  | GA 202 949 | Across unnamed trail 15m W. of its intersection with the east boundary road. Permanently closed.  | Gate  |
| K-40  | GA 174 908 | Across Box Springs Rd 30m S. of Pine Knot Creek.  | Gate  |
| K-41  | GA 192 944 | Across Kennesaw Trail 30m W. of its intersection with Box Springs Rd.                             | Gate  |
| K-42  | GA 193 944 | Across Box Springs Rd 10m N. of its intersection with Cactus Rd.                                  | Gate  |
| K-43  | GA 203 978 | Across the northern boundary range road approx 20m N-W. of the old Hastings Range upper baseline. | Gate  |
| K-44  | GA 113 955 | Across Moore Rd on the N. side of Carmouche Range maneuver box.                                   | Gate  |
| K-45  | GA 115 961 | Across Moore Rd 300m S. of its intersection with the old Ware Range course road.                  | Gate  |
| K-46  | GA 119 979 | Across Moore Rd 725m S. of its intersection with Americo Trail                                    | Gate  |
| K-47  | GA 176 963 | Across Turrentine Rd 1000m W. of mover 4 on Hastings Range  | Gate  |
| K-50  | GA 195 988 | Across Box Springs Rd 60m N. of its intersection with the northern boundary range road.           | Cable |

**Note:** These roadblocks are the same for FP's 4, 206 and 207.

## FP 210 Range Div Mortars (Log #9-11-13) Roadblock List Oct 1 2013

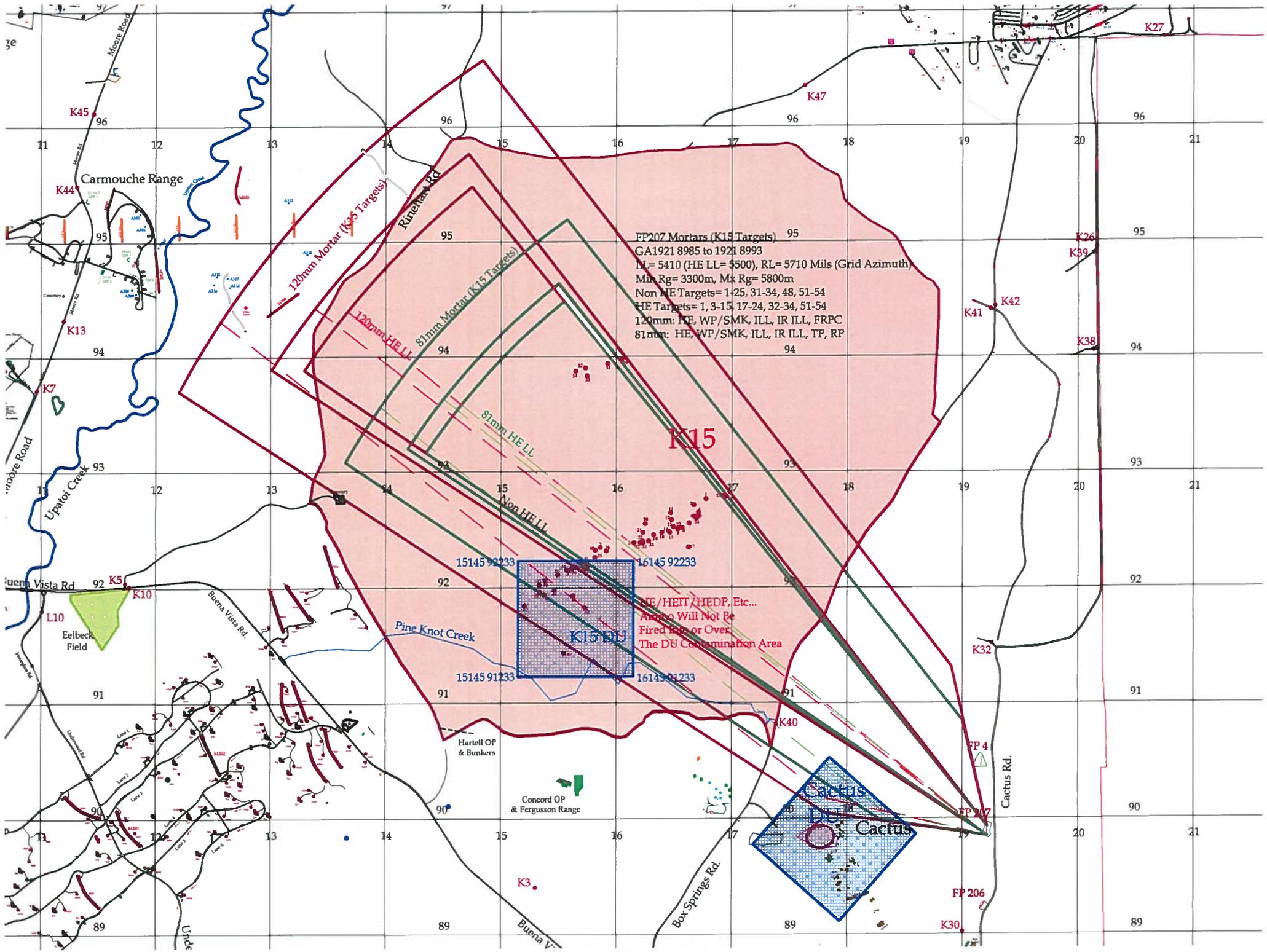
| #     | GRID       | LOCATION  | TYPE  | #     | GRID       | LOCATION  | TYPE  |
|-------|------------|---|-------|-------|------------|---|-------|
| K-2   | GA 163 883 | Across Box Springs Rd 125m N. of its intersection with Buena Vista Rd.  | Gate  | K-26  | GA 201 949 | Across Boundry Road 1800m S of its intersection with Turrentine Road                              | Gate  |
| K-3   | GA 153 894 | Across entrance road leading to Concord OP 250m N. of its intersection with Buena Vista Rd.                         | Gate  | K-27  | GA 207 968 | Across Turrentine Rd 600m E. of its intersection with Boundary Rd.                                | Gate  |
| K-5   | GA 117 920 | Across Shamanski Rd 25m N. of its intersection with Buena Vista Rd.   | Gate  | K-28  | GA 191 885 | Across Whitson Rd 15m W. of its intersection with Cactus Rd.                                      | Gate  |
| K-7   | GA 109 937 | Across Moore Rd 15m N. of its intersection with Bullseye Rd.  | Cable | K-29  | GA 189 888 | Across un-named trail on left side of Cactus Range 300m W of Cactus Road                          | Gate  |
| K-8   | GA 099 947 | Across Bulls Eye Rd 50m E of its intersection with Lorraine Road.   | Gate  | K-30  | GA 190 890 | Across un-named trail on right side of Cactus Range 250m W of Cactus Road.                        | Gate  |
| K-9   | GA 103 921 | Across Buena Vista Rd 40m E of the intersection with Moore Rd (Road Guard Location)                                 | Gate  | K-32  | GA 192 915 | Across Shamanski Road 35m W of its intersection with Cactus Rd.                                   | Gate  |
| K-9A  | GA 106 919 | Across tank trail 200m W of the Upatoi Creek ford site.   | Gate  | K-36  | GA 163 883 | Across Buena Vista Rd 50m W. of its intersection with Box Springs Rd. (Road guard location).      | Gate  |
| K-10  | GA 118 920 | Across Buena Vista Rd at K-5 road block.  | Gate  | K-36A | GA 163 882 | Across Tank Trail 50m W. of its intersection with Box Springs Rd.                                 | Gate  |
| K-11  | GA 105 927 | Across Moore Rd 20m N. of its intersection with Audernarde Trail. Entrance to Terry Demo Rng. (Road guard location) | Gate  | K-38  | GA 201 941 | Across unnamed trail 35m W. of its intersection with the east boundary road. Permanently closed.  | Gate  |
| K-12  | GA 104 988 | Across Old Lorraine Road 600m S of the tower on Brooks Range.   | Gate  | K-39  | GA 202 949 | Across unnamed trail 15m W. of its intersection with the east boundary road. Permanently closed.  | Gate  |
| K-13  | GA 112 943 | Across Moore Rd 680m N. of its intersection with Bullseye Rd.   | Gate  | K-40  | GA 174 908 | Across Box Springs Rd 30m S. of Pine Knot Creek.  | Gate  |
| K-14  | GA 113 998 | Across Moore Rd 10m S. of its intersection with Lorraine Rd.  | Gate  | K-41  | GA 192 944 | Across Kennesaw Trail 30m W. of its intersection with Box Springs Rd.                             | Gate  |
| K-15  | GA 114 999 | Across course road leading out of Ruth Range 50m E. of its intersection with Moore Rd.                              | Gate  | K-42  | GA 193 944 | Across Box Springs Rd 10m N. of its intersection with Cactus Rd.                                  | Gate  |
| K-16  | GB 190 003 | Across Rinehart Rd 130m W. of its intersection with Box Springs Rd.   | Gate  | K-43  | GA 203 978 | Across the northern boundary range road approx 20m N-W. of the old Hastings Range upper baseline. | Gate  |
| K-16A | GA 172 989 | Across Rinehart Rd 20m S. of its intersection with the northern boundary range road.                                | Gate  | K-44  | GA 113 955 | Across Moore Rd on the N. side of Carmouche Range maneuver box.                                   | Gate  |
| K-16B | GA 171 990 | Across un-named trail 20m S. of its intersection with the northern boundary range road.                             | Gate  | K-45  | GA 115 961 | Across Moore Rd 300m S. of its intersection with the old Ware Range course road.                  | Gate  |
| K-17  | GB 116 013 | Across unnamed trail 15m E. of Moore Rd and 300m N. of Ruth Range tower.  | Gate  | K-46  | GA 119 979 | Across Moore Rd 725m S. of its intersection with Americo Trail                                    | Gate  |
| K-19  | GB 121 023 | Across unnamed trail 220m N-E. of Oscar Range Complex Road and 30m S of the northern boundary range road.           | Gate  | K-47  | GA 176 963 | Across Turrentine Rd 1000m W. of mover 4 on Hastings Range  | Gate  |
| K-20  | GB 141 021 | Across unnamed trail 550m S of the northern boundary range road.  | Cable | K-50  | GA 195 988 | Across Box Springs Rd 60m N. of its intersection with the northern boundary range road.           | Cable |
| K-21  | GB 139 027 | Across the northern boundary range road Aprox 250m East of Cox Creek bridge.  | Gate  |       |            |   |       |



Carmouche Range

FP207 Mortars (K15 Targets) 95  
 GA1921 8985 to 1921 8993  
 DL= 5410 (HE LL= 5500), RL= 5710 Mils (Grid Azimuth)  
 Mx Rg= 3300m, Mx Rg= 5800m  
 Non HE Targets= 1-25, 31-34, 48, 51-54  
 HE Targets= 1, 3-15, 17-24, 32-34, 51-54  
 120mm: HE, WP/SMK, ILL, IR ILL, FRPC  
 81mm: HE, WP/SMK, ILL, IR ILL, TP, RP

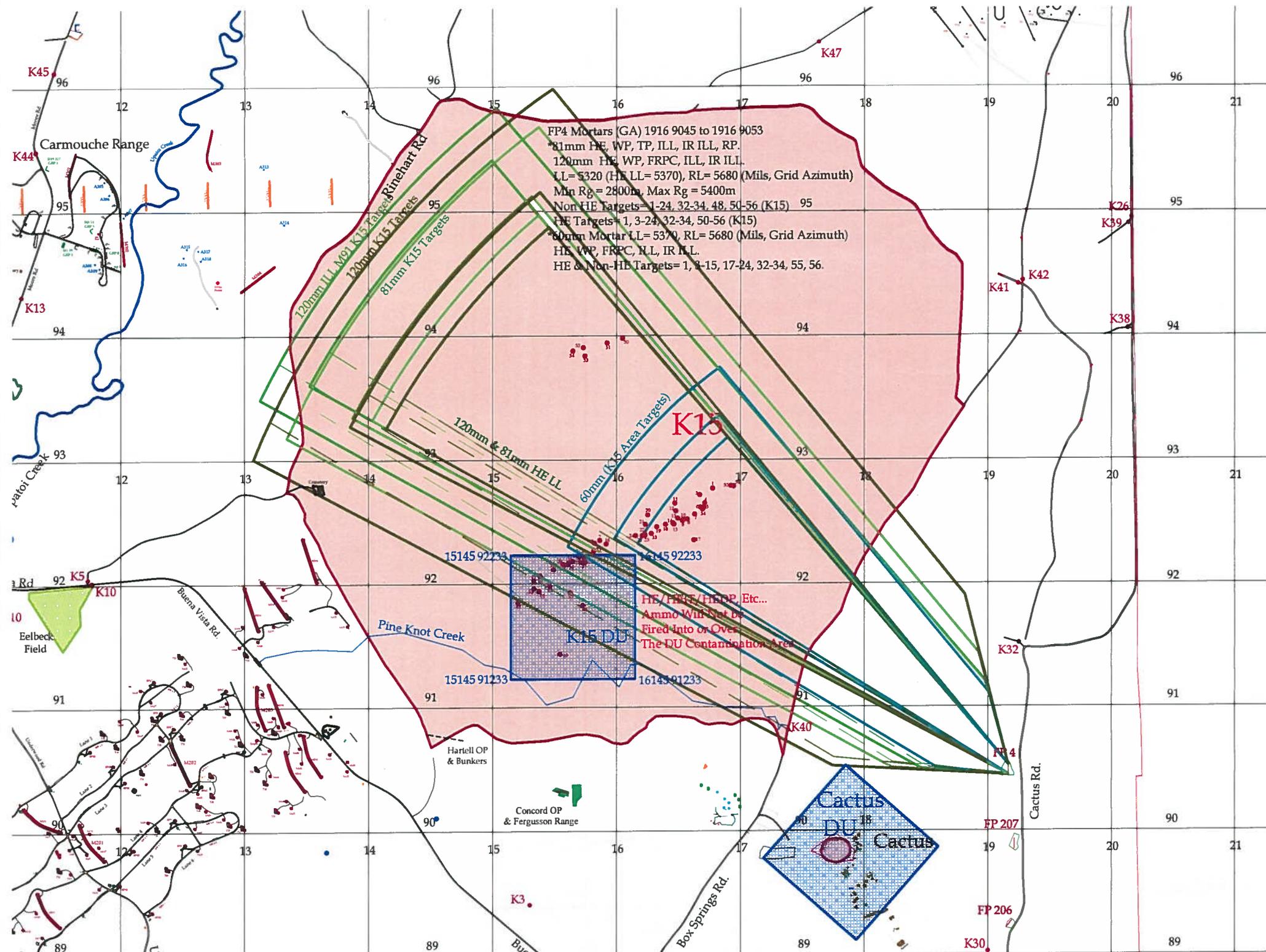
HE/HEIT/HEDP, Etc...  
 Areas Will Not Be  
 Fired Into or Over  
 The DU Contamination Area



Carmouche Range

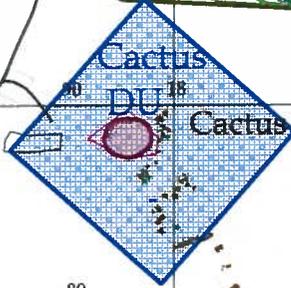
FP207 Mortars (K15 Targets) 95  
 GA1921 8985 to 1921 8993  
 DL= 5410 (HE LL= 5500), RL= 5710 Mils (Grid Azimuth)  
 Mx Rg= 3300m, Mx Rg= 5800m  
 Non HE Targets= 1-25, 31-34, 48, 51-54  
 HE Targets= 1, 3-15, 17-24, 32-34, 51-54  
 120mm: HE, WP/SMK, ILL, IR ILL, FRPC  
 81mm: HE, WP/SMK, ILL, IR ILL, TP, RP

HE/HEIT/HEDP, Etc...  
 Areas Will Not Be  
 Fired Into or Over  
 The DU Contamination Area



FP4 Mortars (GA) 1916 9045 to 1916 9053  
 81mm HE, WP, TP, ILL, IR ILL, RP.  
 120mm HE, WP, FRPC, ILL, IR ILL.  
 LL= 5320 (HE LL= 5370), RL= 5680 (Mils, Grid Azimuth)  
 Min Rg = 2800m, Max Rg = 5400m  
 Non-HE Targets = 1-24, 32-34, 48, 50-56 (K15) 95  
 HE Targets = 1, 3-24, 32-34, 50-56 (K15)  
 60mm Mortar LL= 5370, RL= 5680 (Mils, Grid Azimuth)  
 HE, WP, FRPC, N.L, IR ILL.  
 HE & Non-HE Targets = 1, 3-15, 17-24, 32-34, 55, 56.

HE/FIRE/FINDP, Etc...  
 Ammo Will Not be  
 Fired into or Over  
 The DU Contamination Area



Concord OP & Fergusson Range

Hartell OP & Bunkers

Pine Knot Creek

Buena Vista Rd

Cactus Rd.

Box Springs Rd.

Carmouche Range

Eelbeck Field

K3

K30

FP 206

FP 207

FP 4

K40

K32

K15 DU

K15

K13

K45

K44

K47

K26

K39

K42

K41

K38

K5

K10

15145 92233

16145 92233

15145 91233

16145 91233

K3

K3

K4

K5

K6

K7

K8

K9

K10

K11

K12

K13

K14

K15

K16

K17

K18

K19

K20

K21

K22

K23

K24

K25

K26

K27

K28

K29

K30

K31

K32

K33

K34

K35

K36

K37

K38

K39

K40

K41

K42

K43

K44

K45

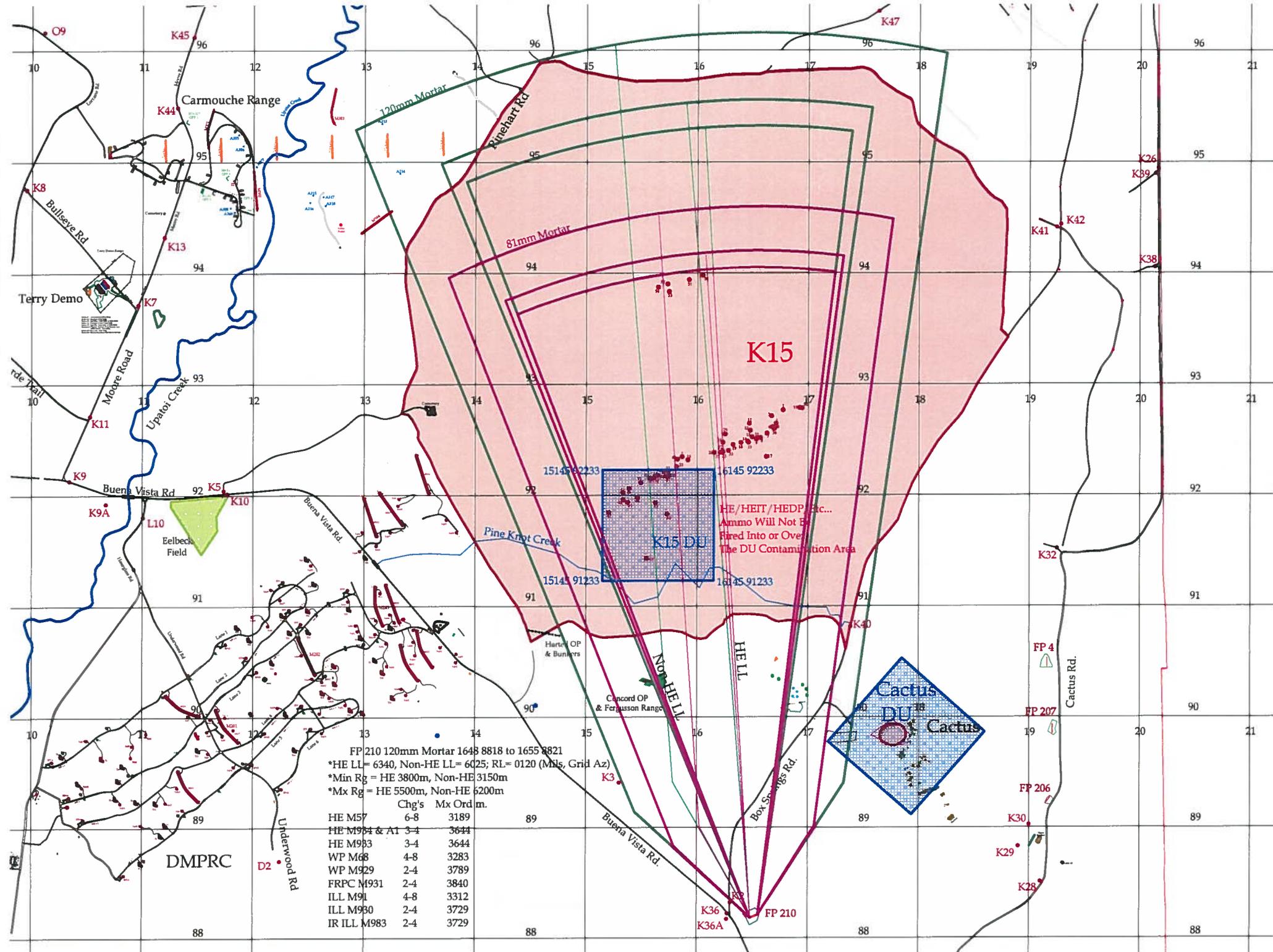
K46

K47

K48

K49

K50



FP 210 120mm Mortar 1648 8818 to 1655 8821  
 \*HE LL= 6340, Non-HE LL= 6025; RL= 0120 (MNs, Grid Az)  
 \*Min Rg = HE 3800m, Non-HE 3150m  
 \*Mx Rg = HE 5500m, Non-HE 6200m

|              | Chg's | Mx Ord.m. |
|--------------|-------|-----------|
| HE M57       | 6-8   | 3189      |
| HE M984 & A1 | 3-4   | 3644      |
| HE M983      | 3-4   | 3644      |
| WP M68       | 4-8   | 3283      |
| WP M929      | 2-4   | 3789      |
| FRPC M931    | 2-4   | 3840      |
| ILL M91      | 4-8   | 3312      |
| ILL M980     | 2-4   | 3729      |
| IR ILL M983  | 2-4   | 3729      |

HE/HEIT/HEDP, Etc...  
 Ammo Will Not Be  
 Fired into or Over  
 The DU Contamination Area

Cactus  
 DU  
 Cactus

