

# Wind drift on C-79

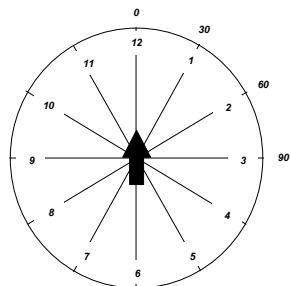
# CLICKS

# INCHES

| Wind speed in<br>Kms/hour | Range in meters |     |     |     | Range in Meters |      |      |      |
|---------------------------|-----------------|-----|-----|-----|-----------------|------|------|------|
|                           | 200             | 300 | 400 | 500 | 200             | 300  | 400  | 500  |
| 5                         | 1               | 1   | 2   | 2   | 0.7             | 3.1  | 5.8  | 9.6  |
| 10                        | 1               | 2   | 3   | 4   | 2.6             | 6.2  | 11.7 | 19.5 |
| 15                        | 2               | 3   | 4   | 6   | 3.9             | 9.3  | 17.5 | 29   |
| 20                        | 3               | 4   | 6   | 8   | 5.2             | 12.4 | 23.3 | 38.7 |
| 25                        | 3               | 5   | 7   | 10  | 6.5             | 15.4 | 29.1 | 48.3 |
| 30                        | 4               | 6   | 9   | 12  | 7.8             | 18.5 | 34.7 | 57.8 |

# Wind

- Closest wind has most effect
- 30 Deg (1,5,7,11 O'clock) = 1/2 VALUE
- 60 Deg (2/4/8/10 O'clock) = 7/8 value
- 90 Deg (3/9 O'clock) = FULL VALUE
- At low value, DIRECTION matters
- At high value, SPEED matters



Wind Chart Courtesy DPSSM – L. Foster

RANK: \_\_\_\_\_ NAME: \_\_\_\_\_ TEAM: \_\_\_\_\_

# CAFSAC 2019



# Brownie's Book

## Service Rifle Matches 11-14

### Aide-de-Mémoire and Personal Score Record Booklet

(Use this book for scores and fall of shot tracking and comparison)

CPO2 Brad Browne 11.0 WITH VBULL [coffee@ns.sympatico.ca](mailto:coffee@ns.sympatico.ca) Dated : 15 Aug 2019

# Match 13 Replicas :

12

|  |   |   |   |     |      |  |     |    |      |     |    |  |      |    |   |     |   |  |
|--|---|---|---|-----|------|--|-----|----|------|-----|----|--|------|----|---|-----|---|--|
| <b>Stage 4</b><br>(3-200 Kneeling Moving Targets)<br><b>SIGHT:</b> |   | <table border="1"> <tr><td>V</td><td></td><td>x 5=</td><td></td></tr> <tr><td>B</td><td></td><td>x 5=</td><td></td></tr> <tr><td>I</td><td></td><td>x 4=</td><td></td></tr> <tr><td></td><td></td><td>(50)</td><td></td></tr> </table>  | V |     | x 5= |  | B   |    | x 5= |     | I  |  | x 4= |    |   |     | (50)  |  |
| V  |   | x 5=  |   |     |      |  |     |    |      |     |    |  |      |    |   |     |   |  |
| B  |   | x 5=  |   |     |      |  |     |    |      |     |    |  |      |    |   |     |   |  |
| I  |   | x 4=  |   |     |      |  |     |    |      |     |    |  |      |    |   |     |   |  |
|  |   | (50)  |   |     |      |  |     |    |      |     |    |  |      |    |   |     |   |  |
| <b>Stage 5</b><br>(2-100 Standing Snap)<br><b>SIGHT:</b>           |   | <table border="1"> <tr><td>V</td><td></td><td>x 5=</td><td></td></tr> <tr><td>B</td><td></td><td>x 5=</td><td></td></tr> <tr><td>I</td><td></td><td>x 4=</td><td></td></tr> <tr><td>T</td><td></td><td>(50)</td><td></td></tr> </table> | V |     | x 5= |  | B   |    | x 5= |     | I  |  | x 4= |    | T |     | (50)  |  |
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| B  |   | x 5=  |   |     |      |  |     |    |      |     |    |  |      |    |   |     |   |  |
| I  |   | x 4=  |   |     |      |  |     |    |      |     |    |  |      |    |   |     |   |  |
| T  |   | (50)  |   |     |      |  |     |    |      |     |    |  |      |    |   |     |   |  |
| <b>Match 3 Total Score:</b><br>                                    | <table border="1"> <tr><td>S1</td><td></td><td>/50</td></tr> <tr><td>S2</td><td></td><td>/50</td></tr> <tr><td>S3</td><td></td><td>/50</td></tr> <tr><td>S4</td><td></td><td>/50</td></tr> <tr><td>S5</td><td></td><td>/50</td></tr> </table> | S1  |   | /50 | S2   |  | /50 | S3 |      | /50 | S4 |  | /50  | S5 |   | /50 | <b>Score:</b><br><div style="font-size: 2em; text-align: center;">/250</div> <div style="font-size: 3em; text-align: center;">V</div> |  |
| S1   |   | /50   |   |     |      |  |     |    |      |     |    |  |      |    |   |     |   |  |
| S2   |   | /50   |   |     |      |  |     |    |      |     |    |  |      |    |   |     |   |  |
| S3   |   | /50   |   |     |      |  |     |    |      |     |    |  |      |    |   |     |   |  |
| S4   |   | /50   |   |     |      |  |     |    |      |     |    |  |      |    |   |     |   |  |
| S5   |   | /50   |   |     |      |  |     |    |      |     |    |  |      |    |   |     |   |  |

# Match 11 Replicas :

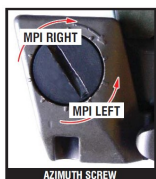
5

|  |  |  |   |  |      |  |   |  |      |  |   |  |      |  |  |  |      |  |
|--|--|--|---|--|------|--|---|--|------|--|---|--|------|--|--|--|------|--|
| <b>Stage 3</b><br>(200m Kneeling Rapid fire 30 sec)<br><b>SIGHT:</b> |  | <table border="1"> <tr><td>V</td><td></td><td>x 5=</td><td></td></tr> <tr><td>B</td><td></td><td>x 5=</td><td></td></tr> <tr><td>I</td><td></td><td>x 4=</td><td></td></tr> <tr><td></td><td></td><td>(50)</td><td></td></tr> </table> | V |  | x 5= |  | B |  | x 5= |  | I |  | x 4= |  |  |  | (50) |  |
| V  |  | x 5=   |   |  |      |  |   |  |      |  |   |  |      |  |  |  |      |  |
| B  |  | x 5=   |   |  |      |  |   |  |      |  |   |  |      |  |  |  |      |  |
| I  |  | x 4=   |   |  |      |  |   |  |      |  |   |  |      |  |  |  |      |  |
|  |  | (50)   |   |  |      |  |   |  |      |  |   |  |      |  |  |  |      |  |
| <b>Stage 4</b><br>(200-100m Rundown to prone)<br><b>SIGHT:</b>       |  | <table border="1"> <tr><td>V</td><td></td><td>x 5=</td><td></td></tr> <tr><td>B</td><td></td><td>x 5=</td><td></td></tr> <tr><td>I</td><td></td><td>x 4=</td><td></td></tr> <tr><td></td><td></td><td>(50)</td><td></td></tr> </table> | V |  | x 5= |  | B |  | x 5= |  | I |  | x 4= |  |  |  | (50) |  |
| V  |  | x 5=   |   |  |      |  |   |  |      |  |   |  |      |  |  |  |      |  |
| B  |  | x 5=   |   |  |      |  |   |  |      |  |   |  |      |  |  |  |      |  |
| I  |  | x 4=   |   |  |      |  |   |  |      |  |   |  |      |  |  |  |      |  |
|  |  | (50)   |   |  |      |  |   |  |      |  |   |  |      |  |  |  |      |  |
| <b>Stage 5</b><br>(100m Follow-up snap Standing)<br><b>SIGHT:</b>    |  | <table border="1"> <tr><td>V</td><td></td><td>x 5=</td><td></td></tr> <tr><td>B</td><td></td><td>x 5=</td><td></td></tr> <tr><td>I</td><td></td><td>x 4=</td><td></td></tr> <tr><td></td><td></td><td>(50)</td><td></td></tr> </table> | V |  | x 5= |  | B |  | x 5= |  | I |  | x 4= |  |  |  | (50) |  |
| V  |  | x 5=   |   |  |      |  |   |  |      |  |   |  |      |  |  |  |      |  |
| B  |  | x 5=   |   |  |      |  |   |  |      |  |   |  |      |  |  |  |      |  |
| I  |  | x 4=   |   |  |      |  |   |  |      |  |   |  |      |  |  |  |      |  |
|  |  | (50)   |   |  |      |  |   |  |      |  |   |  |      |  |  |  |      |  |

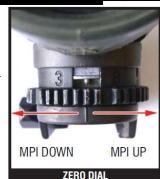
## Points to Remember

- Bring your Score Cards & confirm completion before submitting;
- Ensure you have ALL your kit;
- Double check sight settings before Matches;
- Fill in these plot cards with all the data;
- If something works, document and repeat:
- CHECK YOUR SIGHT FOR TIGHT!

### • Windage



### • Elevation



## HABITS for Marksmanship

- HOLDING
- AIMING
- BREATHING
- INSTINCTIVE POSITION
- TRIGGER CONTROL AND FOLLOW THROUGH
- SCAN AND BREATHE

## NOTES ON SCORING

- Never touch your own target during scoring
- Only record your hits on the score card
- DON'T DO THE MATH**
- For any dispute during scoring, call the staff
- Only patch targets once all have been scored
- Verify and sign the card before giving to staff

## Overall Score

2

|          |  |       |   |
|----------|--|-------|---|
| Match 11 |  | /250  | V |
| Match 12 |  | /300  | V |
| Match 13 |  | /250  | V |
| Match 14 |  | /250  | V |
| Total:   |  | /1050 | V |

## Match 14 Replicas :

15

### Stage 4

(3-200 ST/Kneeling  
Rundown, 35/8 secs)

### SIGHT:



|   |  |      |  |
|---|--|------|--|
| V |  | x 5= |  |
| B |  | x 5= |  |
| I |  | x 4= |  |
| T |  | (50) |  |

### Stage 5

(2-100 Stand/Kneel/  
Prone/Kneel/Stand  
Snap 10 sec/2 shot)

### SIGHT:



|   |  |      |  |
|---|--|------|--|
| V |  | x 5= |  |
| B |  | x 5= |  |
| I |  | x 4= |  |
| T |  | (50) |  |

### Match 14 Total

### Score:



|    |  |      |
|----|--|------|
| P1 |  |      |
| P2 |  | /100 |
| P3 |  | /50  |
| P4 |  | /50  |
| P5 |  | /50  |

### Score:

/250

V \_\_\_\_\_

## Match 11 Replicas :

6

### Match 11 Total Score:



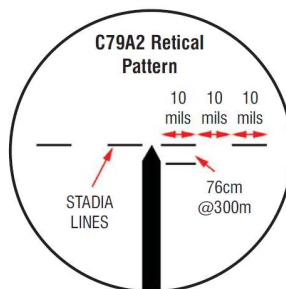
|    |  |     |
|----|--|-----|
| S1 |  | /50 |
| S2 |  | /50 |
| S3 |  | /50 |
| S4 |  | /50 |
| S5 |  | /50 |



### Score:

/250

V \_\_\_\_\_



## Match 13 Replicas:

11

### Sighters

(300 prone sighters  
120 sec 2 shots)

### SIGHT:



### SIGHT:

WIND:  
Weath:

### Stage 1

(300 prone deliberate  
60 sec)

### SIGHT:



|   |  |      |  |
|---|--|------|--|
| V |  | x 5= |  |
| B |  | x 5= |  |
| I |  | x 4= |  |
| M |  | x 3= |  |
| T |  | (50) |  |

### Stage 2

(300 Prone 5 min  
agony snap)

### SIGHT:



|   |  |      |  |
|---|--|------|--|
| V |  | x 5= |  |
| B |  | x 5= |  |
| I |  | x 4= |  |
| T |  | (50) |  |

### Stage 3

(300 Prone Rapid 30  
sec)





### SIGHT:



|   |  |      |  |
|---|--|------|--|
| V |  | x 5= |  |
| B |  | x 5= |  |
| I |  | x 4= |  |
| T |  | (50) |  |

# Match 14 Replicas:

14

|   |   |  |  |       |  |
|---|---|--|--|-------|--|
| Sighters<br>(500 Prone Sighters 2 shots 120 sec)          |  | <b>SIGHT:</b><br><b>WIND:</b><br><b>Weath:</b> |  |       |  |
| Stage 1<br>(500 60 sec)<br><b>SIGHT:</b>                  |  | <b>V</b>                                       |  | x 5=  |  |
|   |   | <b>B</b>                                       |  | x 5=  |  |
|   |   | <b>I</b>                                       |  | x 4=  |  |
|   |   | <b>M</b>                                       |  | x 3=  |  |
|   |   |  |  | (100) |  |
| Stage 2<br>(5-400 Prone Rundown 120 sec)<br><b>SIGHT:</b> |  | <b>V</b>                                       |  | x 5=  |  |
|   |   | <b>B</b>                                       |  | x 5=  |  |
|   |   | <b>I</b>                                       |  | x 4=  |  |
|   |   |  |  | (100) |  |
| Stage 3<br>(4-300 Mover rundown)<br><b>SIGHT:</b>         |  | <b>V</b>                                       |  | x 5=  |  |
|   |   | <b>B</b>                                       |  | x 5=  |  |
|   |   | <b>I</b>                                       |  | x 4=  |  |
|   |   |  |  | (50)  |  |

# MATCH 11 - NORMANDY

3

| SER   | Shots      | Range | Position      | Tgt   | Notes  |
|-------|------------|-------|---------------|-------|--|
| Sight | 2<br>(12)  | 200   | PR            | 12C   | 120 sec, fire 2 sighters<br>Each shot indicated                    |
| 1     | 10         | 200   | ST > PR       | 12C   | 60 sec, Single Exp<br>Start 5m behind Firing point                 |
| 2     | 10<br>(20) | 200   | KN            | 11    | 200 mover 5 x 6 sec exp<br><b>2 shots per exposure</b>             |
| 3     | 10         | 200   | ST>KN         | 11/12 | 30 sec, 5 rounds per target  |
| 4     | 10<br>(20) | 2-100 | Rundown<br>PR | 14    | Start KN, 35 sec run to 100 fire<br>2 shots, 4x5sec 2 shot per exp |
| 5     | 10         | 100   | ST            | 12    | Standing alert to Standing, 5x 8<br>sec 2 shots per exp            |

(XX) Indicates suggested magazine loadout



# MATCH 13 - VIMY

10

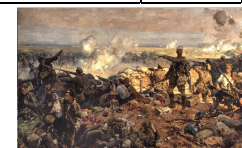
| SER   | Shots      | Range | Position         | Tgt   | Notes   |
|-------|------------|-------|------------------|-------|---|
| Sight | 2<br>(12)  | 300   | PR               | 12B   | 120 sec, fire 2 sighters<br>Each shot indicated                       |
| 1     | 10         | 300   | ST>PR            | 12B   | 60 sec, Single Exp<br>Start 5m behind Firing point                    |
| 2     | 10<br>(10) | 300   | PR               | 12    | 5 mins Agony snap 10 x 3 sec<br>exp                                   |
| 3     | 10<br>(10) | 300   | ST>PR            | 11/12 | 30 sec, 5 rounds per target   |
| 4     | 10<br>(20) | 3-200 | Rundown<br>PR>KN | 11    | 35 sec run to 200 KN, 5 x 6 sec<br>movers <b>2 shots per exposure</b> |
| 5     | 10         | 2-100 | Rundown<br>KN>ST | 12    | Start KN, 35 sec to 100 ST fire<br>1 shot. 9x3 sec exp 1 rd/exp       |



# MATCH 12 - DEFENCE OF CANADA




7

| SER | Shots      | Range | Position            | Tgt | Notes  |
|-----|------------|-------|---------------------|-----|--|
| 1   | 10<br>(30) | 100   | ST move<br>to ST/KN | 12  | 1 sec flash, move up, 5 dbl exp,<br>3 sec up/2 dn/3 up, 1 shot/exp |
| 2   | 10         | 100   | KN                  | 12  | 100 movers 5 x 6 sec exp<br><b>2 shots per exposure</b>            |
| 3   | 10         | 75    | Rundown<br>ST       | 12  | 1 sec flash, move to 75, 5 x 5<br>sec exp, 2 shots/exp             |
| 4   | 10<br>(30) | 50    | Rundown<br>ST/KN    | 14  | 1 sec flash, move to 50, 5 dbl<br>exp, 3 up/2 dn/3 up 1 rd/exp     |
| 5   | 10         | 50    | KN                  | 14  | 50m mover 5 x 6 sec exp<br><b>2 shots per exposure</b>             |
| 6   | 10         | 25    | Rundown<br>ST       | 14  | 1 sec flash, move to 25, 5 x 5<br>sec exp, 2 shots/exp             |



# Match 11 Replicas:

4

|  |   |  |  |      |  |
|--|---|--|--|------|--|
| Sighters<br><br>(200m prone zeroing<br>120 secs for 2 shots)           |  | <b>SIGHT:</b><br><br><b>WIND:</b><br><br><b>Weath:</b> |  |      |  |
| Stage 1<br><br>(200m 60 sec Prone<br>Deliberate fire)<br><b>SIGHT:</b> |  | V  |  | x 5= |  |
|  |   | B  |  | x 5= |  |
|  |   | I  |  | x 4= |  |
|  |   | M  |  | X 3= |  |
|  |   |  |  | (50) |  |
| Stage 2<br><br>(200m Kneeling<br>Moving Targets)<br><b>SIGHT:</b>      |  | V  |  | x 5= |  |
|  |   | B  |  | x 5= |  |
|  |   | I  |  | x 4= |  |
|  |   |  |  | (50) |  |

# MATCH 14 – PURSUIT TO MONS





13

| SER   | Shots      | Range | Position                     | Tgt           | Notes   |
|-------|------------|-------|------------------------------|---------------|---|
| Sight | 2<br>(12)  | 500   | PR                           | 12A<br>Screen | 120 sec, fire 2 sighters<br>Each shot indicated                                     |
| 1     | 10         | 500   | PR                           | 12A<br>Screen | 60 sec, Single Exp<br>Start 5m behind Firing point                                  |
| 2     | 10<br>(10) | 5-400 | Rundown<br>PR                | 12            | 90 sec to rundown and fire 10<br>rds prone  |
| 3     | 10<br>(20) | 4-300 | Rundown<br>PR                | 11            | 35 sec run to 300 PR 5x6 sec<br>movers <b>2 shots per exposure</b>                  |
| 4     | 10         | 3-200 | Rundown<br>ST/KN             | 12            | 35 sec run to 200, 2 shots on<br>arr KN. 4x8 sec exp, 2 rds/exp                     |
| 5     | 10<br>(10) | 2-100 | Rundown<br>ST/KN/PR<br>KN/ST | 12            | 35 sec rundown to ST + fire 2<br>shots, move KN/PR/KN/ST, 2<br>shots per 10 sec exp |



# Match 12 Replicas:

8

|   |   |   |  |      |  |
|---|---|---|--|------|--|
| Stage 1<br><br>100m Standing/Kneeling<br>follow-up snap (3/2/3)<br><b>SIGHT:</b>    |   | V |  | x 5= |  |
|   |   | B |  | x 5= |  |
|   |   | I |  | x 4= |  |
|   |   | T |  | (50) |  |
| Stage 2<br><br>100m Kneeling Movers<br><b>SIGHT:</b>                                |  | V |  | x 5= |  |
|   |   | B |  | x 5= |  |
|   |   | I |  | x 4= |  |
|   |   | T |  | (50) |  |
| Stage 3<br><br>100-75m Rundown Standing<br>Double-tap Snap (5 Sec)<br><b>SIGHT:</b> |  | V |  | x 5= |  |
|   |   | B |  | x 5= |  |
|   |   | I |  | x 4= |  |
|   |   | T |  | (50) |  |
| Stage 4<br><br>75-50m Rundown Standing<br>Follow-up Snap (3/2/3)<br><b>SIGHT:</b>   |  | V |  | x 5= |  |
|   |   | B |  | x 5= |  |
|   |   | I |  | x 4= |  |
|   |   | T |  | (50) |  |

# Match 12 Replicas :

9

|                          |   |   |   |     |      |  |     |    |      |     |    |  |      |    |   |     |      |  |     |   |
|--------------------------|---|---|---|-----|------|--|-----|----|------|-----|----|--|------|----|---|-----|------|--|-----|---|
| Stage 5                  |   | <table><tr><td>V</td><td></td><td>x 5=</td><td></td></tr><tr><td>B</td><td></td><td>x 5=</td><td></td></tr><tr><td>I</td><td></td><td>x 4=</td><td></td></tr><tr><td>T</td><td></td><td>(50)</td><td></td></tr></table> | V |     | x 5= |  | B   |    | x 5= |     | I  |  | x 4= |    | T |     | (50) |  |     |   |
| V                        |   | x 5=  |   |     |      |  |     |    |      |     |    |  |      |    |   |     |      |  |     |   |
| B                        |   | x 5=  |   |     |      |  |     |    |      |     |    |  |      |    |   |     |      |  |     |   |
| I                        |   | x 4=  |   |     |      |  |     |    |      |     |    |  |      |    |   |     |      |  |     |   |
| T                        |   | (50)  |   |     |      |  |     |    |      |     |    |  |      |    |   |     |      |  |     |   |
| Stage 6                  |   | <table><tr><td>V</td><td></td><td>x 5=</td><td></td></tr><tr><td>B</td><td></td><td>x 5=</td><td></td></tr><tr><td>I</td><td></td><td>x 4=</td><td></td></tr><tr><td>T</td><td></td><td>(50)</td><td></td></tr></table> | V |     | x 5= |  | B   |    | x 5= |     | I  |  | x 4= |    | T |     | (50) |  |     |   |
| V                        |   | x 5=  |   |     |      |  |     |    |      |     |    |  |      |    |   |     |      |  |     |   |
| B                        |   | x 5=  |   |     |      |  |     |    |      |     |    |  |      |    |   |     |      |  |     |   |
| I                        |   | x 4=  |   |     |      |  |     |    |      |     |    |  |      |    |   |     |      |  |     |   |
| T                        |   | (50)  |   |     |      |  |     |    |      |     |    |  |      |    |   |     |      |  |     |   |
| Match 12 Total<br>Score: | <table><tr><td>S1</td><td></td><td>/50</td></tr><tr><td>S2</td><td></td><td>/50</td></tr><tr><td>S3</td><td></td><td>/50</td></tr><tr><td>S4</td><td></td><td>/50</td></tr><tr><td>S5</td><td></td><td>/50</td></tr><tr><td>S6</td><td></td><td>/50</td></tr></table> | S1  |   | /50 | S2   |  | /50 | S3 |      | /50 | S4 |  | /50  | S5 |   | /50 | S6   |  | /50 | Score:<br><br><br><br><br><br><br><br><br><br><div>V_____</div> <div>/300</div> |
| S1                       |   | /50   |   |     |      |  |     |    |      |     |    |  |      |    |   |     |      |  |     |   |
| S2                       |   | /50   |   |     |      |  |     |    |      |     |    |  |      |    |   |     |      |  |     |   |
| S3                       |   | /50   |   |     |      |  |     |    |      |     |    |  |      |    |   |     |      |  |     |   |
| S4                       |   | /50   |   |     |      |  |     |    |      |     |    |  |      |    |   |     |      |  |     |   |
| S5                       |   | /50   |   |     |      |  |     |    |      |     |    |  |      |    |   |     |      |  |     |   |
| S6                       |   | /50   |   |     |      |  |     |    |      |     |    |  |      |    |   |     |      |  |     |   |