

# IPV & Incursion Working Group Report – March 2023

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Project Manager - Major Projects Customer Service and Stakeholder Division

Rev 0 – 05/04/2023

Data Source: HART [WD3]

# Incursions Report - Headline

To date, the total number of incursions recorded since October 2017 is **13349**

| Kind of Event   | Directorate    |            |                    |                     |             |
|---|----------------|------------|--------------------|---------------------|-------------|
|   | Major Projects | Operations | Outstations & ROCs | NH Offices & Depots | Grand Total |
| Incursion; Intentional - To seek benefit                    | 819            | 1709       | 557                | 57                  | 3142        |
| Incursion; Intentional – Because of breakdown               | 3872           | 336        | 138                | 2                   | 4348        |
| Incursion; Intentional – To seek information                | 48             | 74         | 29                 | 4                   | 155         |
| Incursion; Intentional - Breach of Rolling Road Block (TOS) | 4              | 22         | 864                | 8                   | 898         |
| Incursion; Unintentional - Driver confused                  | 763            | 516        | 258                | 39                  | 1576        |
| Incursion; Unintentional - Follow in                        | 126            | 147        | 16                 | 2                   | 291         |
| Incursion; Unintentional - Result of accident               | 242            | 151        | 67                 | 5                   | 465         |
| Incursions; Intentional - Blue Light Incursion              | 31             | 35         |                    |                     | 66          |
| IPV Strike  | 18             | 46         | 8                  |                     | 73          |
| Incursion to seek information or benefit                    | 233            | 1085       | 174                | 18                  | 1510        |
| Incursion unintentional - confused or follow in             | 181            | 429        | 210                | 6                   | 826         |
| Grand Total   | 6337           | 4551       | 2321               | 141                 | 13349       |

| Kind of Event                     | By Year (Jan – Dec) |      |              |               |               |               |      |
|-----------------------------------|---------------------|------|--------------|---------------|---------------|---------------|------|
|                                   | Previous Years      | 2018 | 2019         | 2020          | 2021          | 2022          | 2023 |
| Number of All Incursions recorded | 788                 | 1874 | 2055 (+9.7%) | 2313 (+12.6%) | 3937 (+70.2%) | 1826 (-53.6%) | 572  |

# Incursions Report - Headline

**17** Historical Incursion records added

| Kind of Event   | Directorate    |        |        |            |        |        |                    |        |        |                     |        |        |             |        |        |
|---|----------------|--------|--------|------------|--------|--------|--------------------|--------|--------|---------------------|--------|--------|-------------|--------|--------|
|   | Major Projects |        |        | Operations |        |        | Outstations & ROCs |        |        | NH Offices & Depots |        |        | Grand Total |        |        |
|   | Dec-22         | Jan-23 | Feb-23 | Dec-22     | Jan-23 | Feb-23 | Dec-22             | Jan-23 | Feb-23 | Dec-22              | Jan-23 | Feb-23 | Dec-22      | Jan-23 | Feb-23 |
| Incursion; Intentional - To seek benefit                    |                |        | 3      |            |        | 13     |                    |        |        |                     |        |        |             |        | 16     |
| Incursion; Intentional – Because of breakdown               |                |        | 1      |            |        |        |                    |        |        |                     |        |        |             |        | 1      |
| Incursion; Intentional – To seek information                |                |        |        |            |        |        |                    |        |        |                     |        |        |             |        |        |
| Incursion; Intentional - Breach of Rolling Road Block (TOS) |                |        |        |            |        |        |                    |        |        |                     |        |        |             |        |        |
| Incursion; Unintentional - Driver confused                  |                |        |        |            |        |        |                    |        |        |                     |        |        |             |        |        |
| Incursion; Unintentional - Follow in                        |                |        |        |            |        |        |                    |        |        |                     |        |        |             |        |        |
| Incursion; Unintentional - Result of accident               |                |        |        |            |        |        |                    |        |        |                     |        |        |             |        |        |
| Incursions; Intentional - Blue Light Incursion              |                |        |        |            |        |        |                    |        |        |                     |        |        |             |        |        |
| IPV Strike  |                |        |        |            |        |        |                    |        |        |                     |        |        |             |        |        |
| Grand Total   | 4              |        |        | 13         |        |        |                    |        |        |                     |        |        | 17          |        |        |

# Incursions Report - Headline

**194** Incursions were recorded for March 2023

| Kind of Event   | Directorate    |            |                    |                     |             |
|---|----------------|------------|--------------------|---------------------|-------------|
|   | Major Projects | Operations | Outstations & ROCs | NH Offices & Depots | Grand Total |
| Incursion; Intentional - To seek benefit                    | 53             | 78         | 5                  | 1                   | 137         |
| Incursion; Intentional – Because of breakdown               | 5              | 1          |                    |                     | 6           |
| Incursion; Intentional – To seek information                |                |            |                    |                     |             |
| Incursion; Intentional - Breach of Rolling Road Block (TOS) |                |            |                    |                     |             |
| Incursion; Unintentional - Driver confused                  | 17             | 15         | 1                  |                     | 33          |
| Incursion; Unintentional - Follow in                        | 4              | 3          |                    |                     | 7           |
| Incursion; Unintentional - Result of accident               | 2              | 2          |                    |                     | 4           |
| Incursions; Intentional - Blue Light Incursion              |                | 3          |                    |                     | 3           |
| IPV Strike  | 1              | 3          |                    |                     | 4           |
| Grand Total   | 82             | 105        | 6                  | 1                   | 194         |

# Blue Light Incursions Report - Headline

**66** Blue Light Incursions have been recorded since February 2022 with **3** being recorded in March 2023 (Edited Record)

| Record ID | Date       | Time     | Directorate | Region                  | Programme                   | Site / Project | Type of Closure         | Type of TTM               | Location      | Specific Location             | Details of actual job being done                             | Describe the facts of what happened   | Immediate Actions Taken |
|-----------|------------|----------|-------------|-------------------------|-----------------------------|----------------|-------------------------|---------------------------|---------------|-------------------------------|--|---|-------------------------|
| 140017    | 17/03/2023 | 04:00:00 | Operations  | South West - Operations | South West - Area Contracts | Area 1 & 2     | Lane Closure - Mainline | Relaxation convoy working | Carriageway B | A30 Polyphant Junction 122/6B | Lane closure with convoy working for resurfacing activities. | Xxx called our night supervisor at 0409 to tell him the police had entered the closure approx. 100 meters after the convoy traffic lights! They then boxed in a car; several Police officers then smashed the window to drag the driver out of the car to arrest him, The police swept up the glass they had smashed, and apologised for the inconvenience and arranged recovery for the car they stopped. Police recovery arrived at 0515. xxx reported it didn't affect the convoy works or the resurfacing works<br><br>Police log 60170323. | Not Populated           |

# Blue Light Incursions Report - Headline

**66** Blue Light Incursions have been recorded since February 2022 with **3** being recorded in March 2023 (Edited Record)

| Record ID | Date       | Time     | Directorate | Region                  | Programme                 | Site / Project      | Type of Closure         | Type of TTM                     | Location      | Specific Location      | Details of actual job being done | Describe the facts of what happened  | Immediate Actions Taken    |
|-----------|------------|----------|-------------|-------------------------|---------------------------|---------------------|-------------------------|---------------------------------|---------------|------------------------|----------------------------------|--|----------------------------|
| 140453    | 27/03/2023 | 23:45:00 | Operations  | Midlands - Operations   | Midlands - Area Contracts | Area 7              | Lane Closure - Mainline | Relaxation works – Lane closure | Carriageway B | A1 Spital Road 139/3SB | Like for like VRS change         | Police car X5 with blue lights on, drove down lane one, bullied cars into TM lane two. Cars then pulled back out to live carriageway at 23:45 last night 27.03.2023. | Recorded and logged by TM. |
| 140454    | 15/03/2023 | 01:57:00 | Operations  | South East - Operations | South East - DBFO         | DBFO - M25 (Area 5) | Not populated           | Not populated                   | Not populated | Not populated          | Road closure                     | A Police car use the turn round route from M4A to M25A, cut through the cone instead of use the proper work exit   | Nothing                    |

# IPV Strike Report - Headline

**72** IPV strikes have been recorded since October 2019 with **4** being recorded in March 2023 (Edited Record)

| Record ID | Date       | Time     | Directorate | Region                  | Programme                   | Site / Project | Type of Closure         | Type of TTM                     | Location      | Specific Location | Details of actual job being done   | Describe the facts of what happened   | Immediate Actions Taken |
|-----------|------------|----------|-------------|-------------------------|-----------------------------|----------------|-------------------------|---------------------------------|---------------|-------------------|--|---|-------------------------|
| 139583    | 07/03/2023 | 03:06:00 | Operations  | North West - Operations | North West - Area Contracts | Area 13        | Lane Closure - Mainline | Relaxation works – Lane closure | Carriageway B | M6 J41-J40 448/8  | TMC were closing the temporary signage (3 lane wickets) from the nights closure. The temporary signs remain in place in case of any incident requiring further TM layouts)<br>The TMC were closing the sign (folding 3 lane wicket) when a white van clipped the crash cushion. The white van did not slow down or stop. The TSCO called the Police (ref 12) | The TMC had completed their works for the shift. The only job left to do was to close the AWS. This was completed after the incident. |                         |

# IPV Strike Report - Headline

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| Record ID | Date       | Time     | Directorate    | Region                | Programme             | Site / Project          | Type of Closure         | Type of TTM                     | Location      | Specific Location                     | Details of actual job being done | Describe the facts of what happened  | Immediate Actions Taken          |
|-----------|------------|----------|----------------|-----------------------|-----------------------|-------------------------|-------------------------|---------------------------------|---------------|---------------------------------------|----------------------------------|--|----------------------------------|
| 140014    | 17/03/2023 | 02:45:00 | Major Projects | East - Major Projects | East - SMP            | MP-0147 - M1 J13 to J16 | Not populated           | Not populated                   | Not populated | Not populated                         | Removing TM closure              | IPV strike at 02:45 on Friday 17th March, whilst removing a closure. IPV driver sustained no injuries, the driver of the third-party vehicle was assessed by an ambulance due to hitting their head and was then removed from the scene by the emergency services. | Not Populated                    |
| 140027    | 17/03/2023 | 02:45:00 | Operations     | East - Operations     | East - Area Contracts | Area 6 & 8              | Lane Closure - Mainline | Relaxation works – Lane closure | Carriageway A | M1 Between J13-14 Northbound (A) 78/5 | Removal of Lane 1 & 2 closure    | IPV deployed in lane 1 during removal of lead taper. IPV was struck by a member of public in his vehicle. Costain TSCO, Police and ambulance on scheme attending gentlemen from vehicle.   | Investigation being carried out. |



# IPV Strike Report - Headline

**72** IPV strikes have been recorded since October 2019 with **4** being recorded in March 2023 (Edited Record)

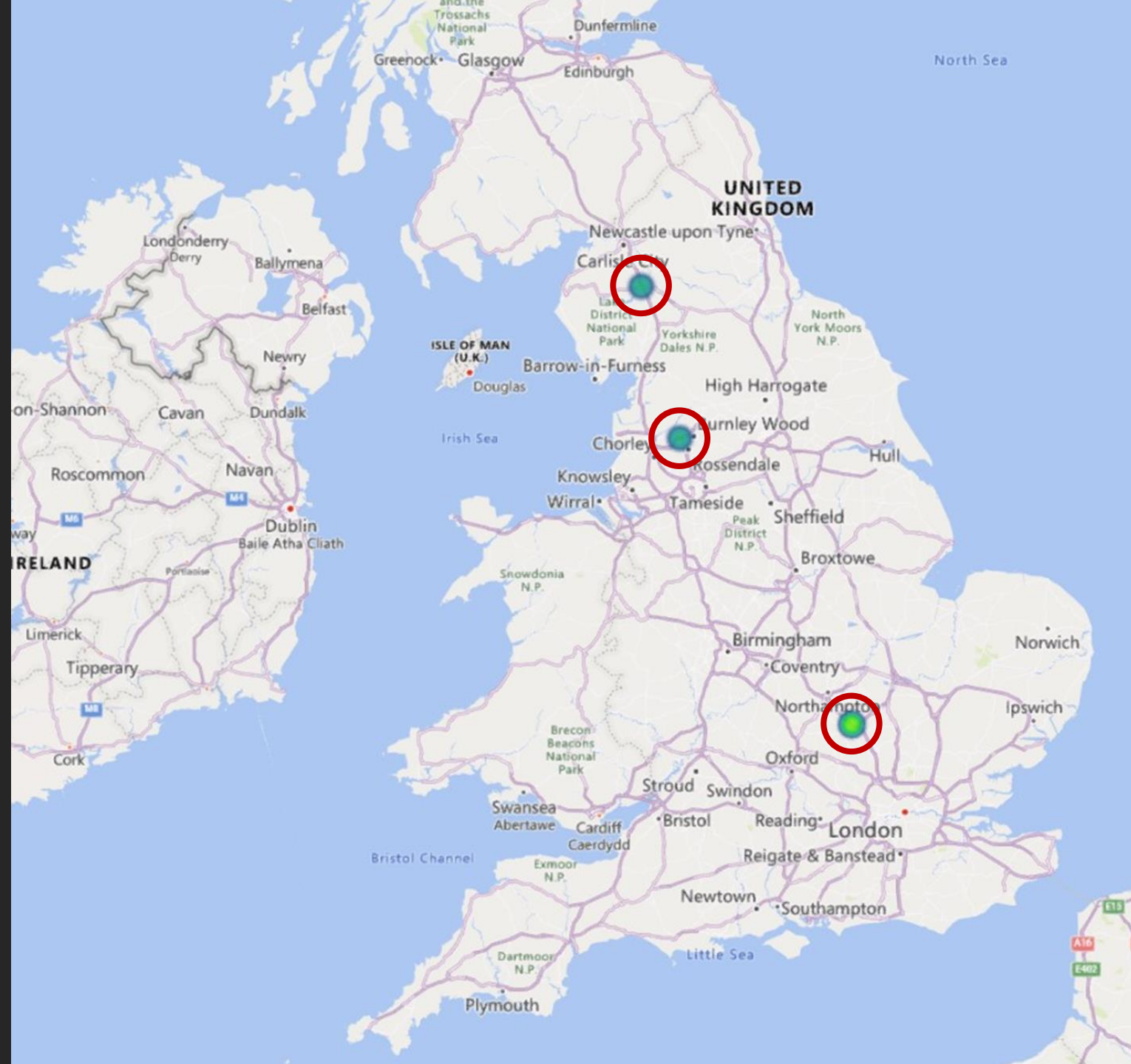
| Record ID | Date       | Time     | Directorate | Region                  | Programme                   | Site / Project | Type of Closure          | Type of TTM                                    | Location      | Specific Location               | Details of actual job being done   | Describe the facts of what happened   | Immediate Actions Taken |
|-----------|------------|----------|-------------|-------------------------|-----------------------------|----------------|--------------------------|--|---------------|---------------------------------|--|---|-------------------------|
| 140507    | 28/03/2023 | 21:08:00 | Operations  | North West - Operations | North West - Area Contracts | Area 10        | Full Closure - Slip Road | Relaxation works – Slip link side road closure | Carriageway A | M65 between J7+J8 MP23/4-MP28/8 | <b>Planned closure-M65 Eastbound, Lane 1-2 MP23/4 – MP28/8 Splitter at Jcn8 exit slip Total closure Jcn8 Entry slip NOMS 304131 Log no3079</b> | Taper strike White VW Golf reg HK18 ZTH Damaged 9no cones on taper Reported by TMF that While approaching taper the vehicle passed the IPV up inside in lane2 at approx. 100+mph then hit the Taper cones, vehicle exited M65 via Jcn8 exit slip, stopped at bottom of slip rd to assess damage to his vehicle, when the IVP pulled up behind driver quickly drove off. | Not Populated           |

# Mobile Carriageway Closure (by Contractor) - EMCC

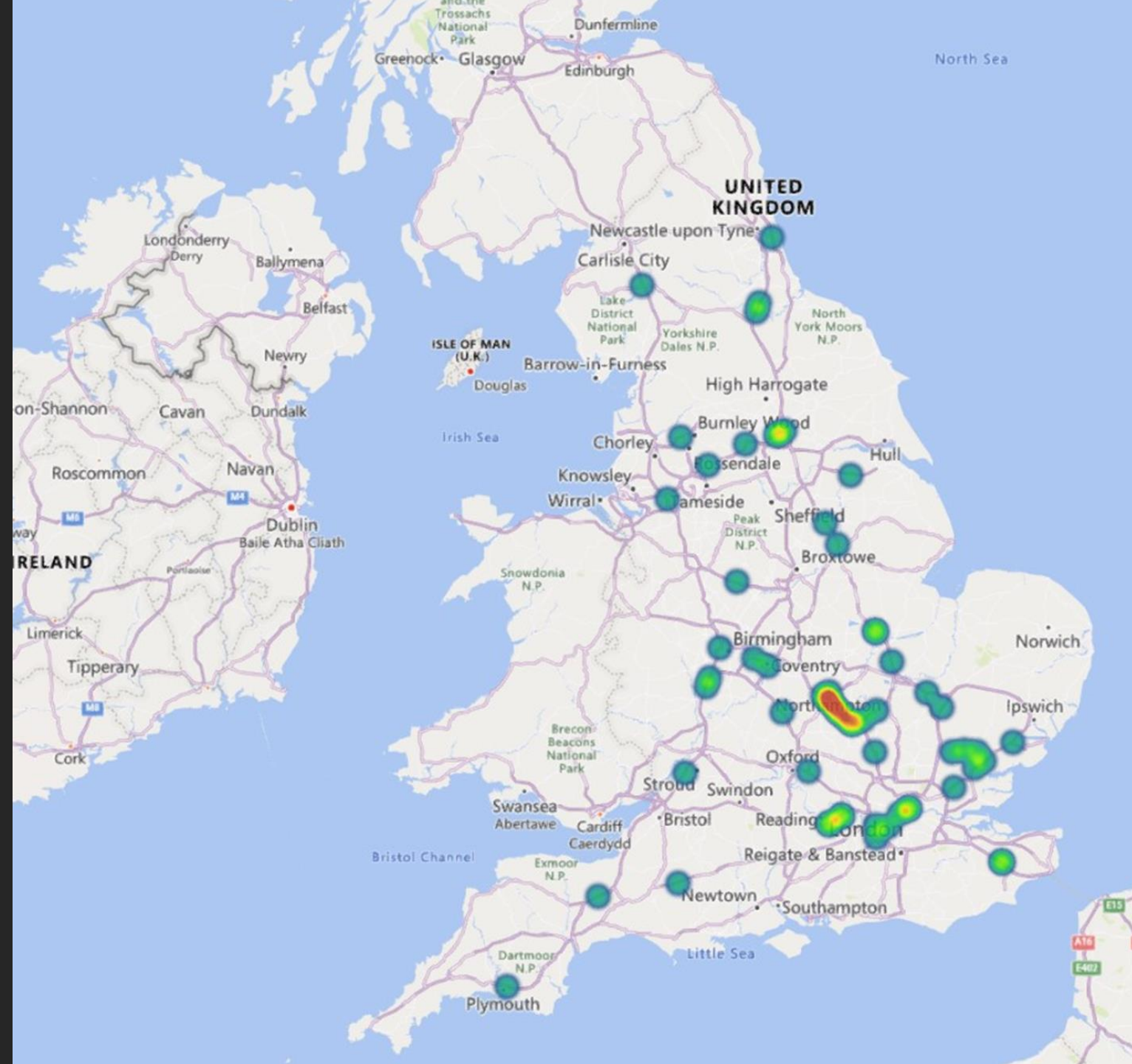
**3** incursions have been recorded since November 2022 with **1** being recorded in March 2023 (Edited Record)

| Record ID | Date       | Time     | Directorate | Region                              | Programme                               | Site / Project                        | Road classification | Type of TTM              | Incursion type                             | Vehicle registration                |
|-----------|------------|----------|-------------|-------------------------------------|---|---------------------------------------|---------------------|--------------------------|--|-------------------------------------|
| 135359    | 19/11/2022 | 00:30:00 | Operations  | South East - Operations             | South East - DBFO                       | DBFO - M25 (Area 5)                   | Not populated       | Full Closure - Slip Road | Incursion; Intentional - To seek benefit   | Vehicle 'Registration' not recorded |
| 137305    | 24/01/2023 | 00:10:00 | Operations  | Yorkshire & North East - Operations | Yorkshire & North East - Area Contracts | Area 12                               | Not populated       | Lane Closure - Mainline  | Incursion; Intentional - To seek benefit   | Vehicle 'Registration' not recorded |
| 139987    | 14/03/2023 | 22:45:00 | Operations  | South West - Operations             | South West - DBFO                       | DBFO - A30 / A35 Exeter to Bere Regis | Not populated       | Full Closure - Mainline  | Incursion; Unintentional - Driver confused | NC03 HJG                            |

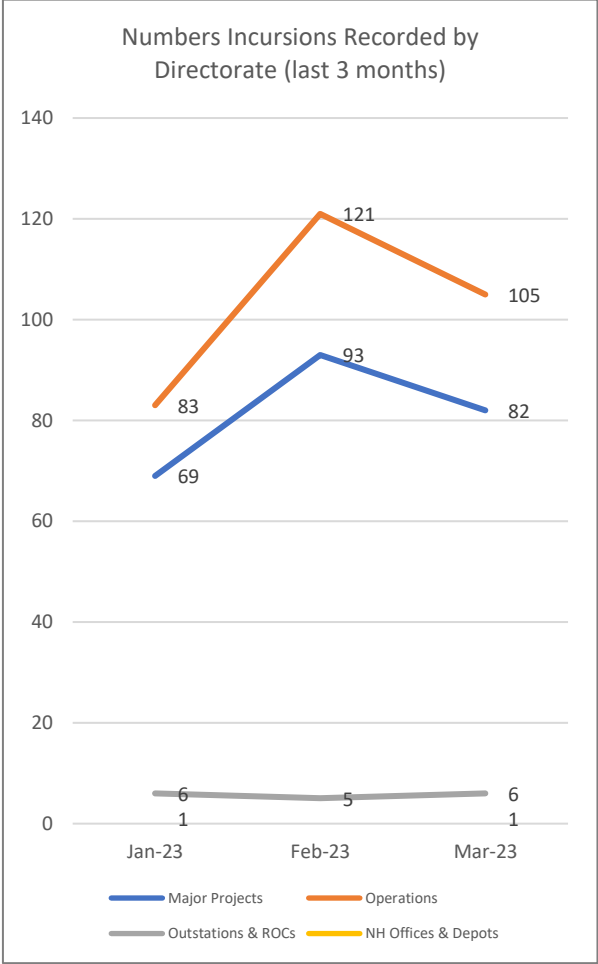
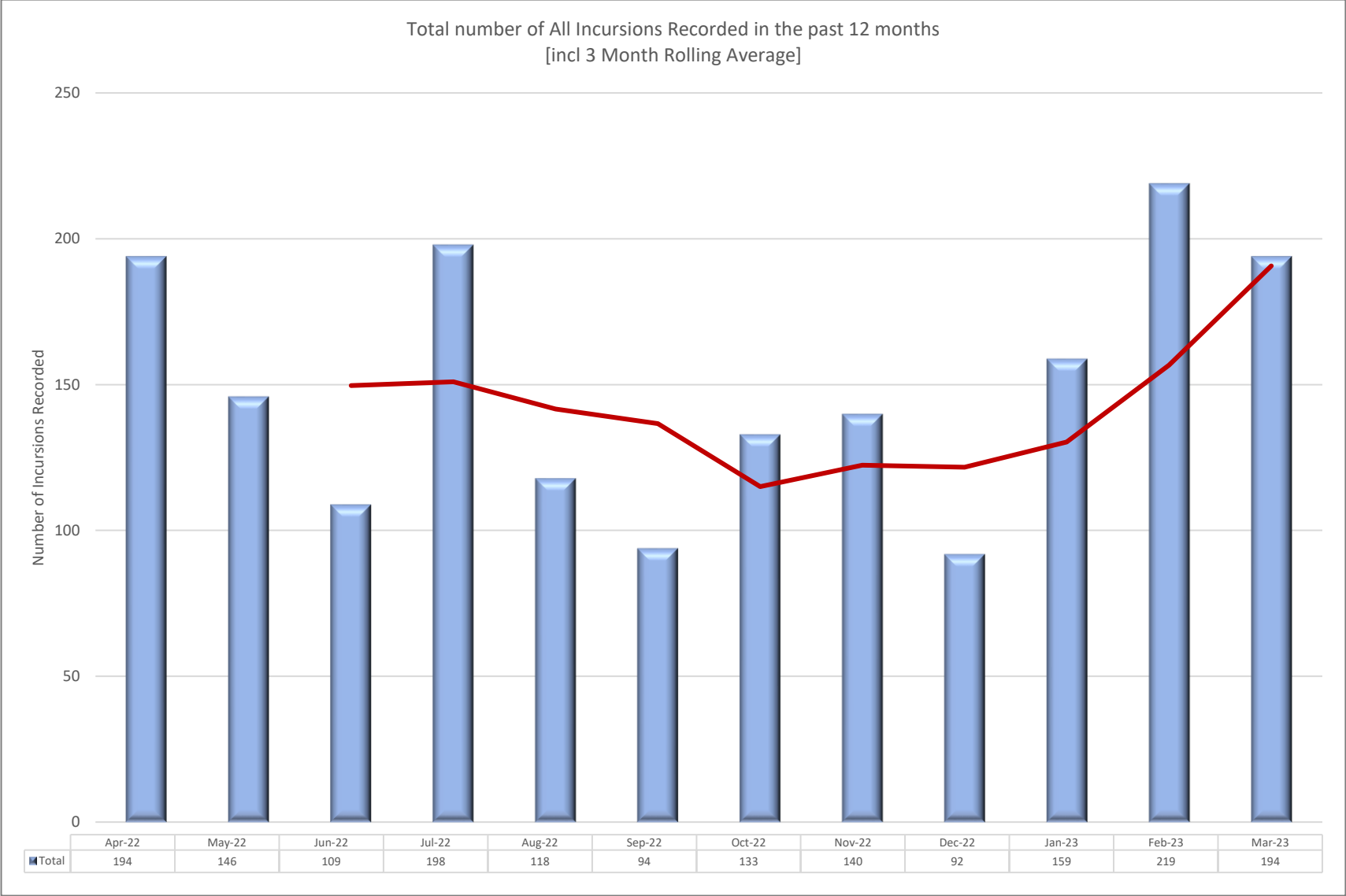
# Heatmap of IPV Strikes recorded during March 23



# Heatmap of all IPV Strikes recorded

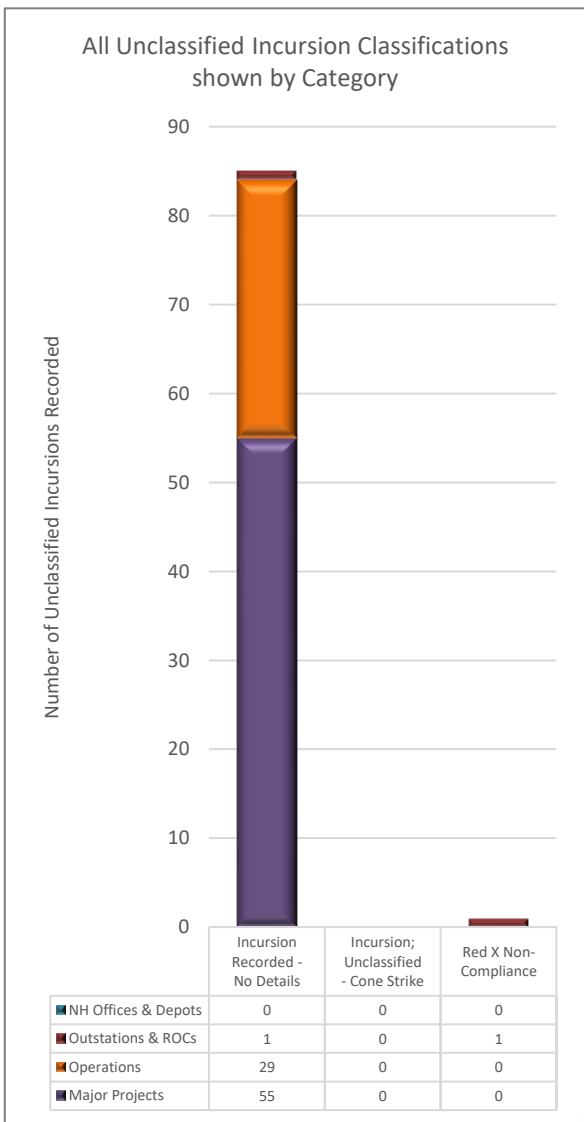
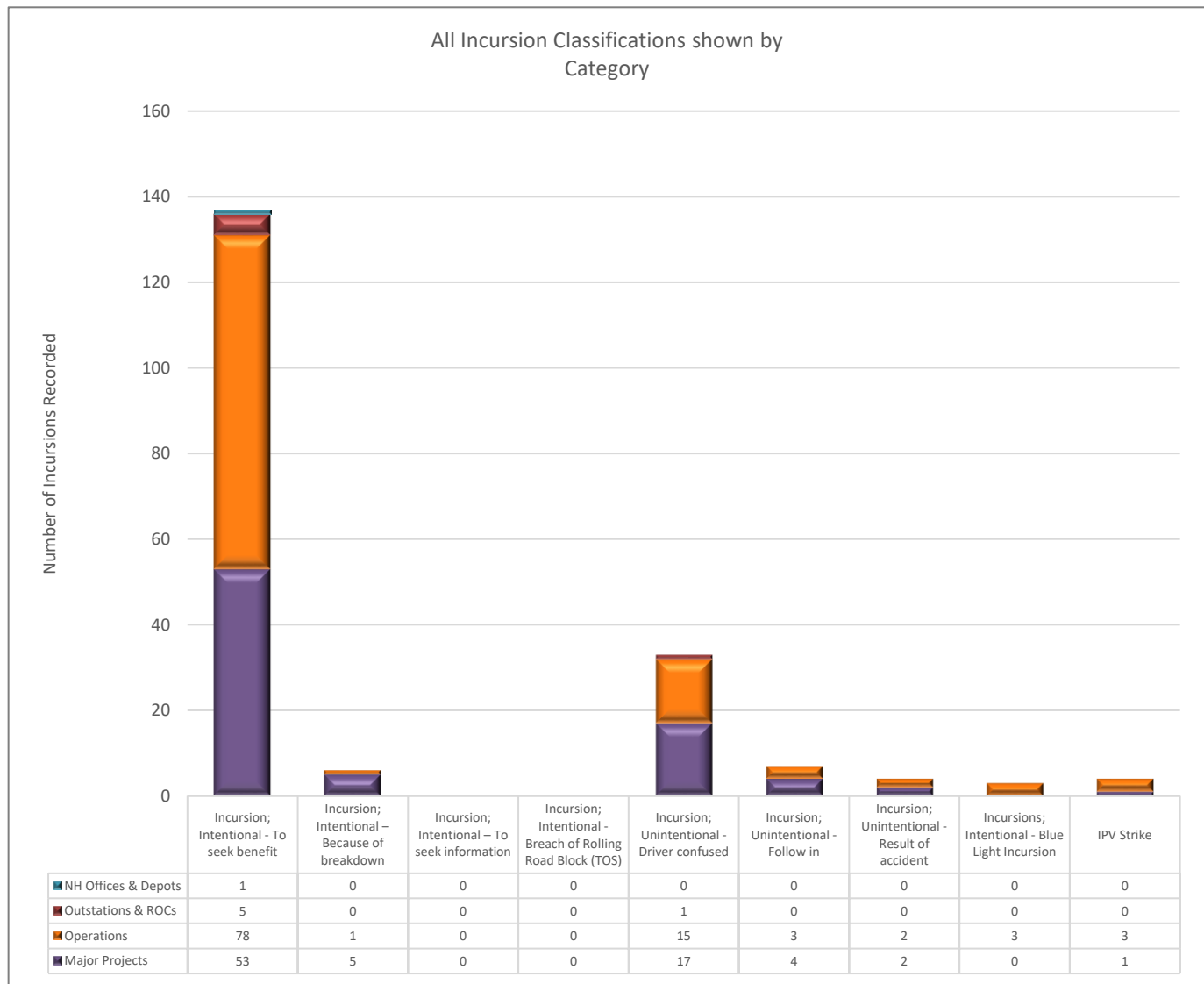


# Incursions Report – All Incursions





# Incursions Report – All Incursions during March 23



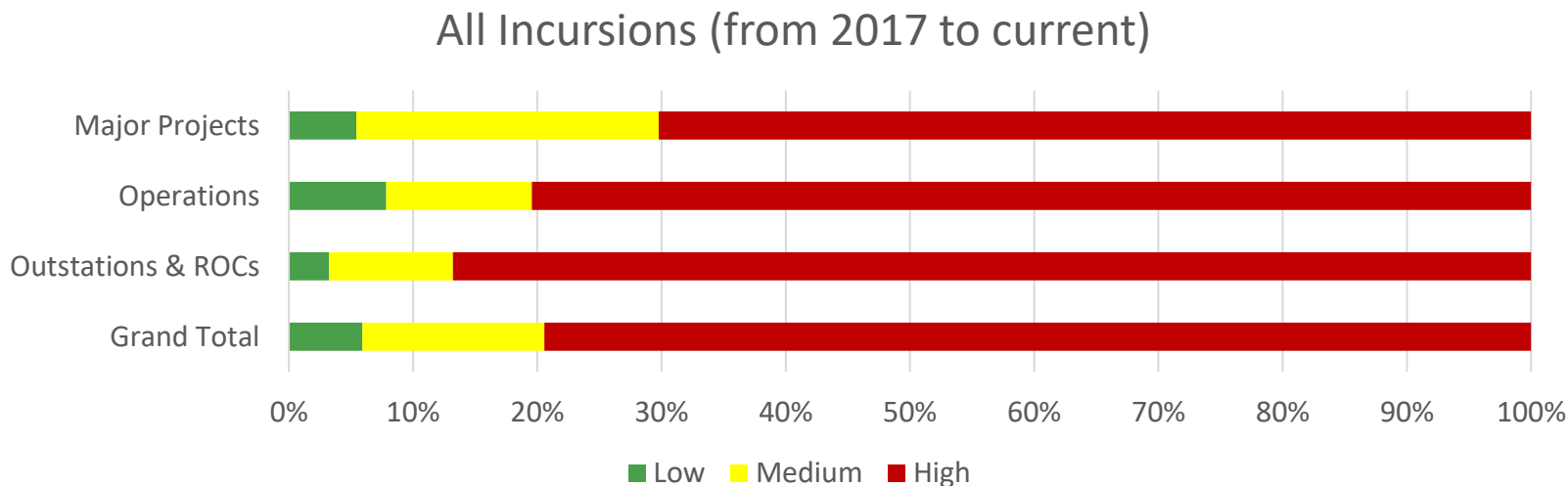
Top incursions categories for this month (across all directorates):

1. Incursion; Intentional - To seek benefit [137]
2. Incursion; Unintentional - Driver confused [33]
3. Incursion; Unintentional - Follow in [7]
4. Incursion; Unintentional - Result of accident [4]
5. IPV Strike [4]
6. Incursions; Intentional - Blue Light Incursion [3]
7. Incursion; Intentional – To seek information [0]
8. Incursion; Intentional - Breach of Rolling Road Block (TOS) [0]

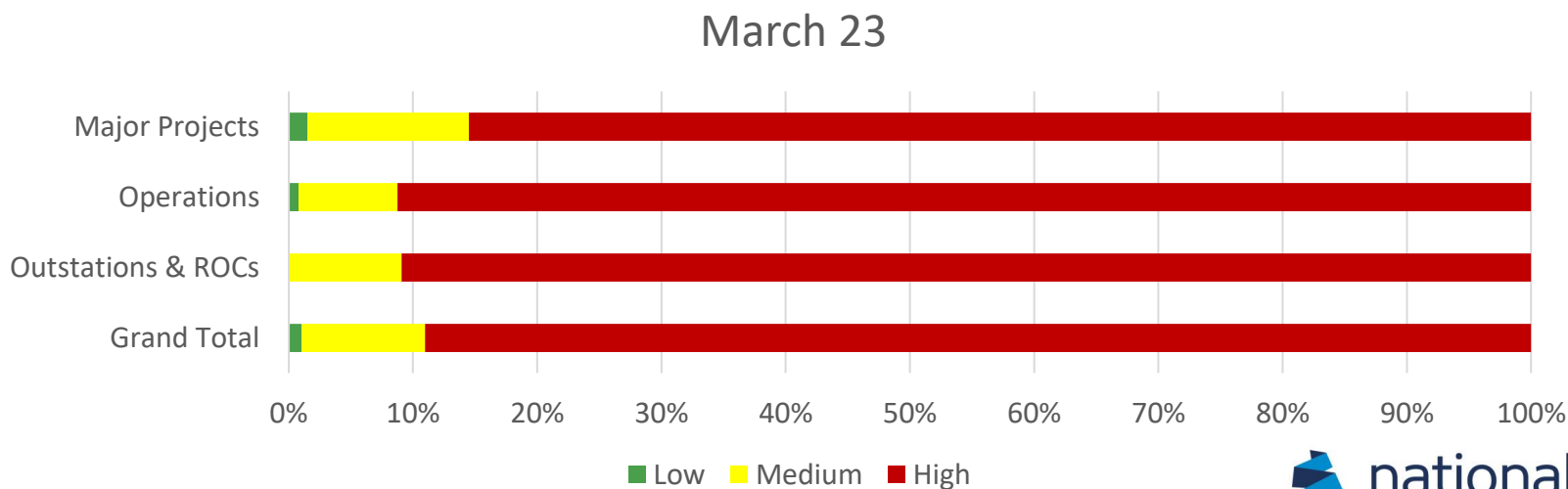
Note - Incursion; Intentional – Because of breakdown [6]

# Incursions Report – Overall Risk Ratings

Overall Risk Ratings of all incursions recorded since October 2017



In month Risk Ratings of all incursions recorded in month



# Incursions Report - Headline

Table shows the average number of incursions recorded by directorate and type in the past 12-month period.

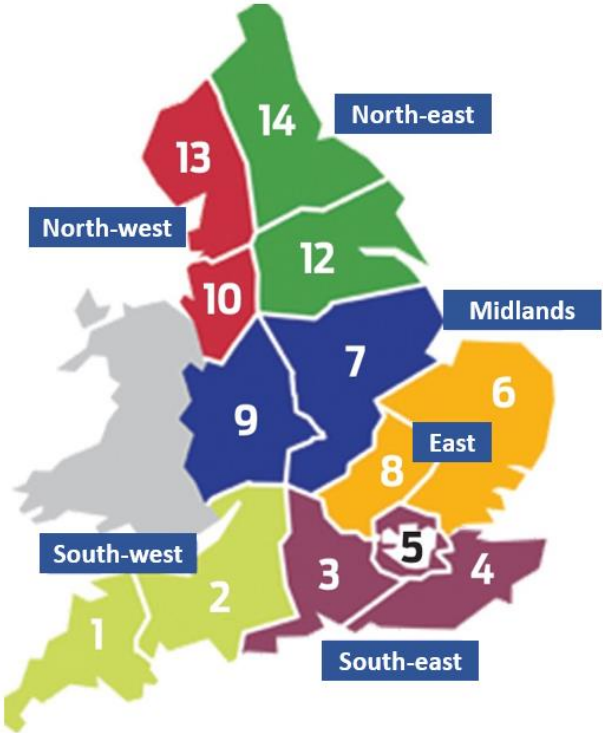
| Incursion Category  | Directorate    |            |                    | Comments   |
|---|----------------|------------|--------------------|--|
|   | Major Projects | Operations | Outstations & ROCs |  |
| Incursion; Intentional - To seek benefit                    | 24.33          | 35.17      | 2.17               | To 'Seek Benefit' incursions is higher in Operations   |
| Incursion; Intentional – To seek information                | 0.92           | 0.92       | 0.00               | To 'Seek Information' incursions has increased from the previous month in Operations                             |
| Incursion; Intentional – Because of breakdown               | 41.17          | 3.33       | 0.25               | 'Breakdowns' is substantially higher in Major Projects (due to the number of long-term closures being installed) |
| Incursion; Intentional - Breach of Rolling Road Block (TOS) | 0.25           | 0.25       | 0.75               |  |
| Incursion; Unintentional - Driver confused                  | 12.42          | 9.50       | 1.50               | 'Driver Confused' incursions is higher in Major Projects then it is in Operations                                |
| Incursion; Unintentional - Follow in                        | 1.75           | 2.42       | 0.17               | 'Follow in' incursions is higher in Operations then it is in Major Projects                                      |
| Incursion; Unintentional - Result of accident               | 2.92           | 1.42       | 0.33               | 'Result of an Accident' incursions is higher in Major Projects then it is in Operations                          |
| IPV Strike  | 0.50           | 1.50       | 0.25               | 'IPV Strike' is higher in Operations   |
| Incursions; Intentional – Blue Light Incursion              | 2.50           | 2.75       | 0.00               | 'Blue Light' incursions is slightly higher in Operations   |



# Incursions Report for Major Projects

## Incursions recorded by Region

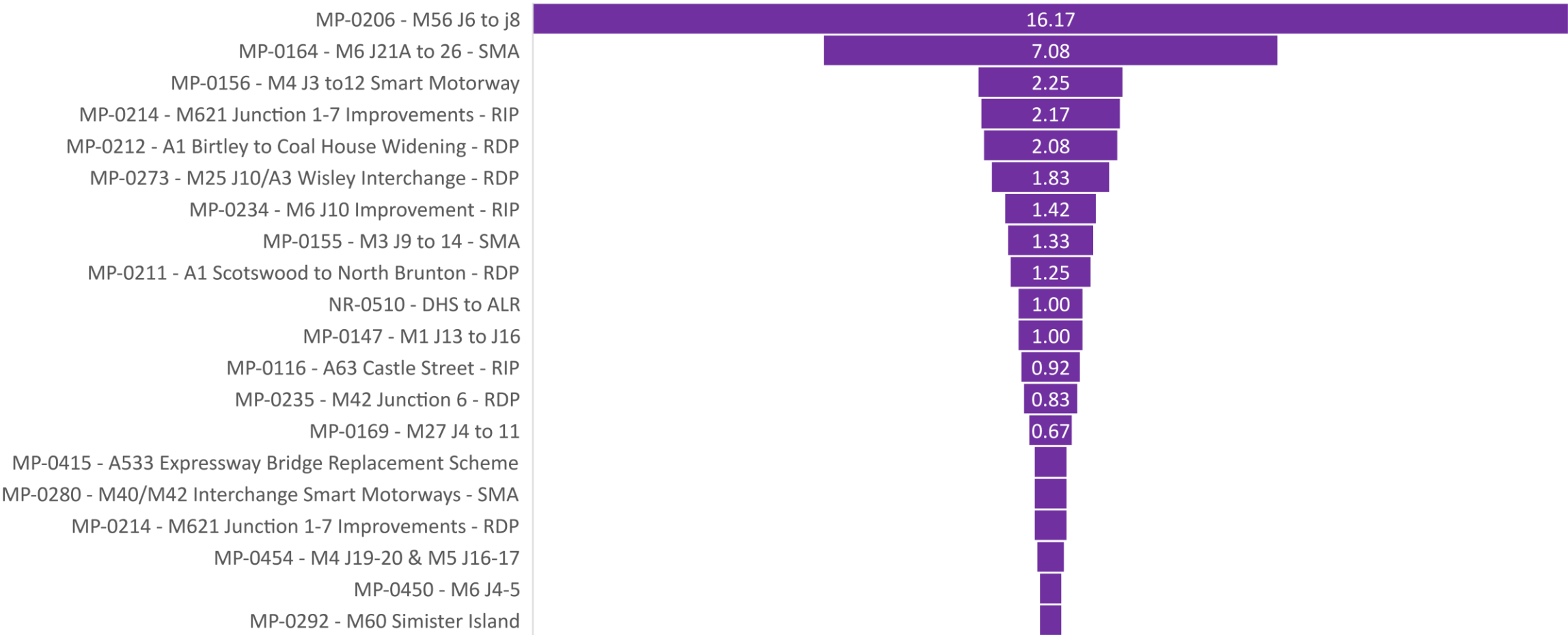
| Rolling 6 Month totals of All Incursion<br><i>as recorded by Regions &amp; ranked in order</i> | Total |
|--|-------|
| North West - Major Projects  | 274   |
| Yorkshire & North East - Major Projects  | 67    |
| Midlands - Major Projects  | 37    |
| South East - Major Projects  | 35    |
| East - Major Projects  | 17    |
| South West - Major Projects  | 6     |



| In Month<br>Incursion Figures by Region and<br>by Incursion Type | Incursion Categories |                  |                                   |                 |           |                    |            |                      |                      | Total |
|--|----------------------|------------------|-----------------------------------|-----------------|-----------|--------------------|------------|----------------------|----------------------|-------|
|  | Seek Benefit         | Seek Information | Breach of Rolling Roadblock (TOS) | Driver confused | Follow-In | Result of accident | IPV Strike | Blue Light Incursion | Because of Breakdown |       |
| North West - Major Projects                                      | 48                   | 0                | 0                                 | 8               | 2         | 0                  | 0          | 0                    | 1                    | 59    |
| Yorkshire & North East - Major Projects                          | 2                    | 0                | 0                                 | 3               | 0         | 0                  | 0          | 0                    | 4                    | 9     |
| Midlands - Major Projects  | 2                    | 0                | 0                                 | 2               | 0         | 1                  | 0          | 0                    | 0                    | 5     |
| South West - Major Projects                                      | 0                    | 0                | 0                                 | 3               | 0         | 1                  | 0          | 0                    | 0                    | 4     |
| South East - Major Projects                                      | 1                    | 0                | 0                                 | 1               | 2         | 0                  | 0          | 0                    | 0                    | 4     |
| East - Major Projects  | 0                    | 0                | 0                                 | 0               | 0         | 0                  | 1          | 0                    | 0                    | 1     |

# Incursions Report for Major Projects

12 month rolling average of the number of all 'Incursions per Month'\*



• Excluding incursions as a result of breakdown  
• Duplicate scheme names are as a result of the change from Airsweb to HART

# Incursions Report for Major Projects

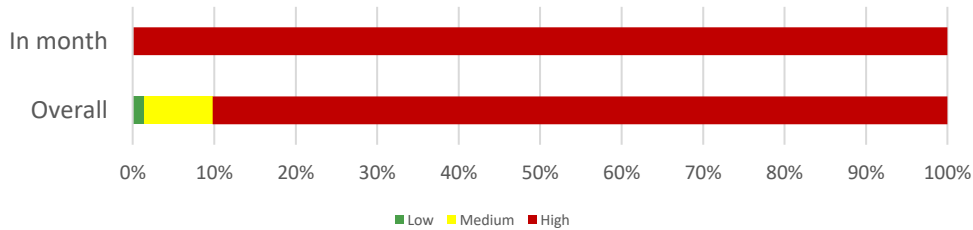
## 3 Month Incursion analysis

- MP-0206 - M56 J6 to J8 - SMA; ; a total of 47 incursions have been recorded with a 10% decrease in 'Seeking Benefit' type incursions [see note]
- Bottom left – Project Incursion Risk Rating with 'In-month' rating being worse than the 'Overall' rating & incursion rate per length of TM
- Bottom middle – Time profile for 'Seeking Benefit' incursion types
- Bottom right – localised heatmap of 'Seeking Benefit' incursion types

Type of Roadworks: Not Populated

Type of TTM: Not Populated / Standard works (Narrow Lane system incl slips & links)

## Project Risk Rating

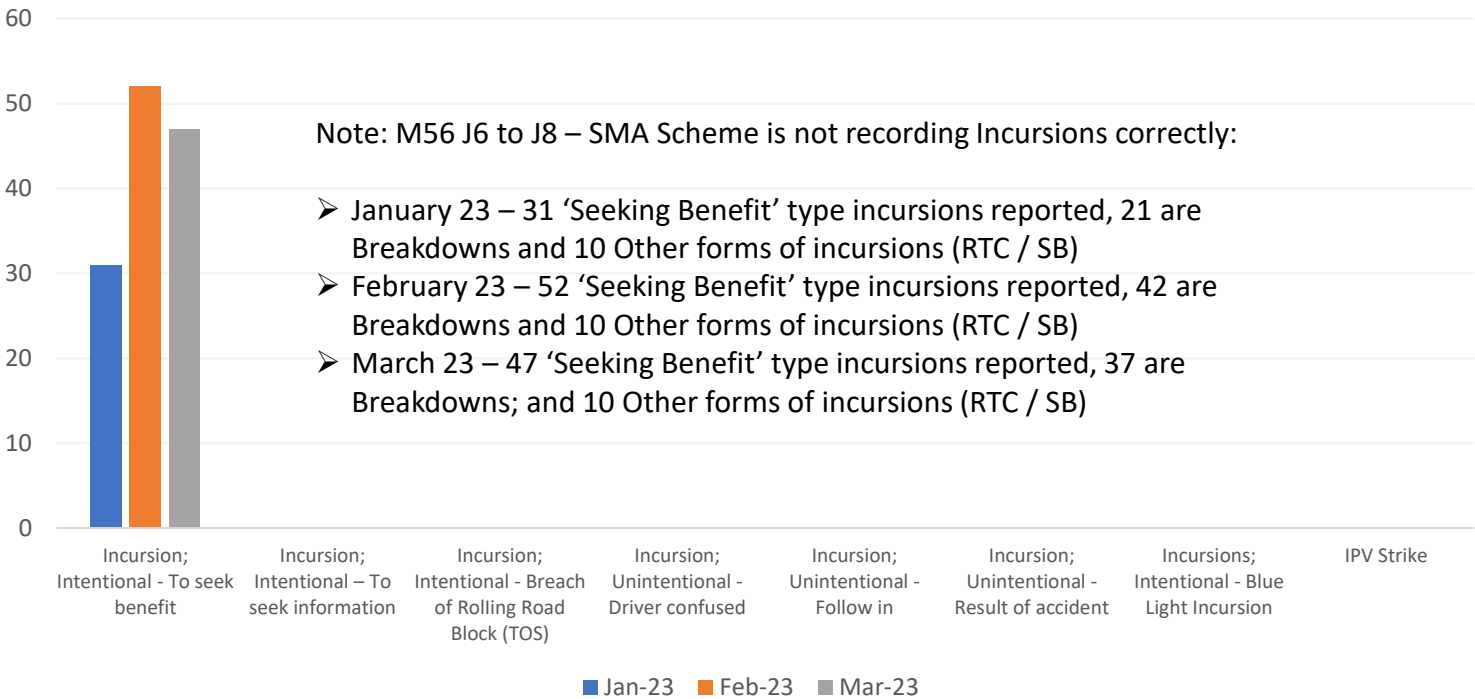


## Incursion rate per length of TM (15.00 km)

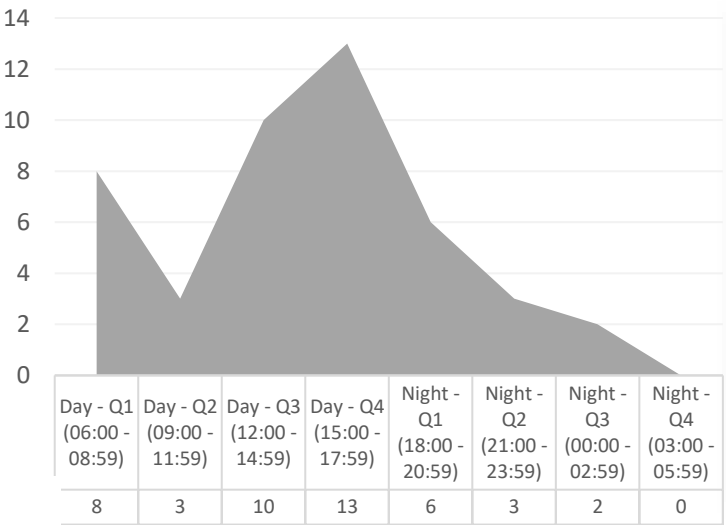
Project Incursion Rate: 22.40 incursions/km or 36.04 incursions/miles

Breakdown Rate: 30.80 incidents/km or 49.56 incidents/miles

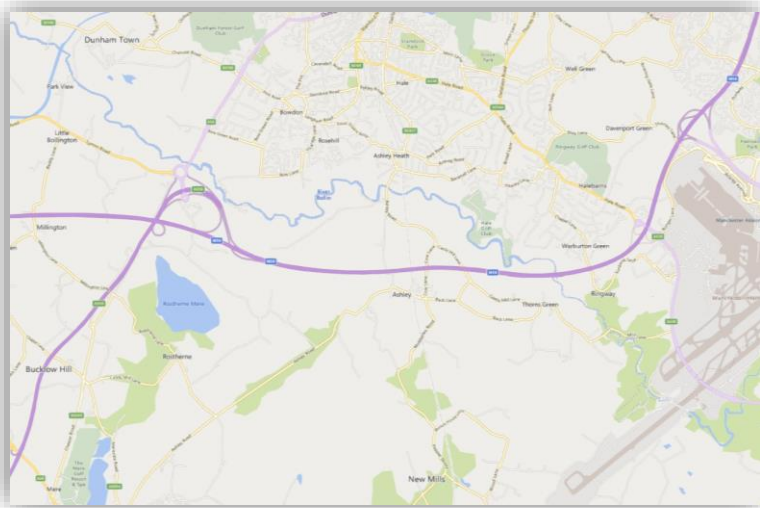
## MP-0206 - M56 J6 to J8



## Time Profile of Incursions recorded



## Heatmap



# Incursions Report for Major Projects

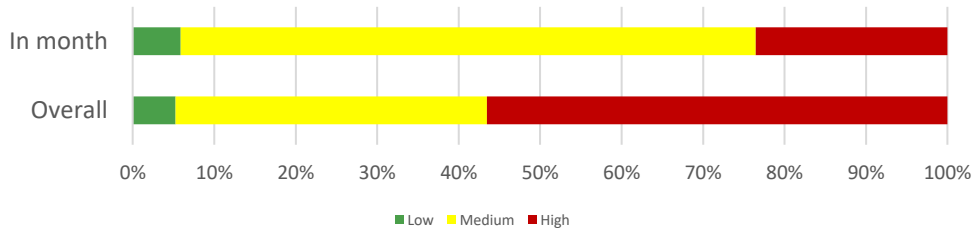
## 3 Month Incursion analysis

- MP-0164 - M6 J21A to 26 - SMA; a total of 8 incursions have been recorded with a 100% increase in 'Seeking Benefit' type incursions, a 100% increase in 'Follow In' and a 20% increase in 'Driver Confused' type incursions
- Bottom left – Project Incursion Risk Rating with 'In-month' rating being worse than the 'Overall' rating & incursion rate per length of TM
- Bottom middle – Time profile for 'Driver Confused' incursion type
- Bottom right – localised heatmap of 'Driver Confused' incursion type

Type of Roadworks: Not Populated

Type of TTM: Not Populated / Standard works (Narrow Lane system incl slips & links)

## Project Risk Rating

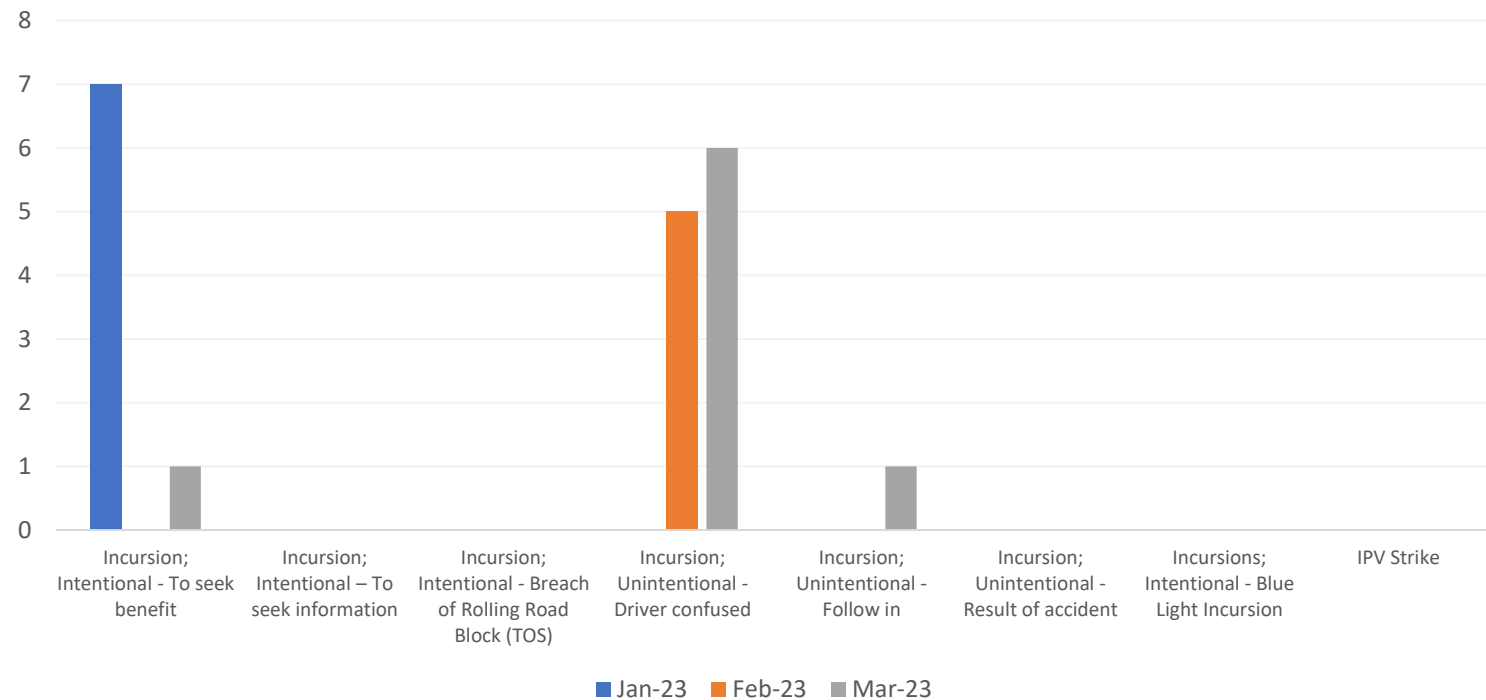


## Incursion rate per length of TM (15.00 km)

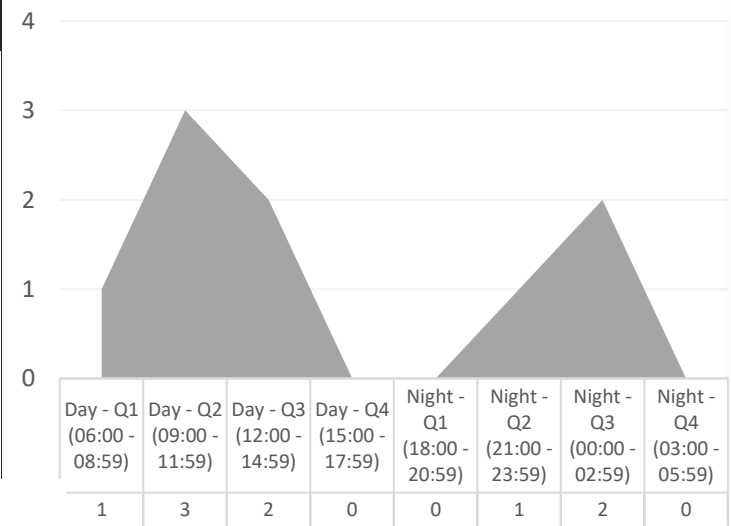
Project Incursion Rate: 4.20 incursions/km or 6.76 incursions/miles

Breakdown Rate: 1.00 incidents/km or 1.61 incidents/miles

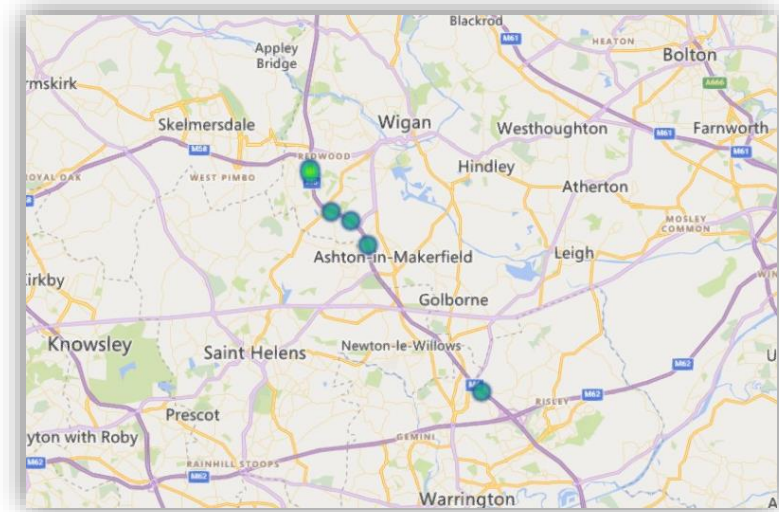
## MP-0164 - M6 J21A to 26 - SMA



## Time Profile of Incursions recorded



## Heatmap



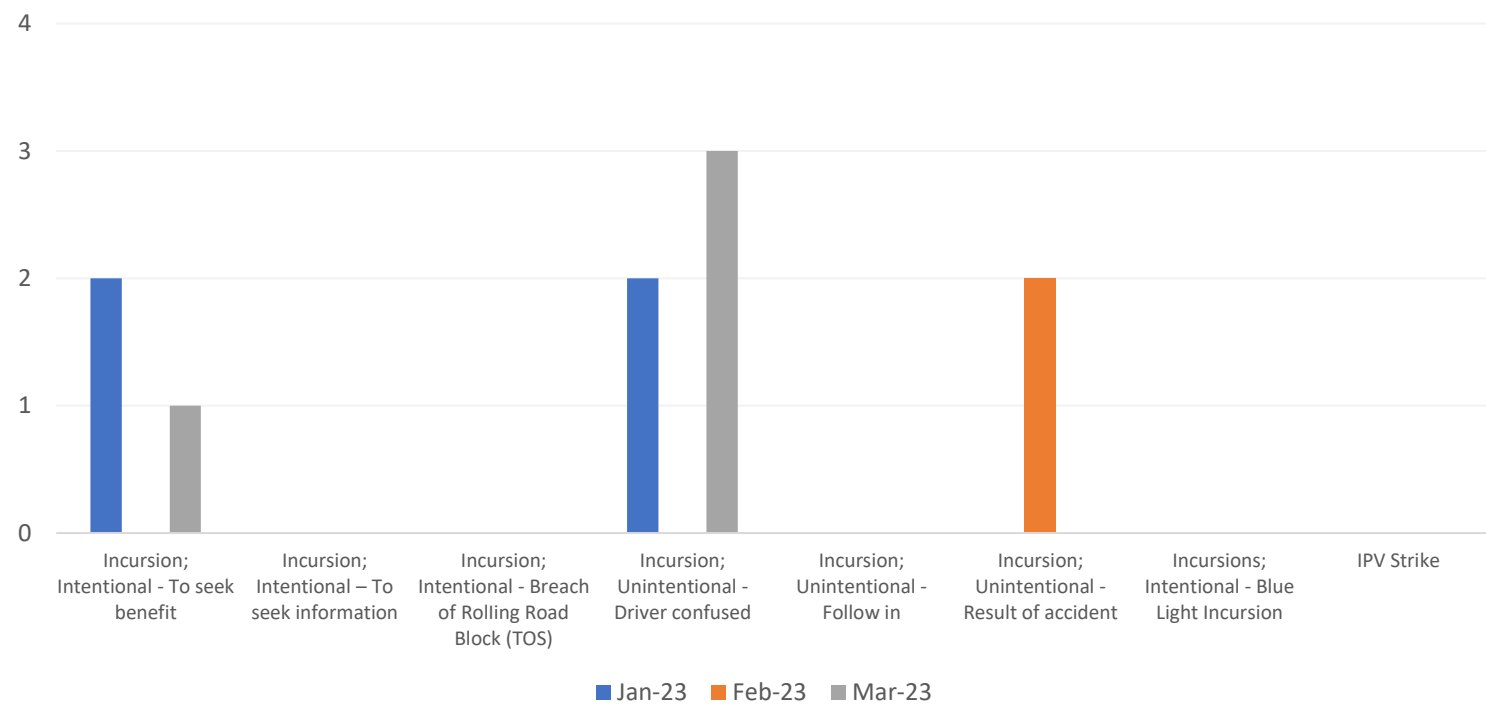
# Incursions Report for Major Projects

## 3 Month Incursion analysis

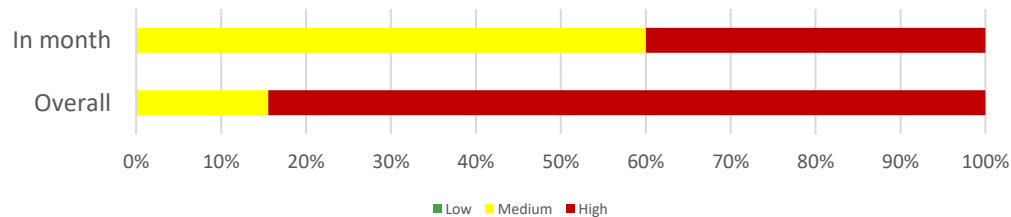
- MP-0214 - M621 Junction 1-7 Improvements - RDP; a total of 4 incursions have been recorded with a 300% increase in 'Driver confused' type incursions and a 100% increase in 'Seeking Benefit' type incursions
  - Bottom left – Project Incursion Risk Rating with 'In-month' rating being worse than the 'Overall' rating & incursion rate per length of TM
  - Bottom middle – Time profile for 'Driver Confused' incursion types
  - Bottom right – localised heatmap of 'Driver Confused' incursion types

Type of Roadworks: Not Populated / Lane Closures (mainline)  
Type of TTM: Not Populated / Hard shoulder closures

MP-0214 - M621 Junction 1-7 Improvements



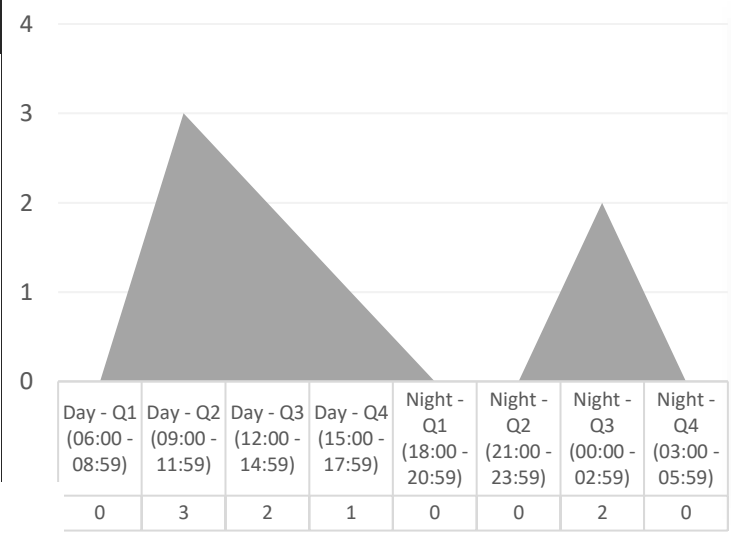
## Project Risk Rating



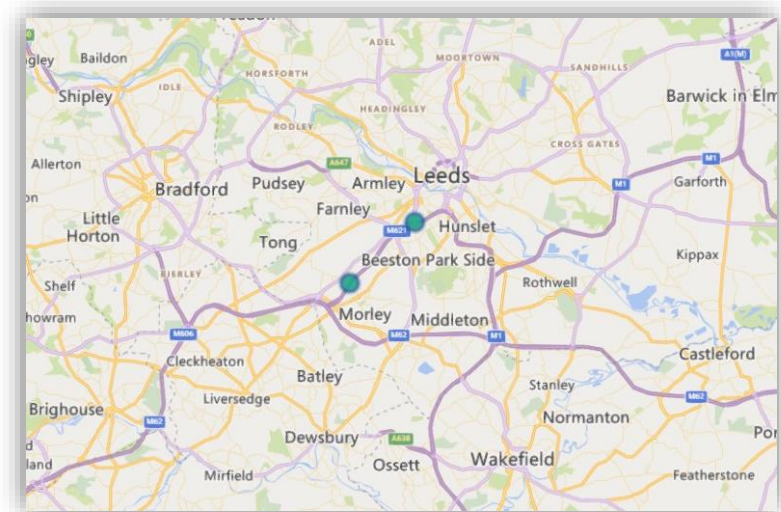
## Incursion rate per length of TM (4.8km)

Project Incursion Rate: 5.42 incursions/km or 8.72 incursions/miles  
Breakdown Rate: 6.25 incidents/km or 10.06 incidents/miles

Time Profile of Incursions recorded



Heatmap





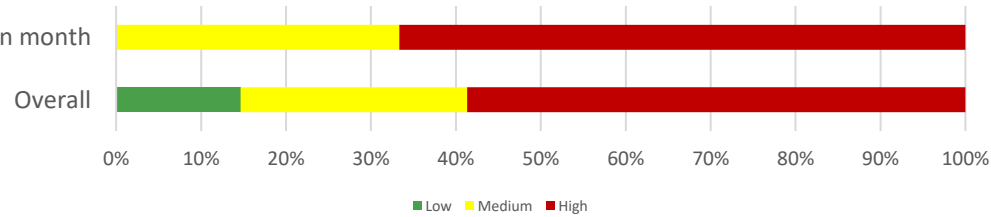
# Incursions Report for Major Projects

## 3 Month Incursion analysis

- MP-0280 - M40/M42 Interchange Smart Motorways - SMA; a total of 4 incursions have been recorded with a 200% increase in 'Driver confused' type incursions and 100% increase in 'Result of accident' and no change in 'seeking Benefit' type incursions
- Bottom left – Project Incursion Risk Rating with 'In-month' rating being worse than the 'Overall' rating & incursion rate per length of TM
- Bottom middle – Time profile for 'Driver Confused' incursion types
- Bottom right – localised heatmap of 'Driver Confused' incursion types

Type of Roadworks: Full Closure / Lane Closures (mainline)  
Type of TTM: Not Populated / Hard shoulder closures

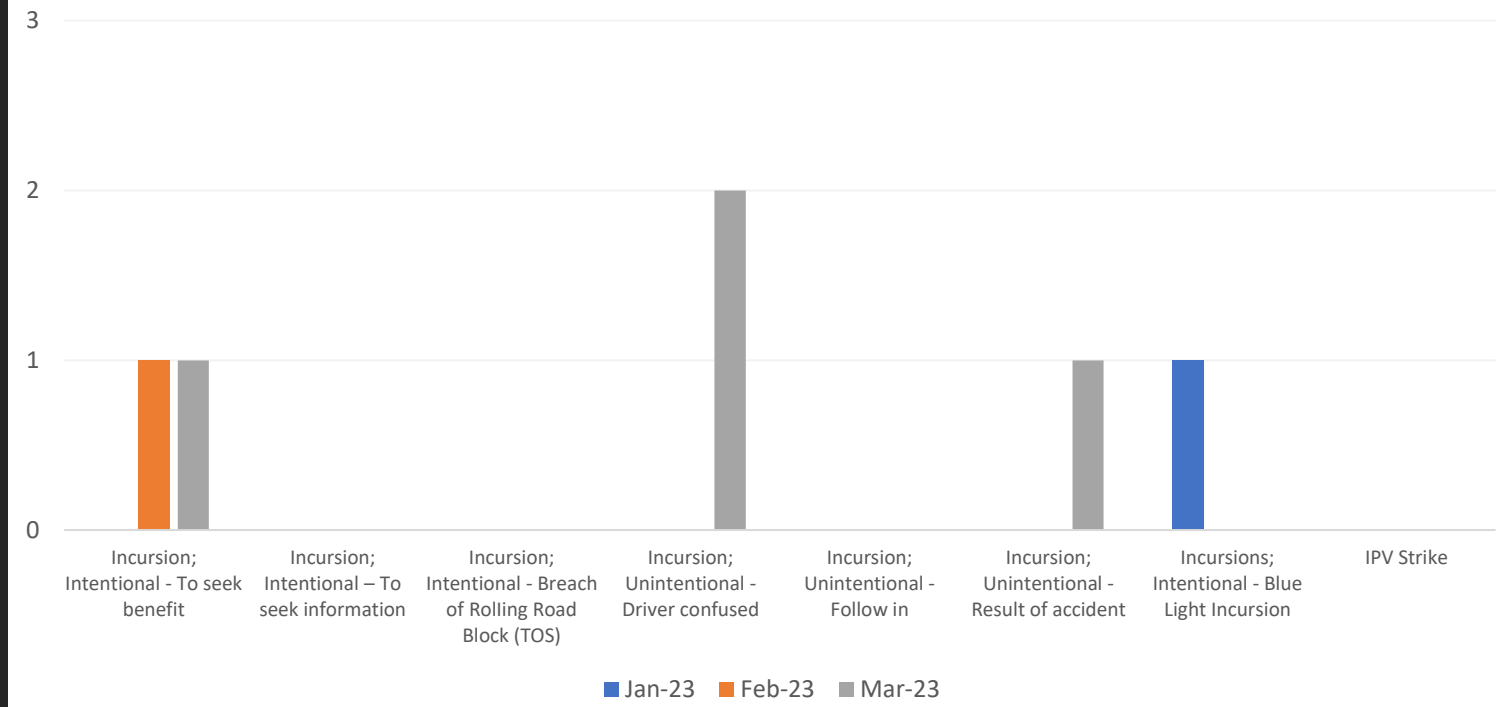
## Project Risk Rating



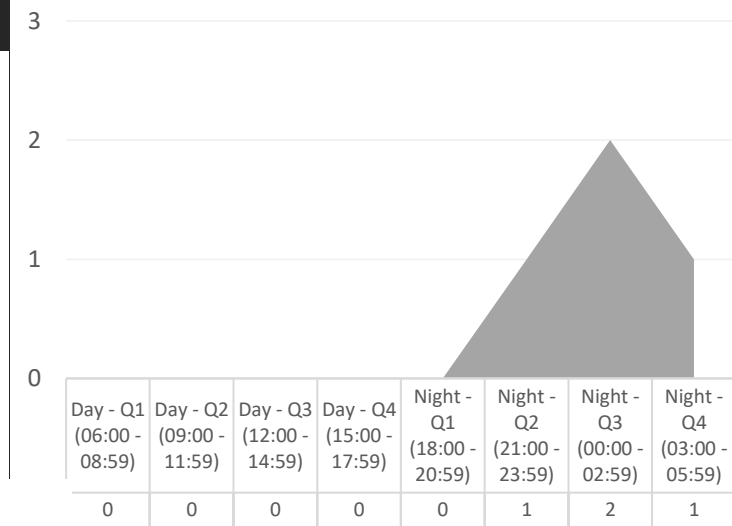
## Incursion rate per length of TM (TM Length required)

Project Incursion Rate: TM Length required  
Breakdown Rate: TM Length required

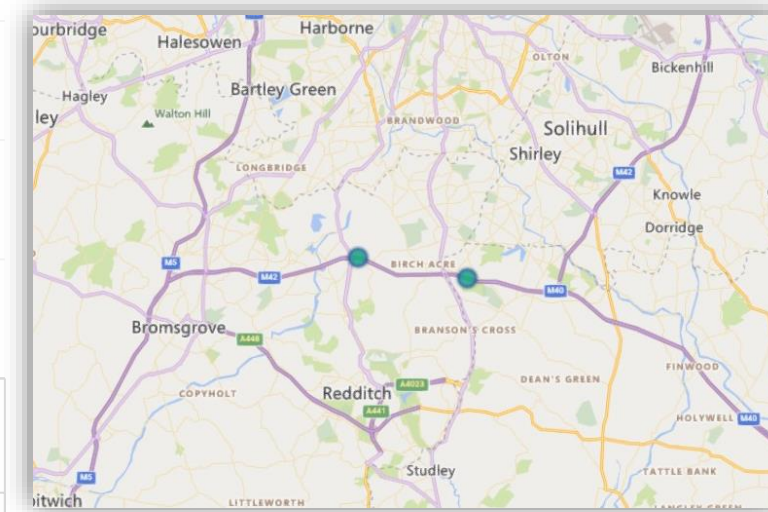
## MP-0280 - M40/M42 Interchange Smart Motorways - SMA



## Time Profile of Incursions recorded



## Heatmap



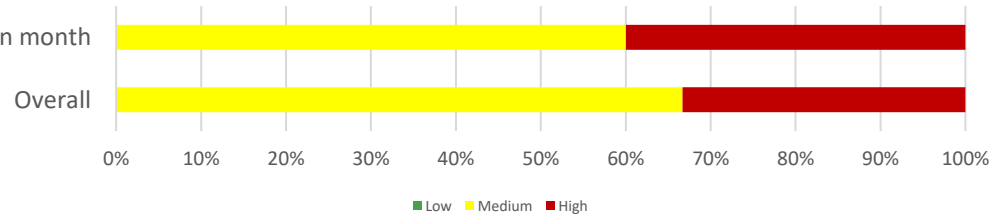
# Incursions Report for Major Projects

## 3 Month Incursion analysis

- MP-0454 - M4 J19-20 & M5 J16-17; a total of 4 incursions have been recorded with a 200% increase in 'Driver confused' type incursions and 100% increase in 'Result of accident'
- Bottom left – Project Incursion Risk Rating with 'In-month' rating being worse than the 'Overall' rating & incursion rate per length of TM
- Bottom middle – Time profile for 'Driver Confused' incursion types
- Bottom right – localised heatmap of 'Driver Confused' incursion types

Type of Roadworks: Full Closure / Lane Closure  
Type of TTM: Relaxation / Standard

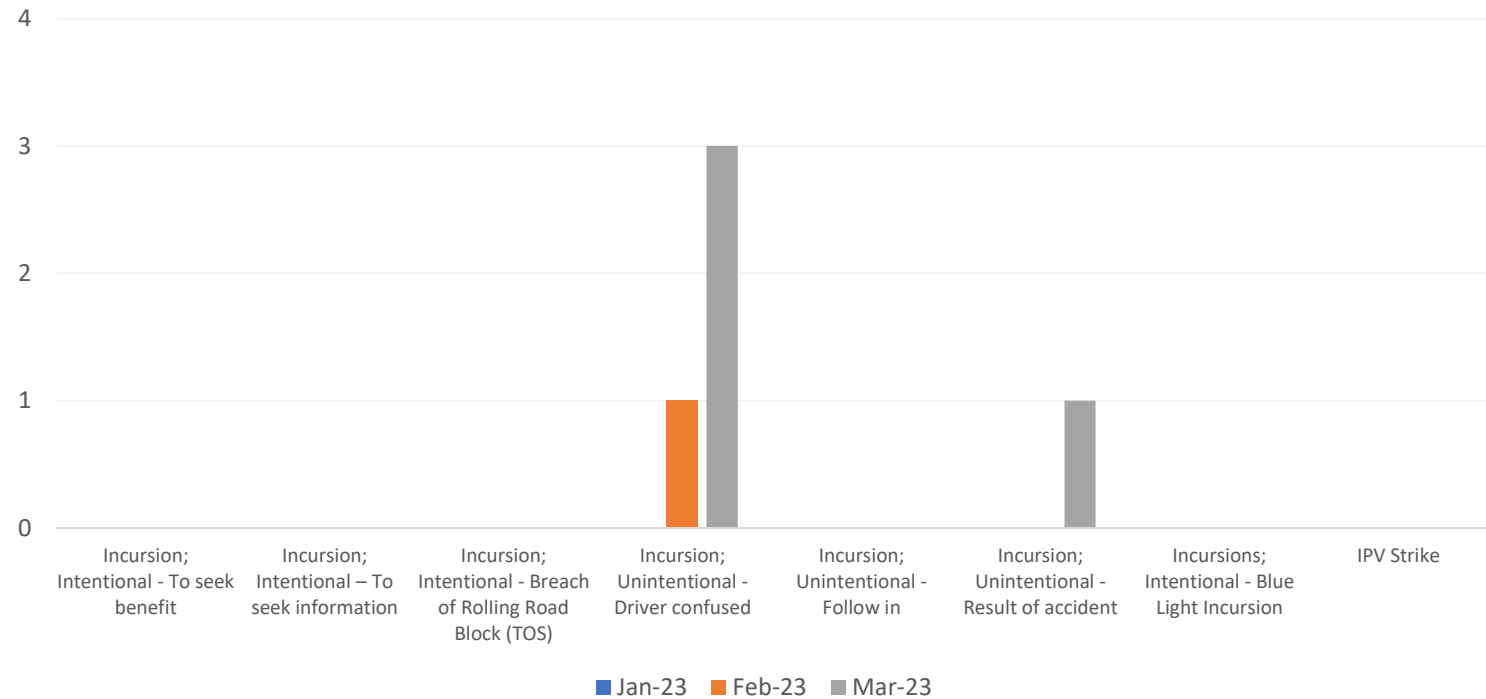
## Project Risk Rating



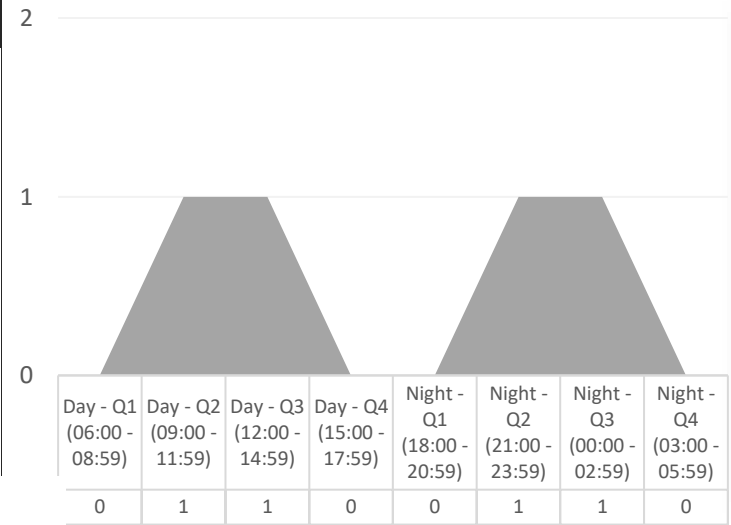
## Incursion rate per length of TM (TM Length Required)

Project Incursion Rate: TM Length Required  
Breakdown Rate: TM Length Required

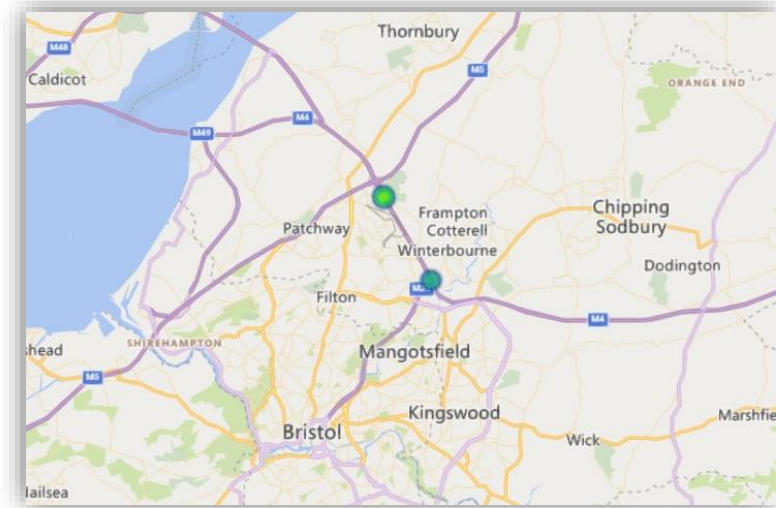
## MP-0454 - M4 J19-20 & M5 J16-17



## Time Profile of Incursions recorded



## Heatmap



# Incursions Report for Major Projects

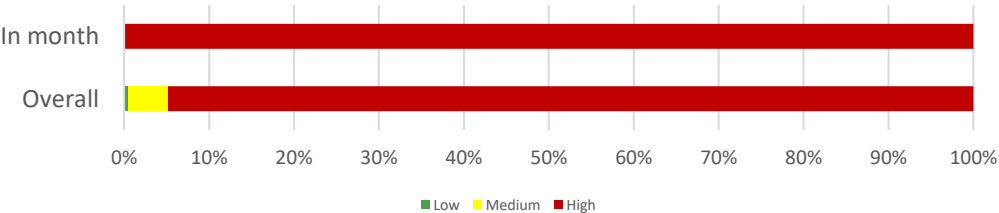
## 3 Month Incursion analysis

- MP-0147 - M1 J13 to J16; a total of 1 'IPV Strike'; an increase of 100% from the previous month
  - Bottom left – Project Risk Rating with 'In-month' rating being worse than the 'Overall' rating & incursion rate per length of TM
  - Bottom middle – Time profile for 'IPV Strike' incursion types
  - Bottom right – localised heatmap of 'IPV Strike'

Type of Roadworks: Full & Lane Closures (Mainline & Slip)

Type of TTM: Not Populated / Relaxed works (Lane & slip & links closures)

### Project Risk Rating

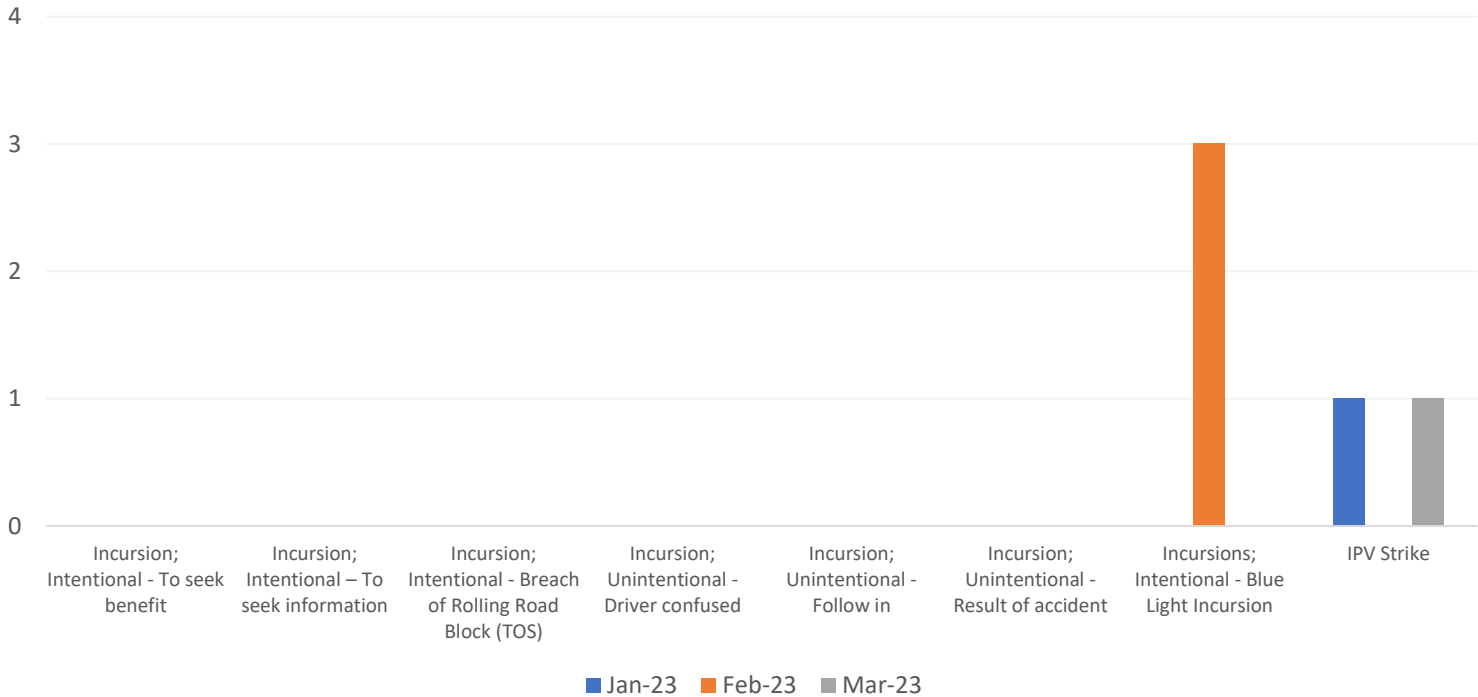


### Incursion rate per length of TM (Unknown)

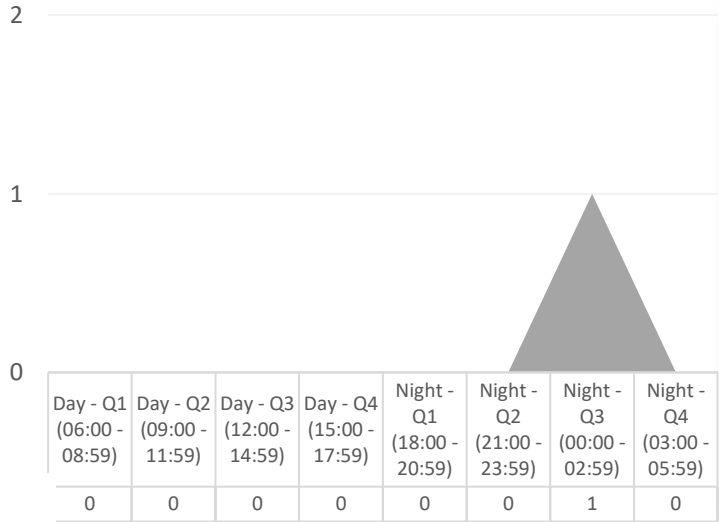
Project Incursion Rate: TM Length required

Breakdown Rate: TM Length required

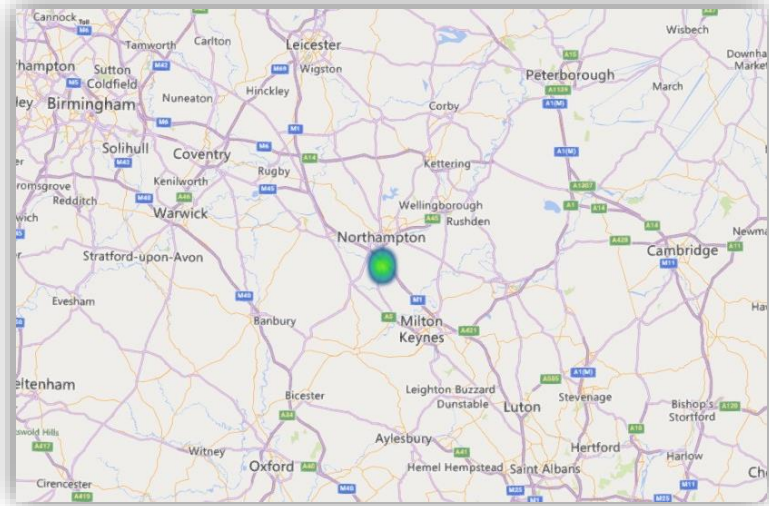
MP-0147 - M1 J13 to J16



Time Profile of Incursions recorded



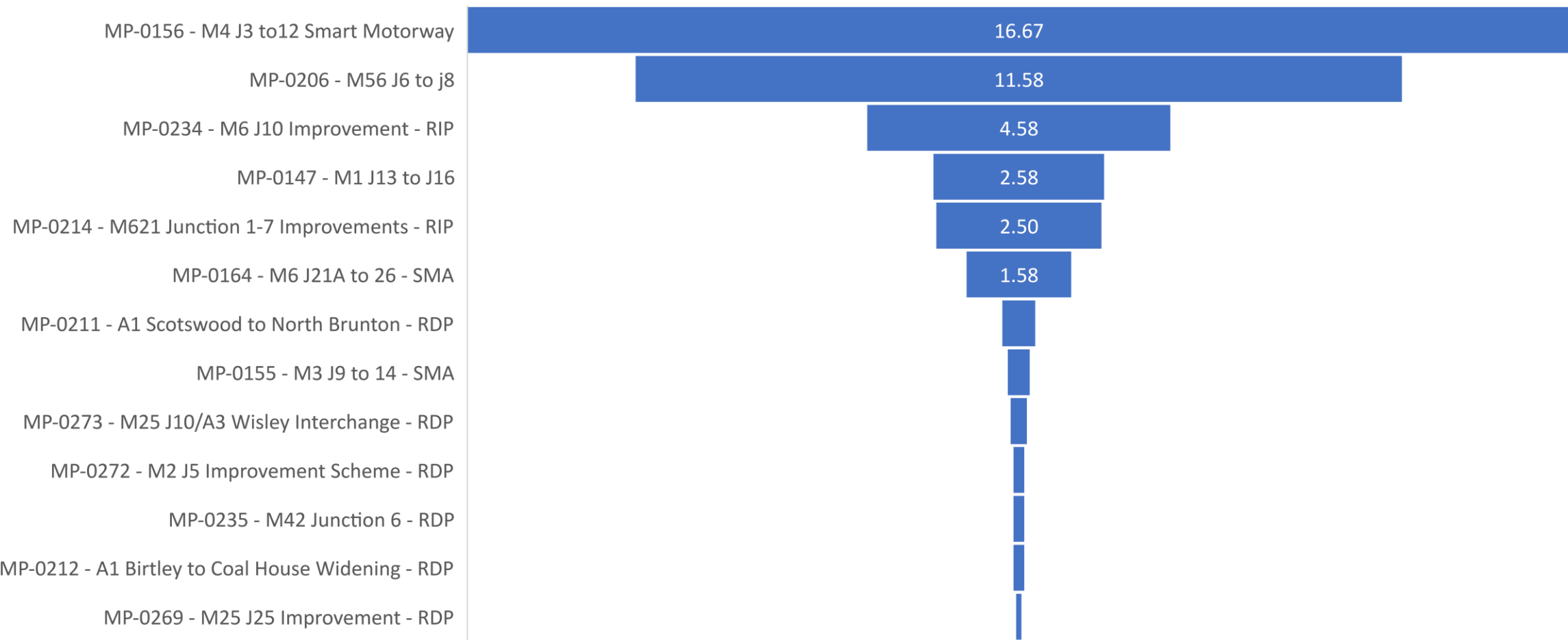
Heatmap





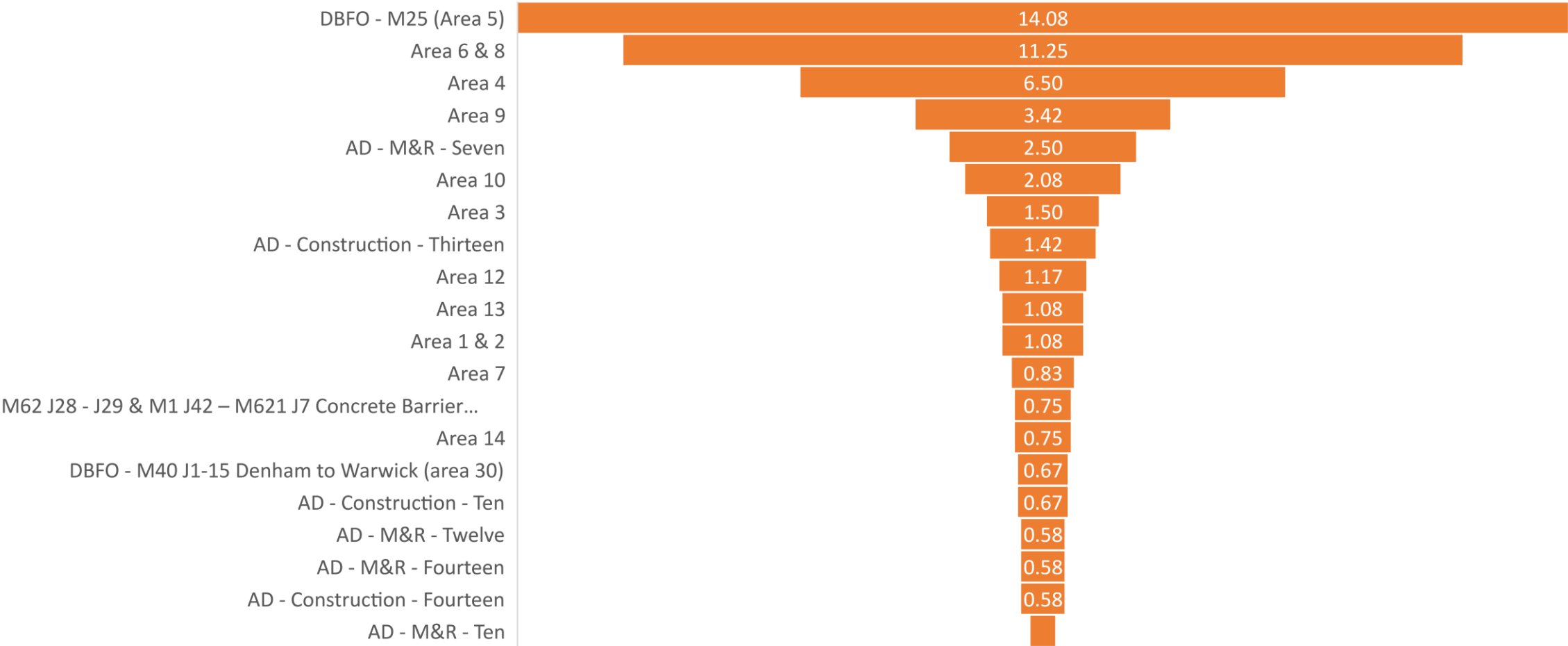
# Incursions Report for Major Projects

12 month rolling average of the number of 'Breakdown Incursions per Month' (only)



# Incursions Report for Operations Directorate

12 month rolling average of the number of all 'Incursions per Month'\*

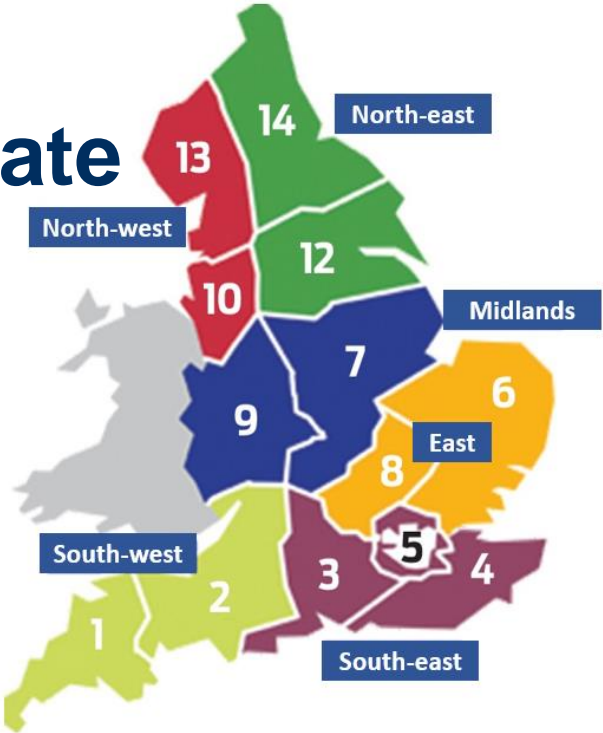


\* Excluding incursions as a result of breakdown

# Incursions Report for Operations Directorate

Report to show  
numbers of Incursions  
recorded by Region  
and ranked from  
highest to lowest

| Rolling 6 Month Incursion Figures<br>(as recorded by Regions & ranked) | Total |
|--|-------|
| South East – Operations  | 209   |
| East – Operations  | 108   |
| Yorkshire & North East – Operations                                    | 49    |
| North West – Operations  | 42    |
| Midlands – Operations  | 40    |
| South West - Operations  | 14    |



| In month<br>Incursion Figures by Region and<br>Incursion Type<br>(ranked from highest to lowest) | Incursion Categories |                  |                                   |                 |           |                    |            |                      |                      | Total |
|--|----------------------|------------------|-----------------------------------|-----------------|-----------|--------------------|------------|----------------------|----------------------|-------|
|  | Seek Benefit         | Seek Information | Breach of Rolling Roadblock (TOS) | Driver confused | Follow-In | Result of accident | IPV Strike | Blue Light Incursion | Because of Breakdown |       |
| South East – Operations  | 34                   | 0                | 0                                 | 3               | 0         | 1                  | 0          | 1                    | 0                    | 39    |
| East – Operations  | 17                   | 0                | 0                                 | 4               | 0         | 1                  | 1          | 0                    | 1                    | 24    |
| Yorkshire & North East – Operations  | 12                   | 0                | 0                                 | 1               | 3         | 0                  | 0          | 0                    | 0                    | 16    |
| Midlands – Operations  | 11                   | 0                | 0                                 | 3               | 0         | 0                  | 0          | 1                    | 0                    | 15    |
| North West – Operations  | 2                    | 0                | 0                                 | 3               | 0         | 0                  | 2          | 0                    | 0                    | 7     |
| South West - Operations  | 2                    | 0                | 0                                 | 1               | 0         | 0                  | 0          | 1                    | 0                    | 4     |

# Incursions Report for Operations Directorate

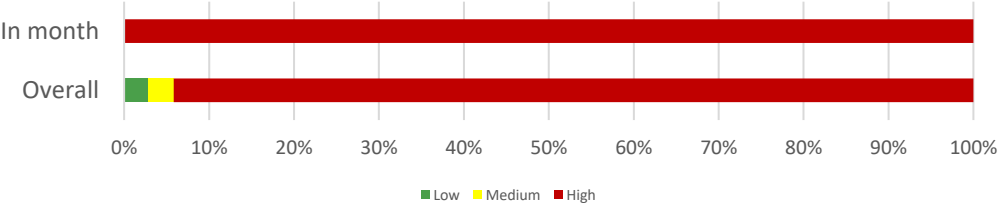
## 3 Month Incursion analysis

- DBFO - M25 (Area 5); a total of 23 incursions were reported with a decrease in 'Seeking Benefit' of 55% and an increase in 'Blue Light Incursions'
- Bottom left – Area Incursion Risk Rating with 'In-month' rating being worse than the 'Overall' rating
- Bottom middle – Time profile for 'all' incursion types
- Bottom right – localised heatmap 'all' incursion types

Type of Roadworks: Full & Lane closures

Type of TTM: Various Relaxation (Full / Lane / Slip) and Standard (Contraflow / Narrow and Single)

Area Incursion Risk Rating

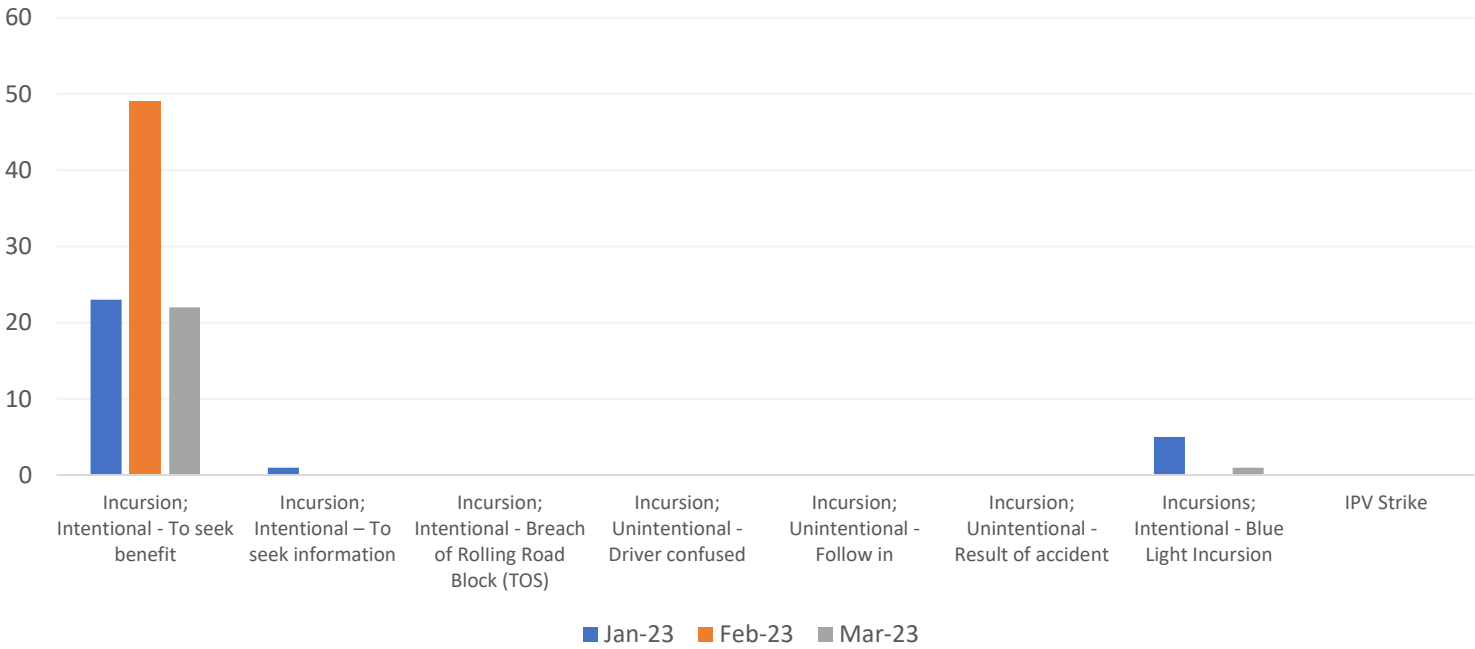


## Incursion rate per length of TM (Unknown)

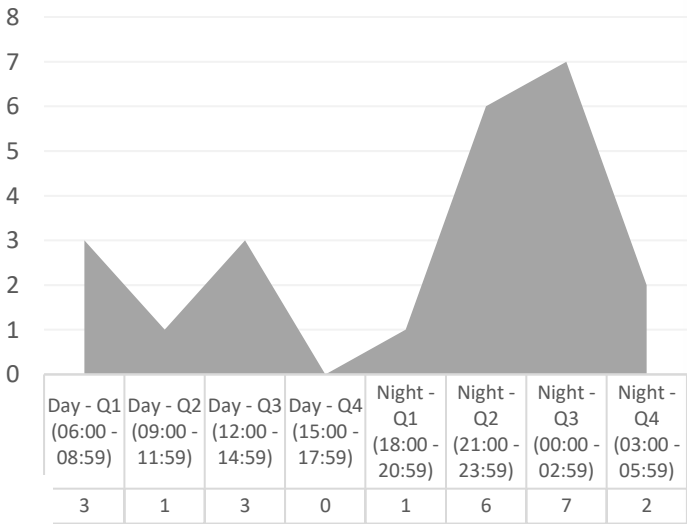
Project Incursion Rate: Length of TM data not available

Breakdown Rate: Length of TM data not available

Area 5



Time Profile of Incursions recorded



Heatmap



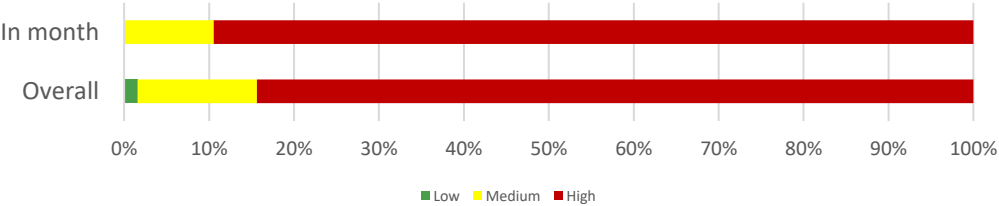
# Incursions Report for Operations Directorate

## 3 Month Incursion analysis

- Area 6 & 8; a total of 21 incursions have been recorded; with a 300% increase in 'Driver confused' type incursions together with a 100% increase in 'Result of accident', 100% increase in 'IPV Strike' and 7% increase in 'Seeking Benefit'
- Bottom left – Area Incursion Risk Rating with 'In-month' rating worse than 'Overall' rating
- Bottom middle – Time profile for 'all' incursion types recorded
- Bottom right – localised heatmap of 'all' incursion types recorded

Type of Roadworks: Full & Lane closures  
Type of TTM: Various Relaxation (Full / Lane / Slip) and Standard (Contraflow / Narrow and Single)

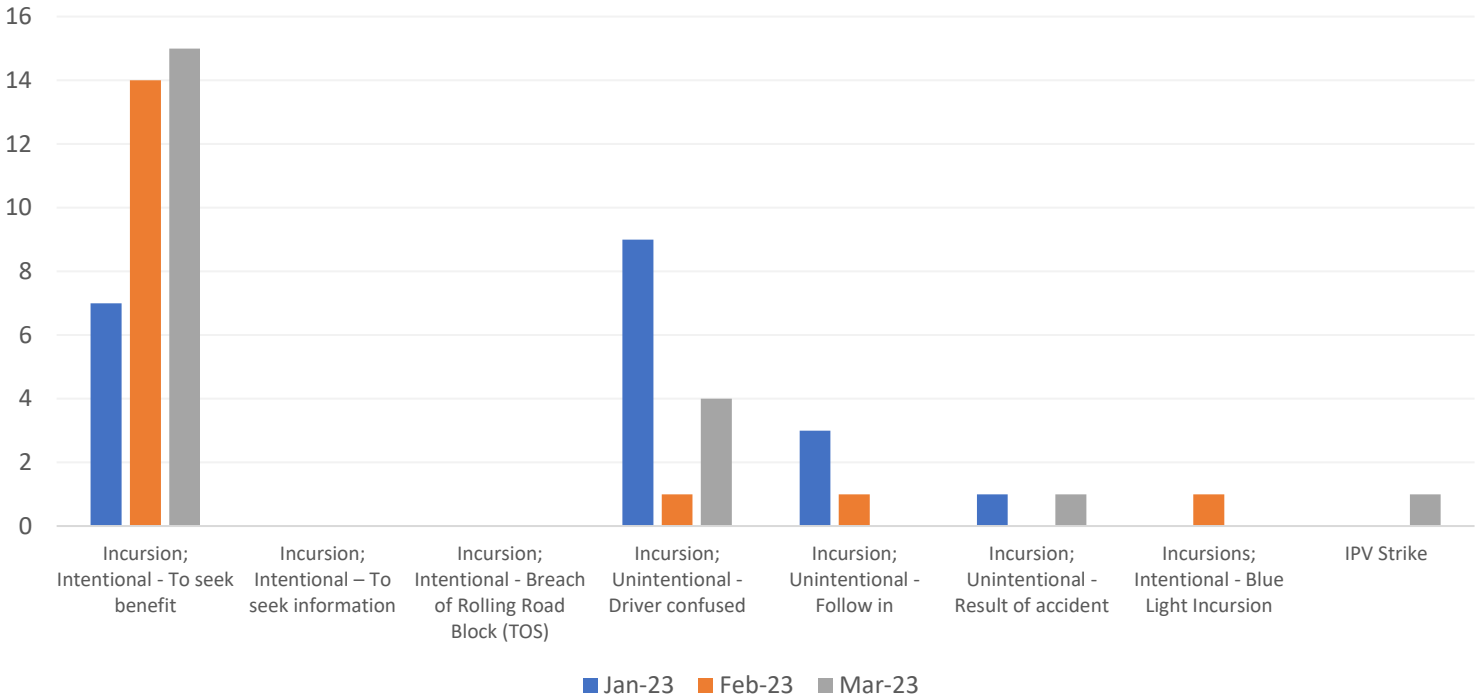
## Area Incursion Risk Rating



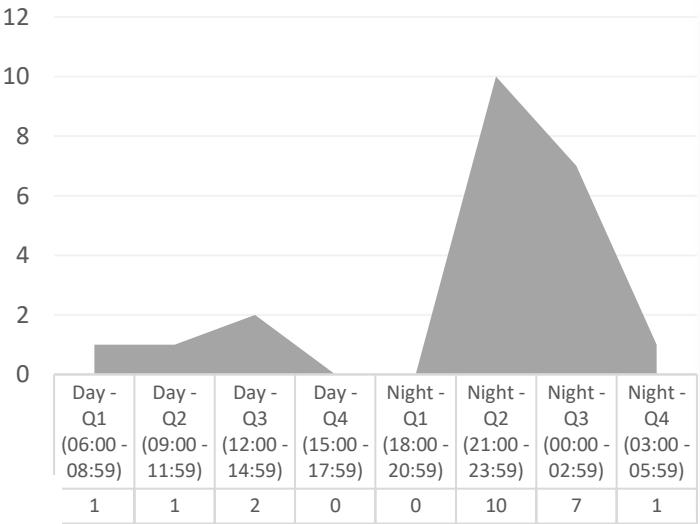
## Incursion rate per length of TM (Unknown)

Project Incursion Rate: Length of TM data not available  
Breakdown Rate: Length of TM data not available

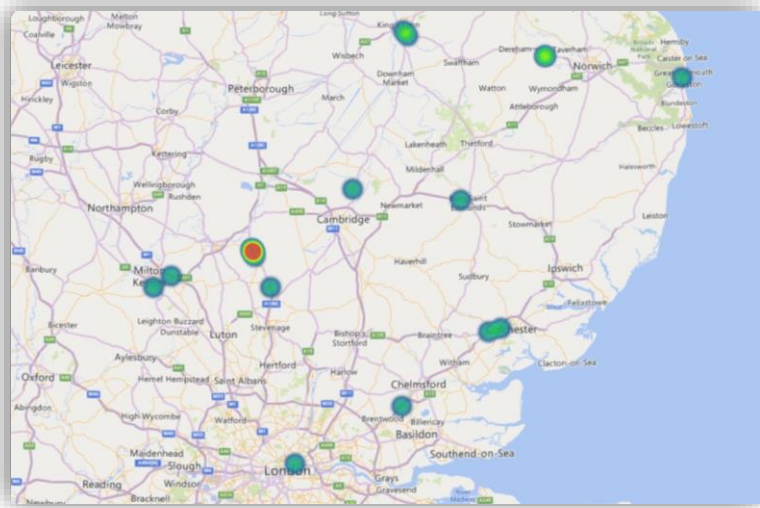
## Area 6 & 8



## Time Profile of Incursions recorded



## Heatmap



# Incursions Report for Operations Directorate

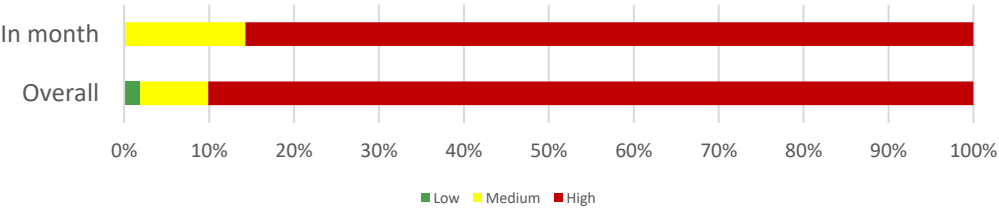
## 3 Month Incursion analysis

- Area 4; a total of 12 incursions have been recorded; with a 300% increase in 'Driver confused' type incursions together with a 100% increase in 'Result of accident', 14% increase in 'Seeking Benefit'
- Bottom left – Area Incursion Risk Rating with 'In-month' rating worse than 'Overall' rating
- Bottom middle – Time profile for 'all' incursion types recorded
- Bottom right – localised heatmap of 'all' incursion types recorded

Type of Roadworks: Full & Lane closures

Type of TTM: Various Relaxation (Full / Lane / Slip) and Standard (Contraflow / Narrow and Single)

Area Incursion Risk Rating

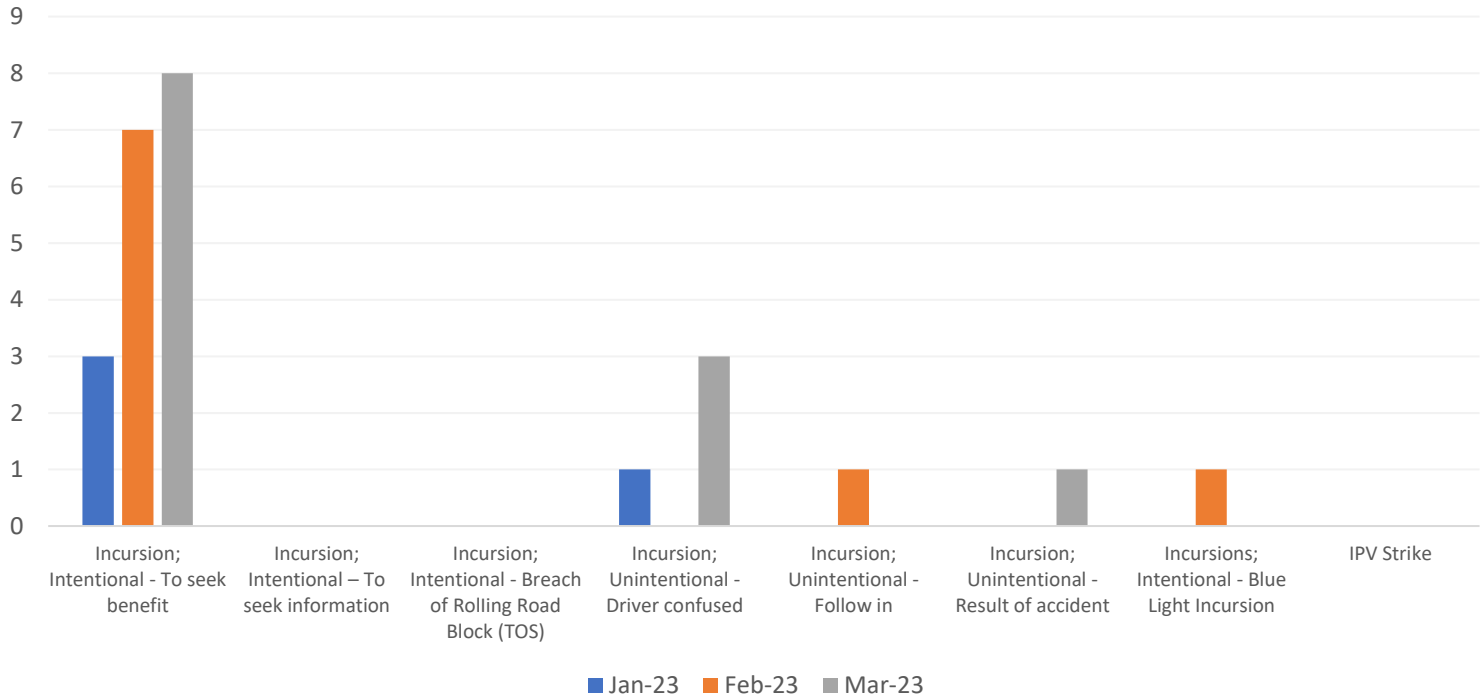


## Incursion rate per length of TM (Unknown)

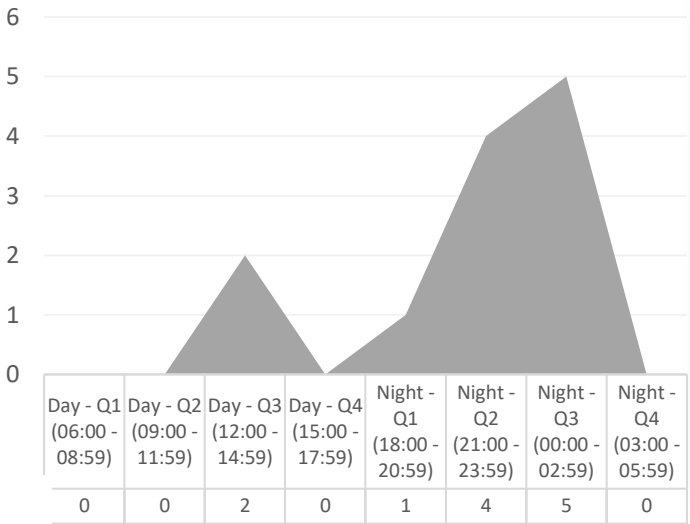
Project Incursion Rate: Length of TM data not available

Breakdown Rate: Length of TM data not available

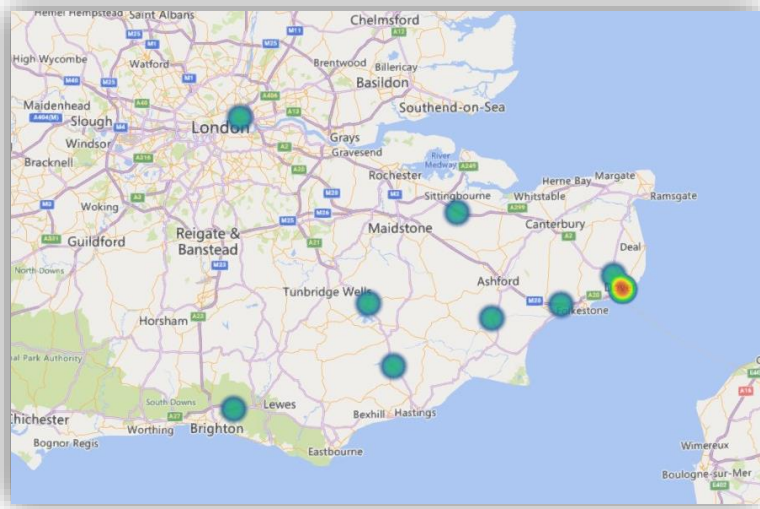
Area 4



Time Profile of Incursions recorded



Heatmap





# Incursions Report for Operations Directorate

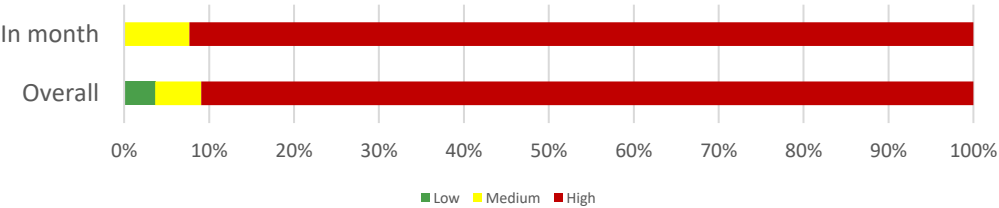
## 3 Month Incursion analysis

- AD - M&R – Seven a total of 7 incursions have been recorded; with a 200% increase in 'Seeking Benefit' type incursions together with a 100% increase in 'Driver confused'
- Bottom left – Area Incursion Risk Rating with 'In-month' rating being worse than the 'Overall' rating
- Bottom middle – Time profile for 'all' incursion types
- Bottom right – localised heatmap 'all' incursion types

Type of Roadworks: Full Closure (Slip Road) / Lane Closures (Mainline and Slip) / Not populated

Type of TTM: Relaxation & Standard works

## Area Incursion Risk Rating

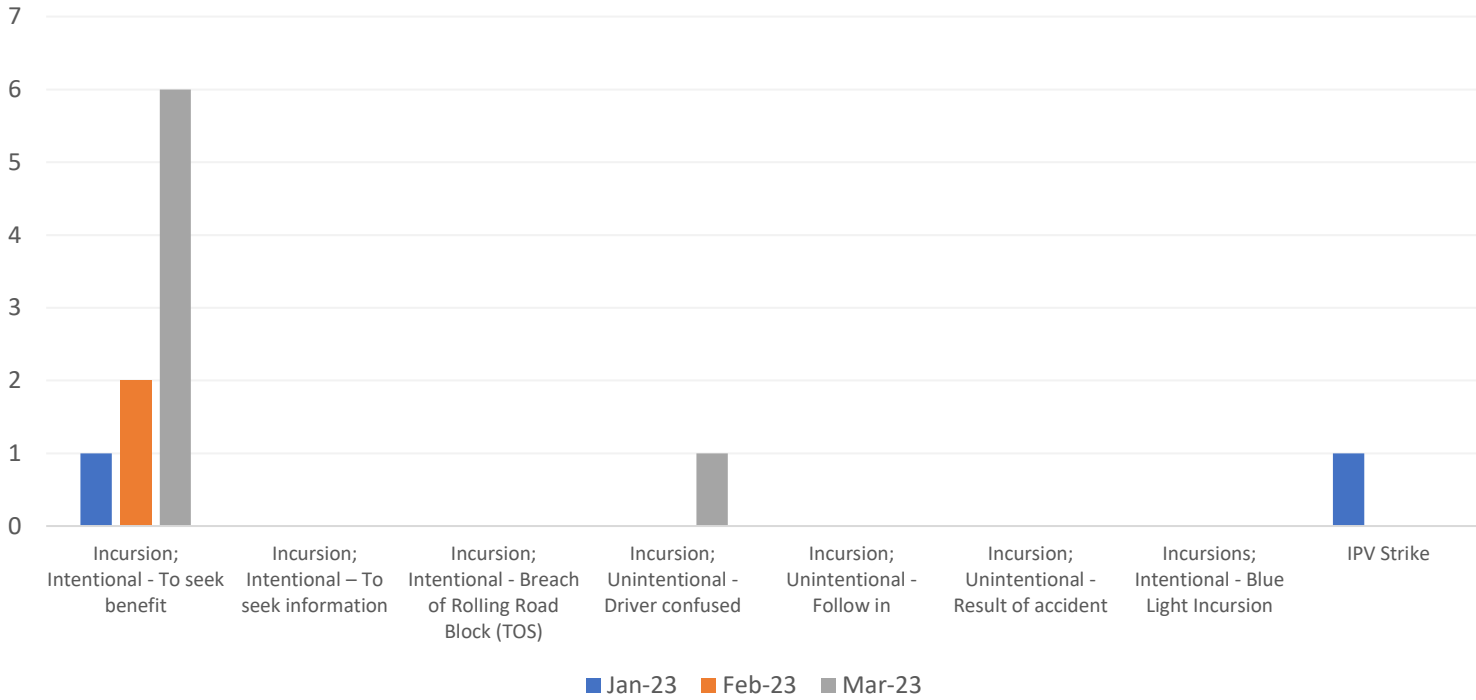


## Incursion rate per length of TM (Unknown)

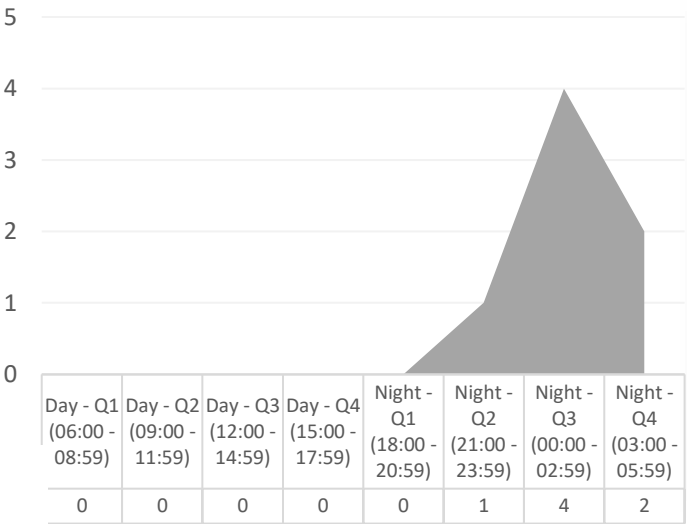
Project Incursion Rate: Length of TM data not available

Breakdown Rate: Length of TM data not available

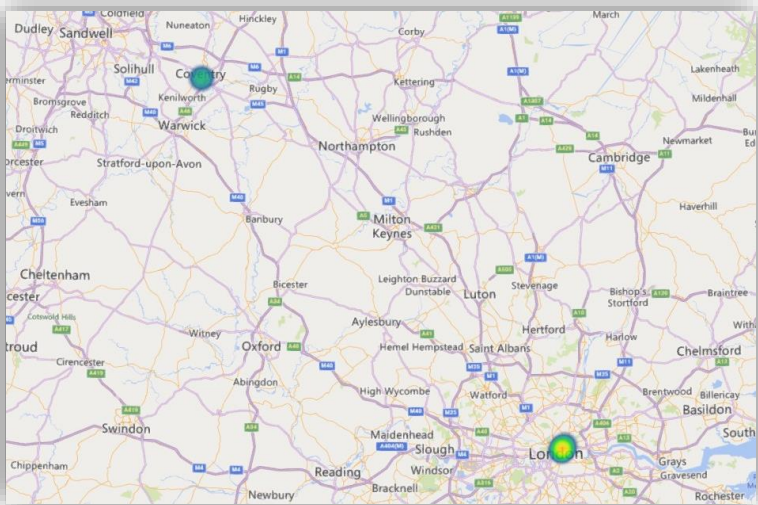
AD - M&R - Seven



Time Profile of Incursions recorded



Heatmap



# Incursions Report for Operations Directorate

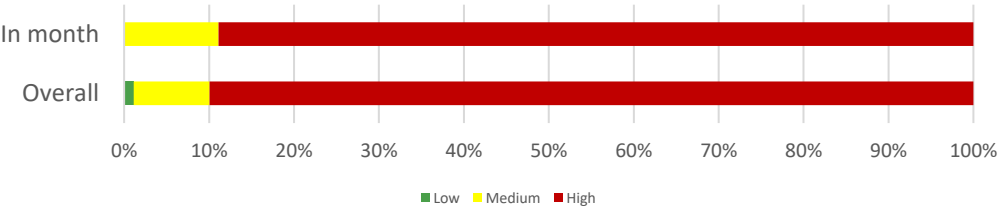
## 3 Month Incursion analysis

- Area 7 a total of 5 incursions have been recorded; with a 200% increase in 'Seeking Benefit' type incursions together with a 100% increase in 'Blue Light', 100% increase in 'Driver confused'
- Bottom left – Area Incursion Risk Rating with 'In-month' rating being worse than the 'Overall' rating
- Bottom middle – Time profile for 'all' incursion types
- Bottom right – localised heatmap 'all' incursion types

Type of Roadworks: Full Closure (Slip Road) / Lane Closures (Mainline and Slip) / Not populated

Type of TTM: Relaxation & Standard works

## Area Incursion Risk Rating

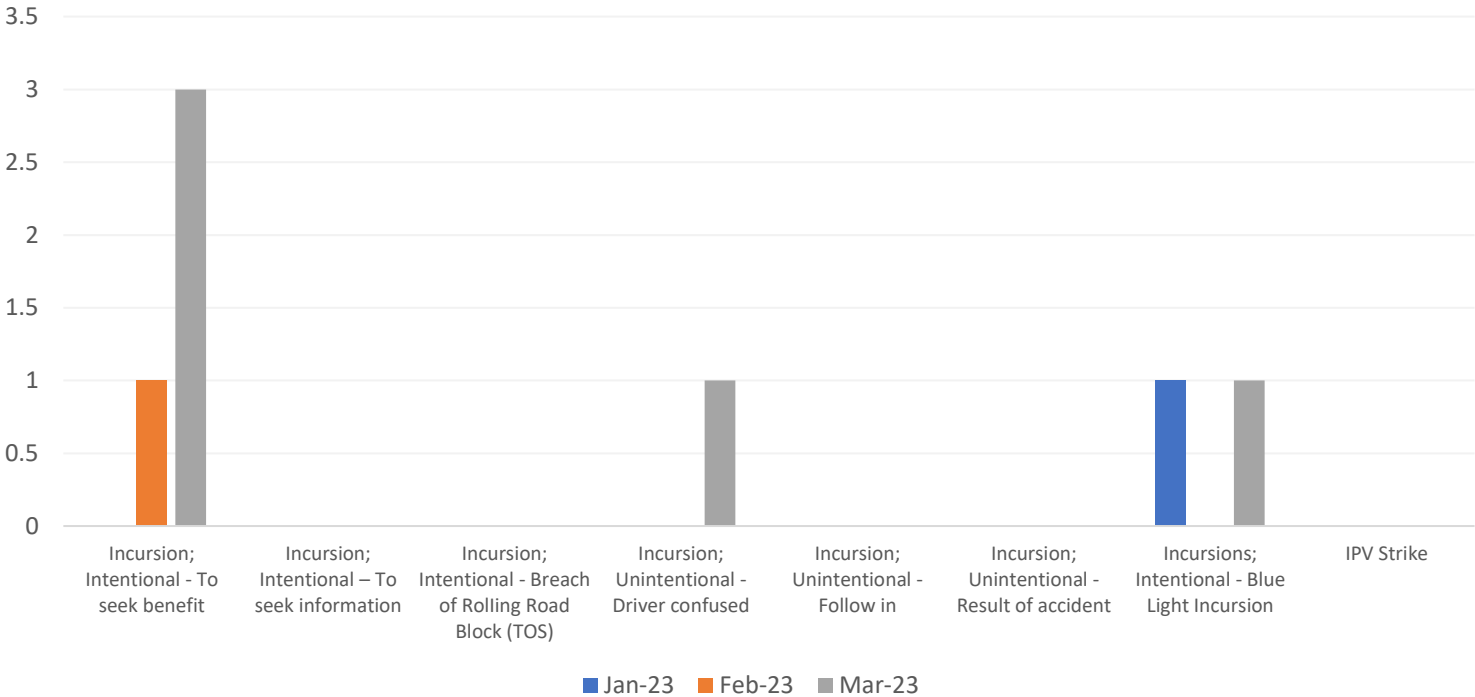


## Incursion rate per length of TM (Unknown)

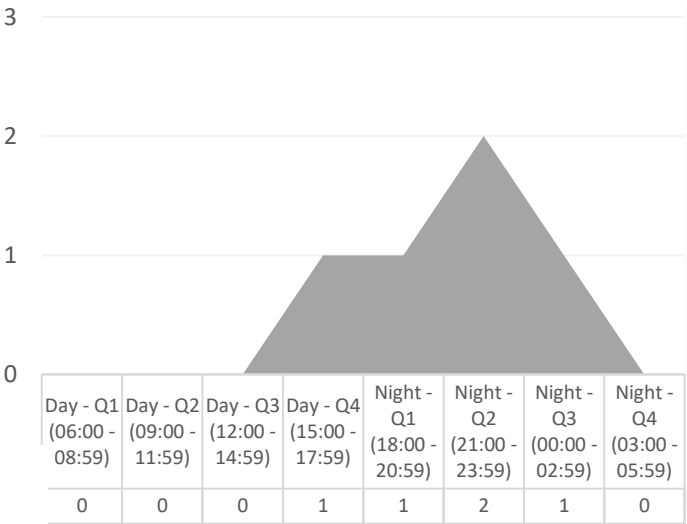
Project Incursion Rate: Length of TM data not available

Breakdown Rate: Length of TM data not available

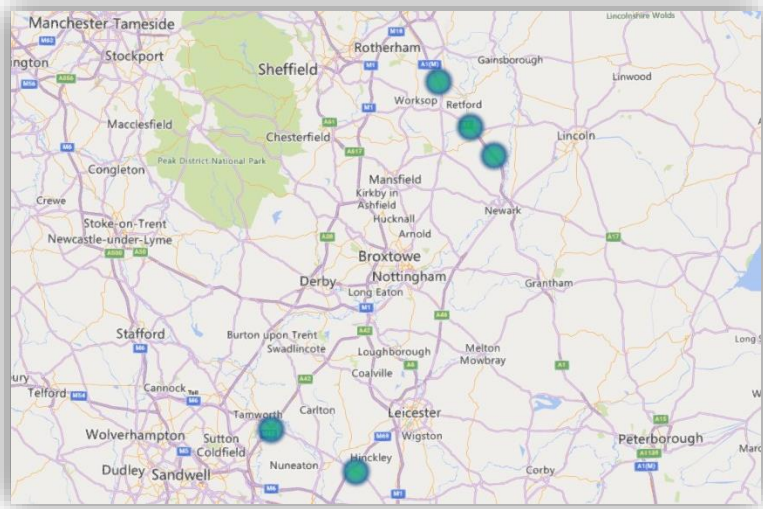
## Area 7



## Time Profile of Incursions recorded



## Heatmap





# Incursions Report for Operations Directorate

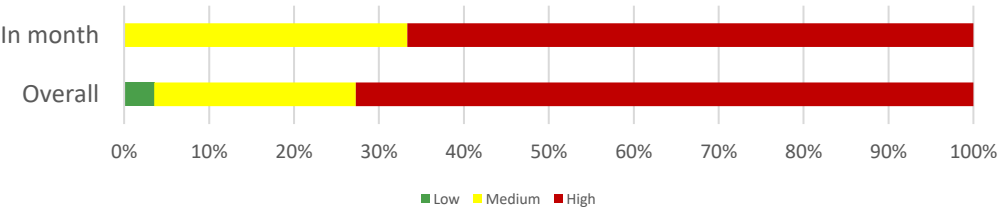
## 3 Month Incursion analysis

- Area 10 a total of 4 incursions have been recorded; with a 100% increase in 'Seeking Benefit' type incursions together with a 100% increase in 'IPV Strike', 100% increase in 'Driver confused'
- Bottom left – Area Incursion Risk Rating with 'In-month' rating being worse than the 'Overall' rating
- Bottom middle – Time profile for 'all' incursion types
- Bottom right – localised heatmap 'all' incursion types

Type of Roadworks: Full Closure (Slip Road) / Lane Closures (Mainline and Slip) / Not populated

Type of TTM: Relaxation & Standard works

## Area Incursion Risk Rating

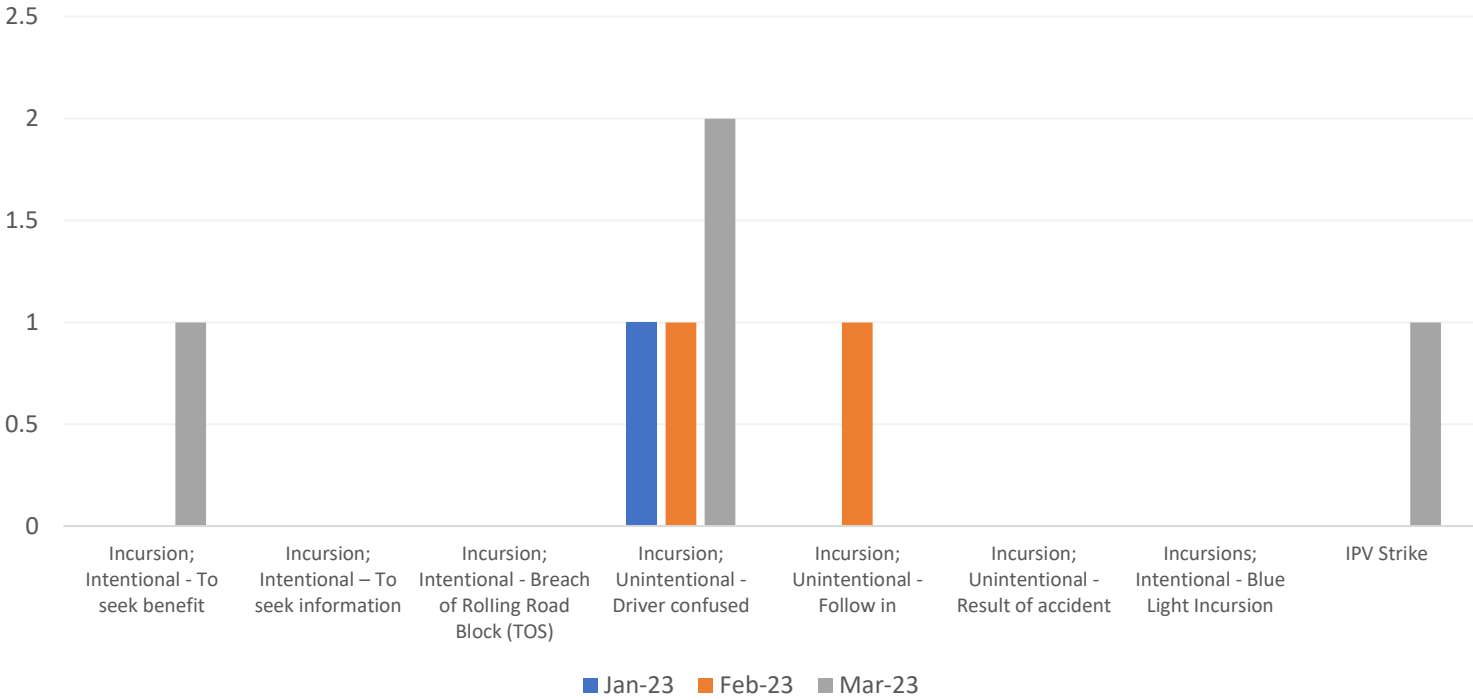


## Incursion rate per length of TM (Unknown)

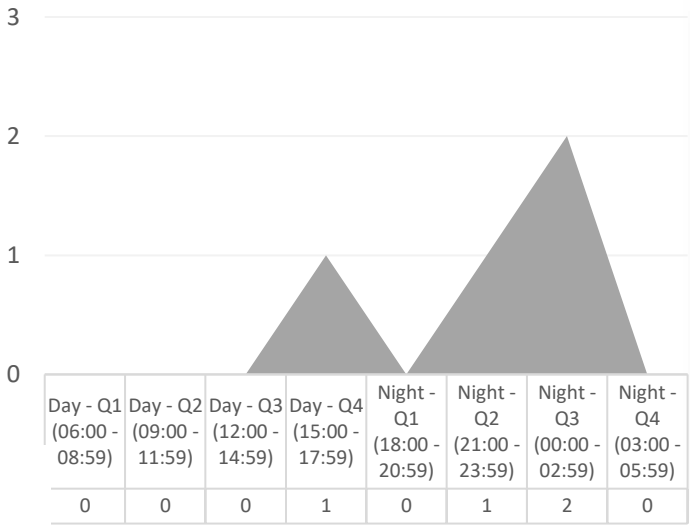
Project Incursion Rate: Length of TM data not available

Breakdown Rate: Length of TM data not available

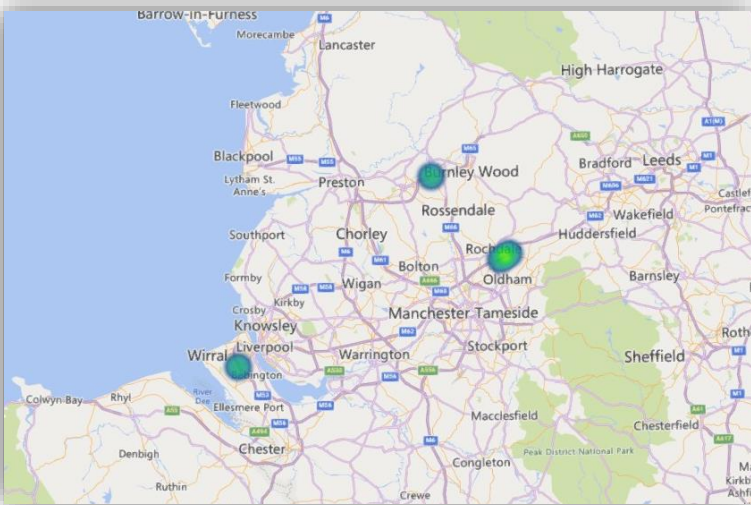
Area 10



Time Profile of Incursions recorded



Heatmap



# Incursions Report for Operations Directorate

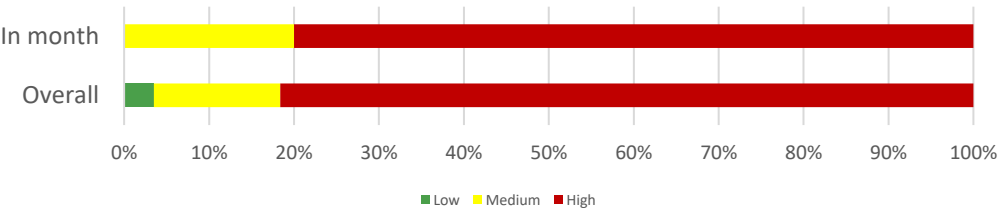
## 3 Month Incursion analysis

- Area 13 a total of 3 incursions have been recorded; with a 100% increase in 'Seeking Benefit' type incursions together with a 100% increase in 'IPV Strike', 100% increase in 'Driver confused'
- Bottom left – Area Incursion Risk Rating with 'In-month' rating being worse than the 'Overall' rating
- Bottom middle – Time profile for 'all' incursion types
- Bottom right – localised heatmap 'all' incursion types

Type of Roadworks: Full Closure (Slip Road) / Lane Closures (Mainline and Slip) / Not populated

Type of TTM: Relaxation & Standard works

## Area Incursion Risk Rating

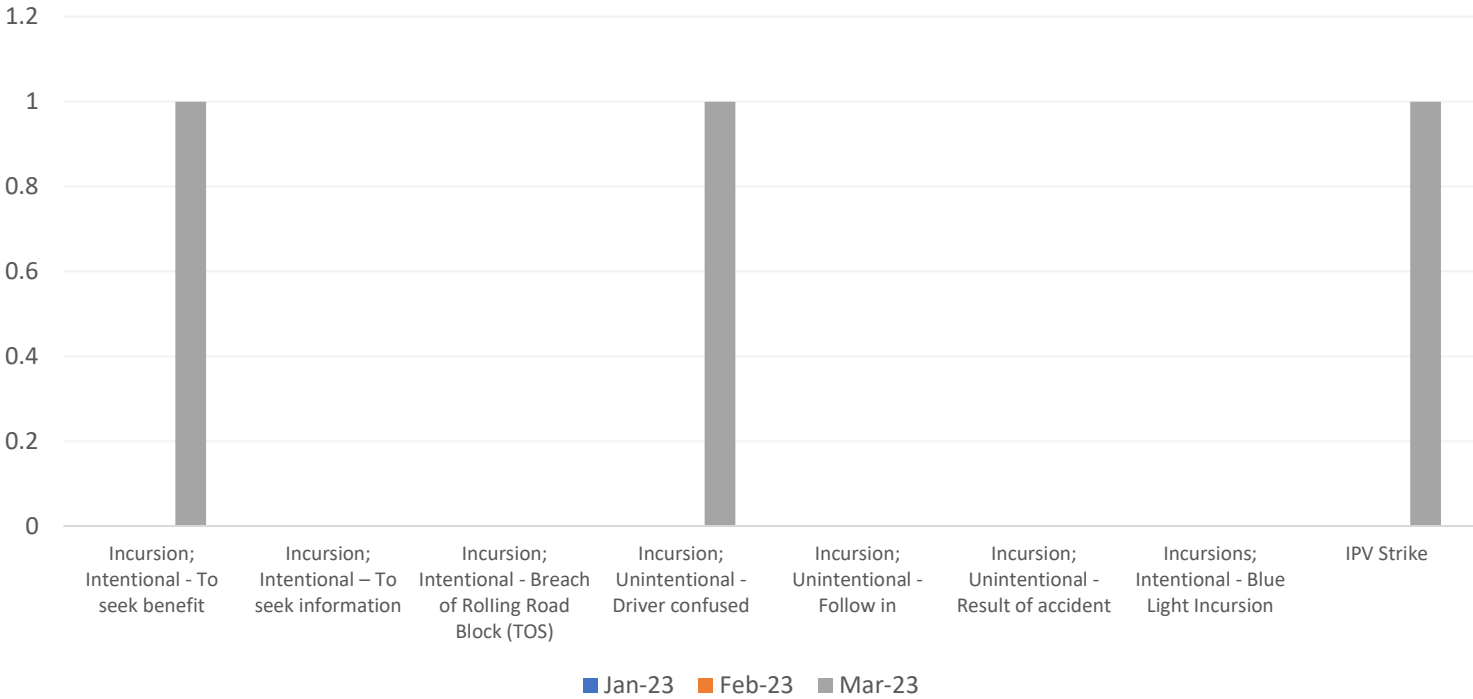


## Incursion rate per length of TM (Unknown)

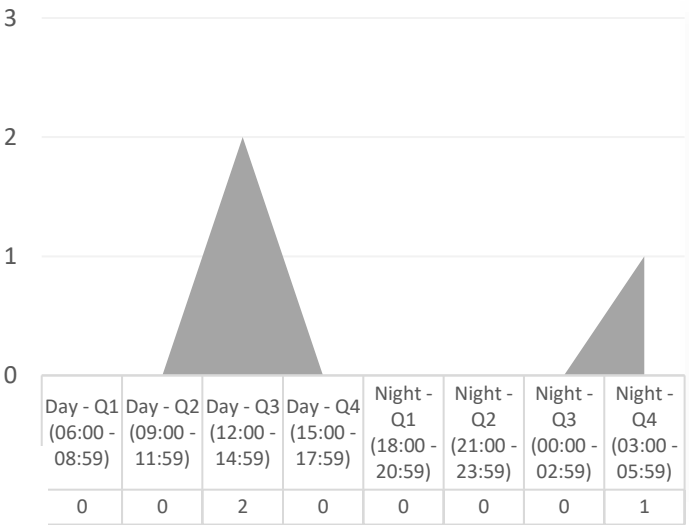
Project Incursion Rate: Length of TM data not available

Breakdown Rate: Length of TM data not available

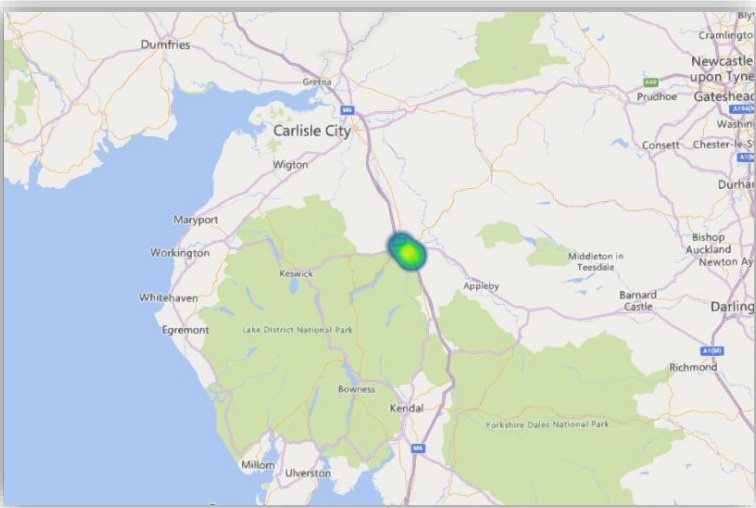
## Area 13



## Time Profile of Incursions recorded

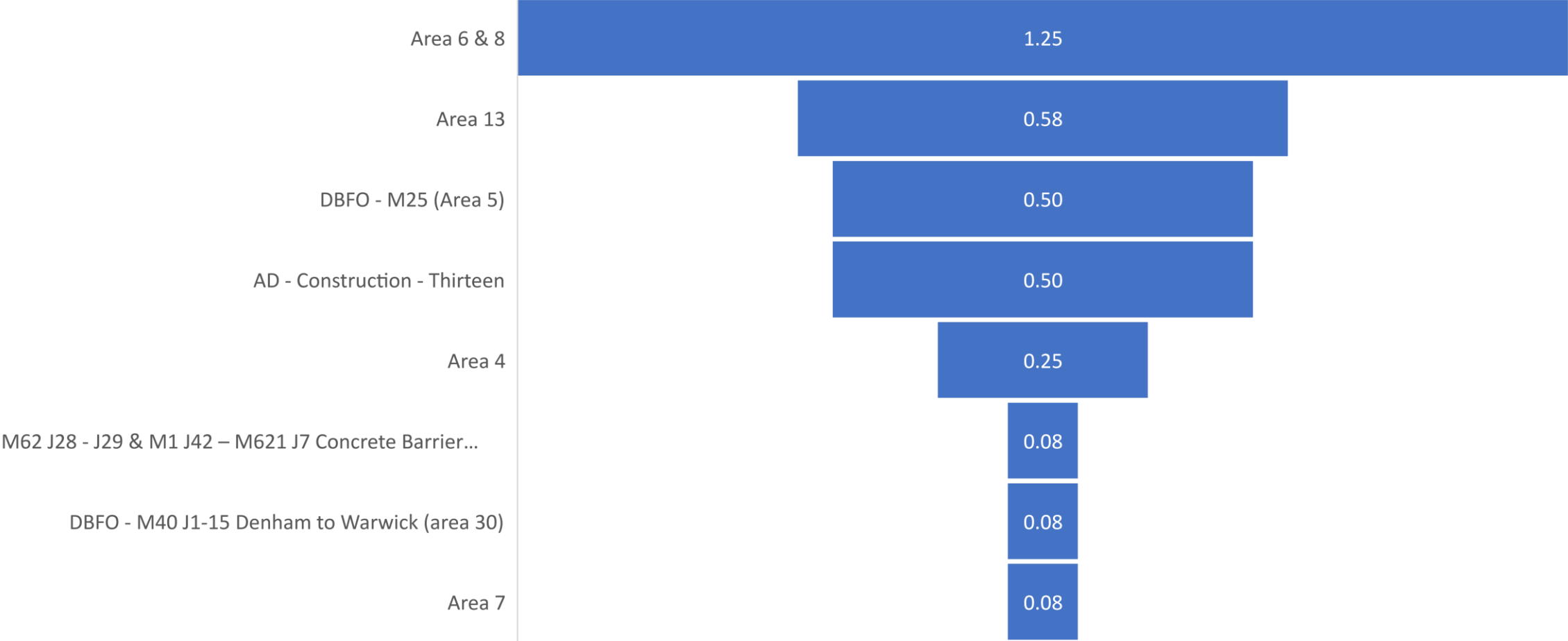


## Heatmap



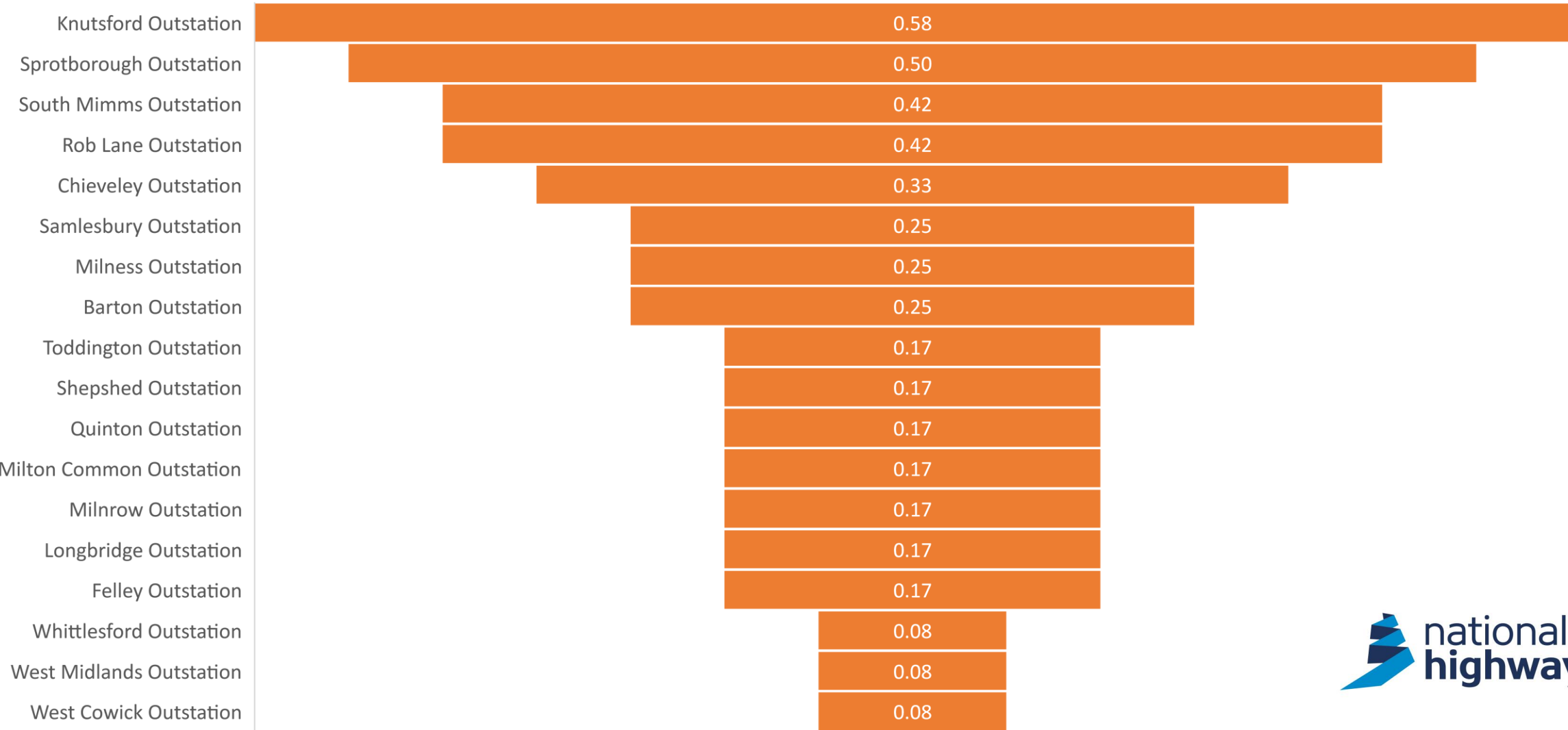
# Incursions Report for Operations Directorate

12 month rolling average of the number of 'Breakdown Incursions per Month' (only)



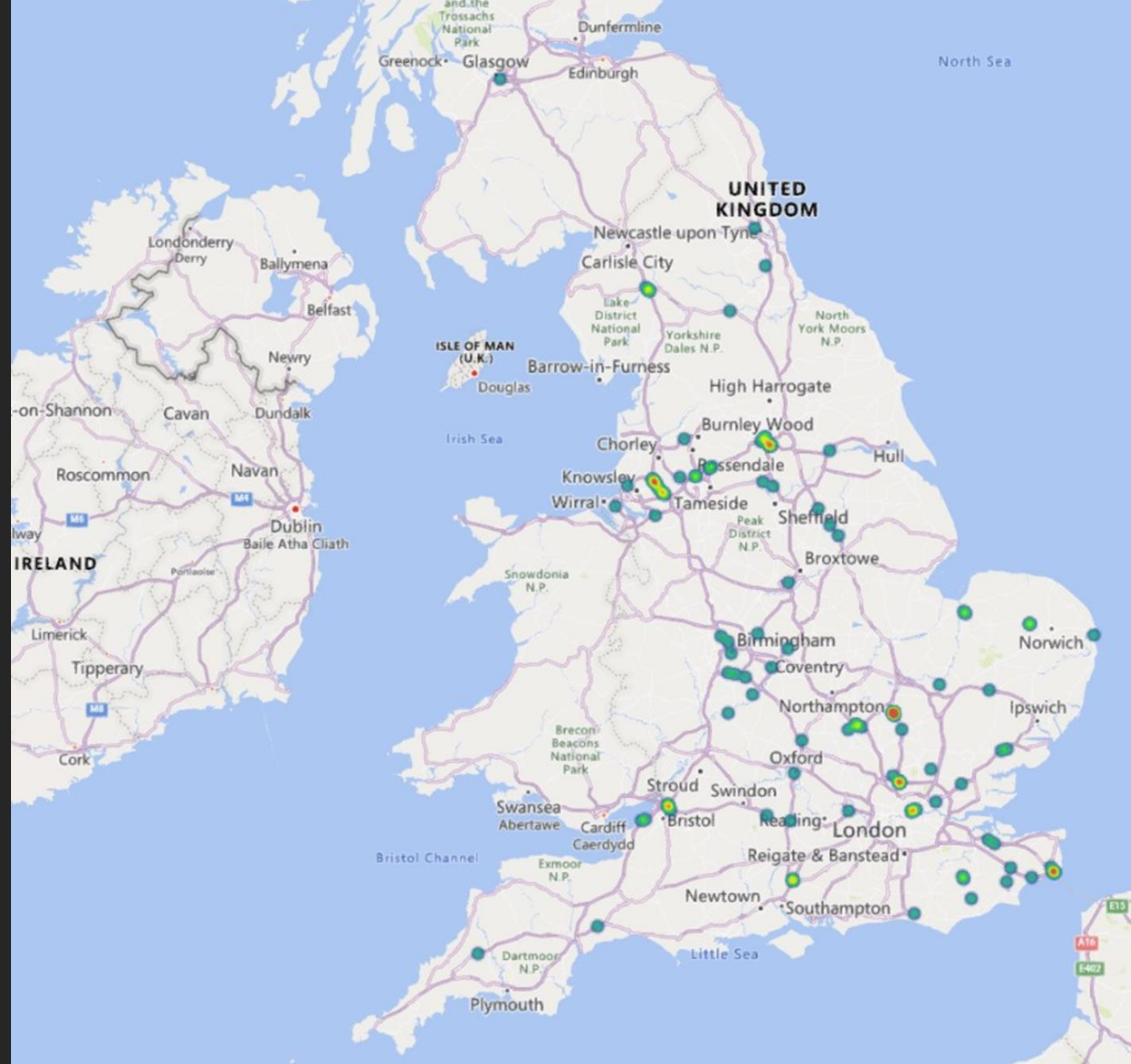
# Incursions Report for Outstation (Traffic Officers)

12 month rolling average of the number of 'All Incursions types as recorded by our Traffic Officers per Month'



# Heatmap of Incursions recorded in March 2023

- “76% of all incursions were recorded with coordinates”





# Heatmap of all Incursions recorded (for the past 12 months)

