



IPV & Incursion Working Group Report – February 2024

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Project Manager - Major Projects Customer Service and Stakeholder Division

Rev 0 – 05/01/2024

Data Source: HART [WD2]

Incursions Report - Headline

To date, the total number of incursions recorded since October 2017 is **15378**

Kind of Event	Directorate				
	Major Projects	Operations	Outstations & ROCs	NH Offices & Depots	Grand Total
Incursion; Intentional - To seek benefit	879	2273	601	59	3812
Incursion; Intentional – Because of breakdown	4351	430	145	3	4929
Incursion; Intentional – To seek information	61	91	29	5	186
Incursion; Intentional - Breach of Rolling Road Block (TOS)	4	24	873	8	909
Incursion; Unintentional - Driver confused	970	685	275	41	1971
Incursion; Unintentional - Follow in	167	212	16	3	398
Incursion; Unintentional - Result of accident	322	200	69	5	596
Incursions; Intentional - Blue Light Incursion	62	84	1	2	149
IPV Strike	18	63	11	0	92
Incursion to seek information or benefit	233	1085	174	18	1510
Incursion unintentional - confused or follow in	181	429	210	6	826
Grand Total	7248	5576	2404	150	15378

Kind of Event	By Year (Jan – Dec)						
	Previous Years	2019	2020	2021	2022	2023	2024
Number of All Incursions recorded	788	2055 (+9.7%)	2313 (+12.6%)	3937 (+70.2%)	1808 (-54.1%)	2149 (prov)	454

Incursions Report - Headline

233 Incursions were recorded for February 2024

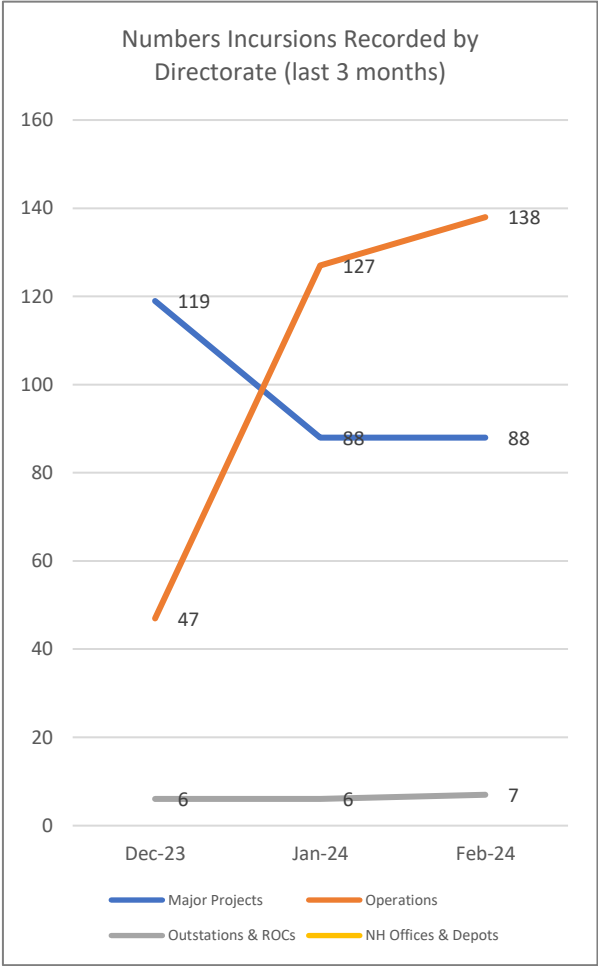
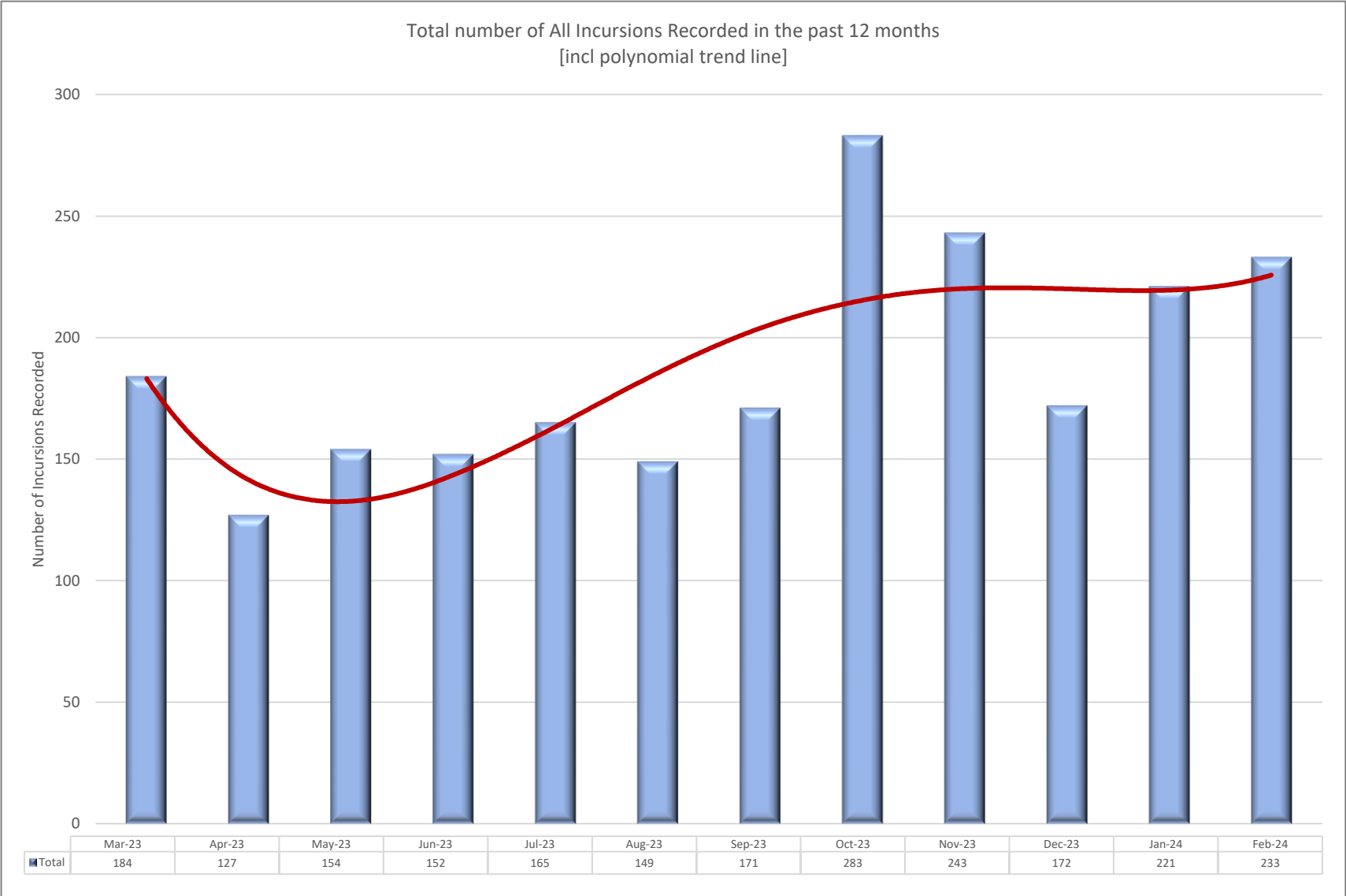
Kind of Event	Directorate				Grand Total
	Major Projects	Operations	Outstations & ROCs	NH Offices & Depots	
Incursion; Intentional - To seek benefit	27	89	6		122
Incursion; Intentional – Because of breakdown	36	14			50
Incursion; Intentional – To seek information	2	1			3
Incursion; Intentional - Breach of Rolling Road Block (TOS)					
Incursion; Unintentional - Driver confused	13	17	1		31
Incursion; Unintentional - Follow in	4	6			10
Incursion; Unintentional - Result of accident	3	7			10
Incursions; Intentional - Blue Light Incursion	3	2			5
IPV Strike		2			2
Grand Total	88	138	7	0	233

Incursions Report - Headline

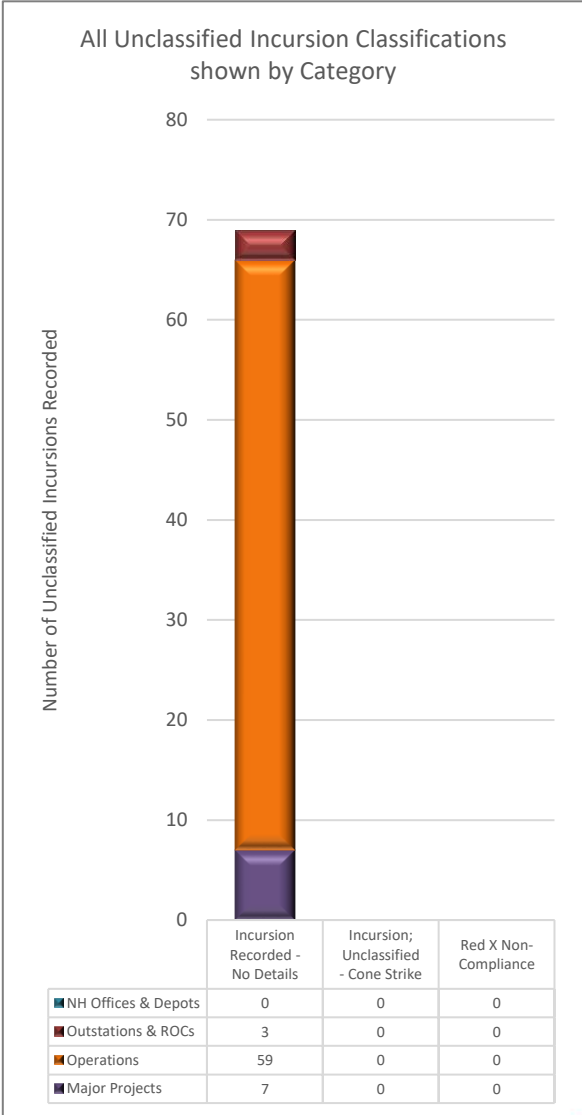
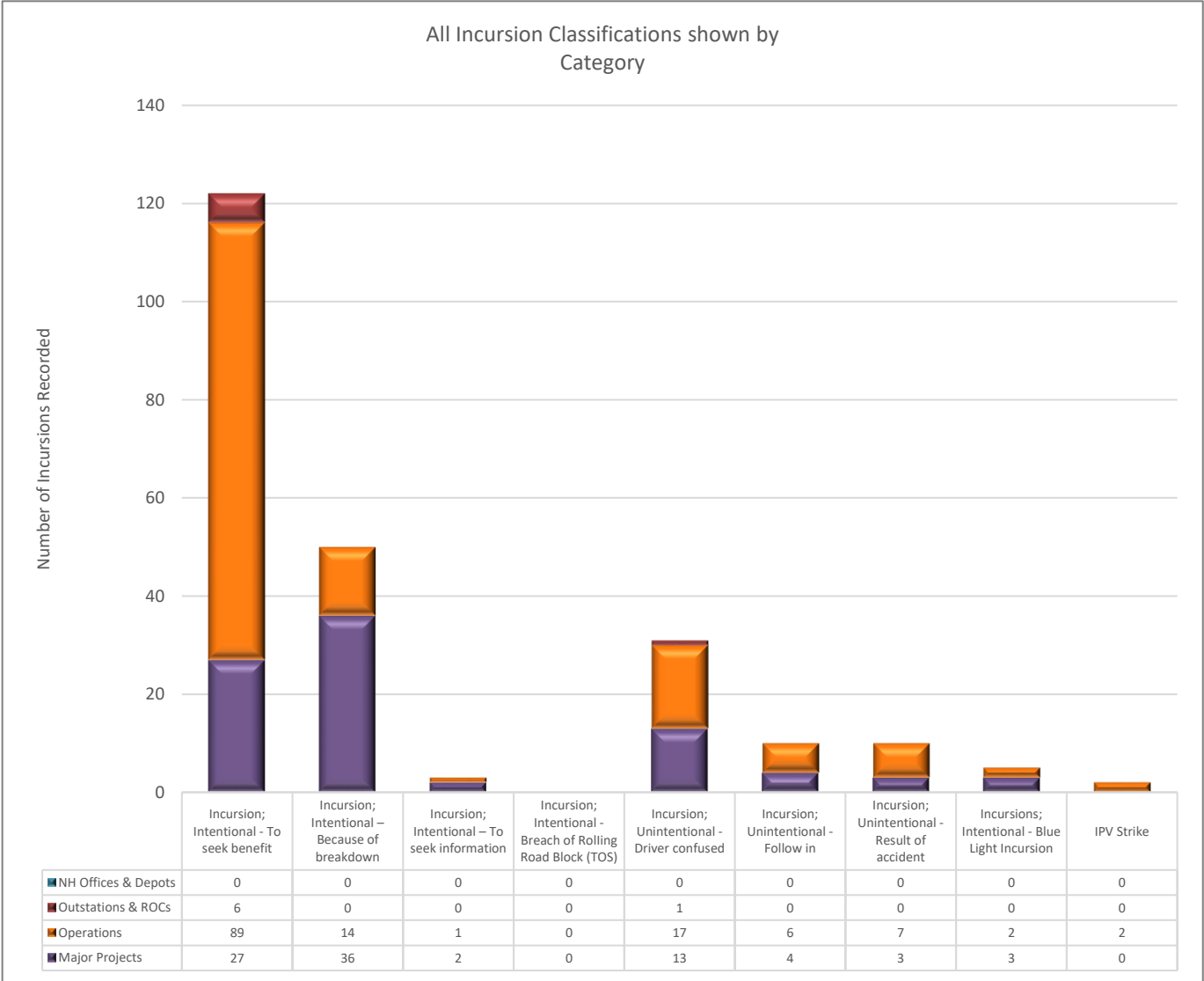
Table shows the average number of incursions recorded by directorate and type over the past 12-month period as incursions per month (I/m)

Incursion Category	Directorate			Comments
	Major Projects	Operations	Outstations & ROCs	
Incursion; Intentional - To seek benefit	16.08 (↑) [1.83 I/m]	56.25 (↓) [-0.17 I/m]	4.25 (↓) [-0.08 I/m]	In month, MP has seen an increase of 1.83 I/m from the previous month with a 70% increase recorded over the past rolling 12-month period
Incursion; Intentional – To seek information	1.08 (=) [0.00 I/m]	1.33 (↓) [-0.08 I/m]	0.00 (=) [0.00 I/m]	In month, Ops has seen a decrease of 1.33 I/m from the previous month with a 33% increase recorded over the past rolling 12-month period
Incursion; Intentional – Because of breakdown	34.08 (↓) [-1.92 I/m]	7.83 (↑) [0.92 I/m]	0.58 (=) [0.00 I/m]	In month, Ops has seen an increase of 0.92 I/m from the previous month with a 25% decrease recorded over the past 12-month period
Incursion; Intentional - Breach of Rolling Road Block (TOS)	0.00 (=) [0.00 I/m]	0.17 (=) [0.00 I/m]	0.75 (↓) [-0.08 I/m]	In month there has been a decrease of 0.08 I/m from the previous month with a 18% decrease recorded over the past 12-month period
Incursion; Unintentional - Driver confused	18.50 (↓) [-0.08 I/m]	15.25 (↑) [1.08 I/m]	1.50 (=) [0.00 I/m]	In month, Ops has seen an increase of 1.08 I/m from the previous month with a 51% increase recorded over the past 12-month period
Incursion; Unintentional - Follow in	3.75 (↑) [0.25 I/m]	5.50 (=) [0.00 I/m]	0.00 (=) [0.00 I/m]	In month, MP has seen an increase of 0.25 I/m from the previous month with a 94% increase recorded over the past rolling 12-month period
Incursion; Unintentional - Result of accident	6.25 (↓) [-0.33 I/m]	4.25 (↑) [0.83 I/m]	0.17 (=) [0.00 I/m]	In month, Ops has seen an increase of 0.83 I/m from the previous month with a 134% increase recorded over the past 12-month period
IPV Strike	0.08 (=) [0.00 I/m]	1.67 (↓) [-0.08 I/m]	0.25 (=) [0.00 I/m]	In month, Ops has seen a decrease of 0.08 I/m from the previous month with a 11% increase recorded over the past 12-month period
Incursions; Intentional – Blue Light Incursion	2.58 (↓) [-0.25 I/m]	4.33 (=) [0.00 I/m]	0.08 (=) [0.00 I/m]	In month, MP has seen a decrease of 0.25 I/m from the previous month with a 63% increase recorded over the past rolling 12-month period

Incursions Report – All Incursions



Incursions Report – All Incursions during February 24



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

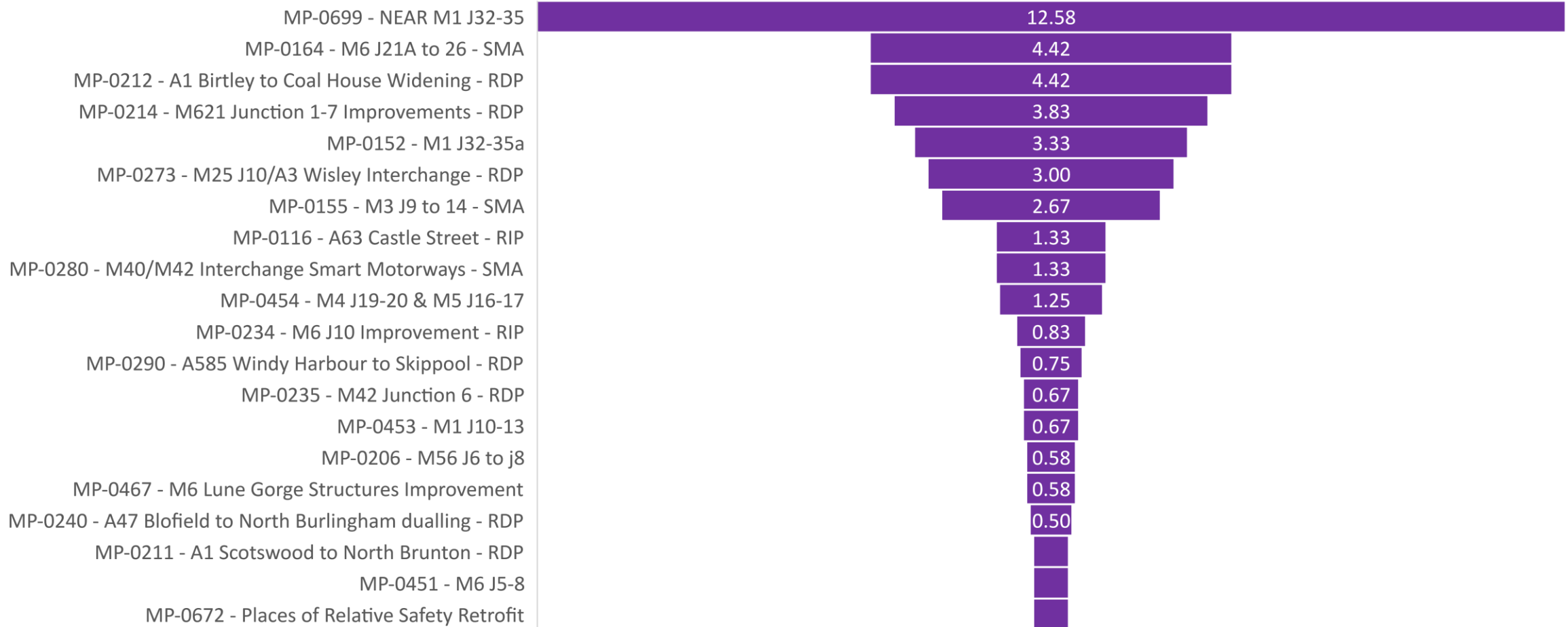
1. Incursion; Intentional - To seek benefit [122]
2. Incursion; Unintentional - Driver confused [31]
3. Incursion; Unintentional - Follow in [10]
4. Incursion; Unintentional - Result of accident [10]
5. Incursions; Intentional - Blue Light Incursion [5]
6. Incursion; Intentional – To seek information [3]
7. IPV Strike [2]
8. Incursion; Intentional - Breach of Rolling Road Block (TOS) [0]

Note - Incursion; Intentional – Because of breakdown [50]



Incursions Report for Major Projects

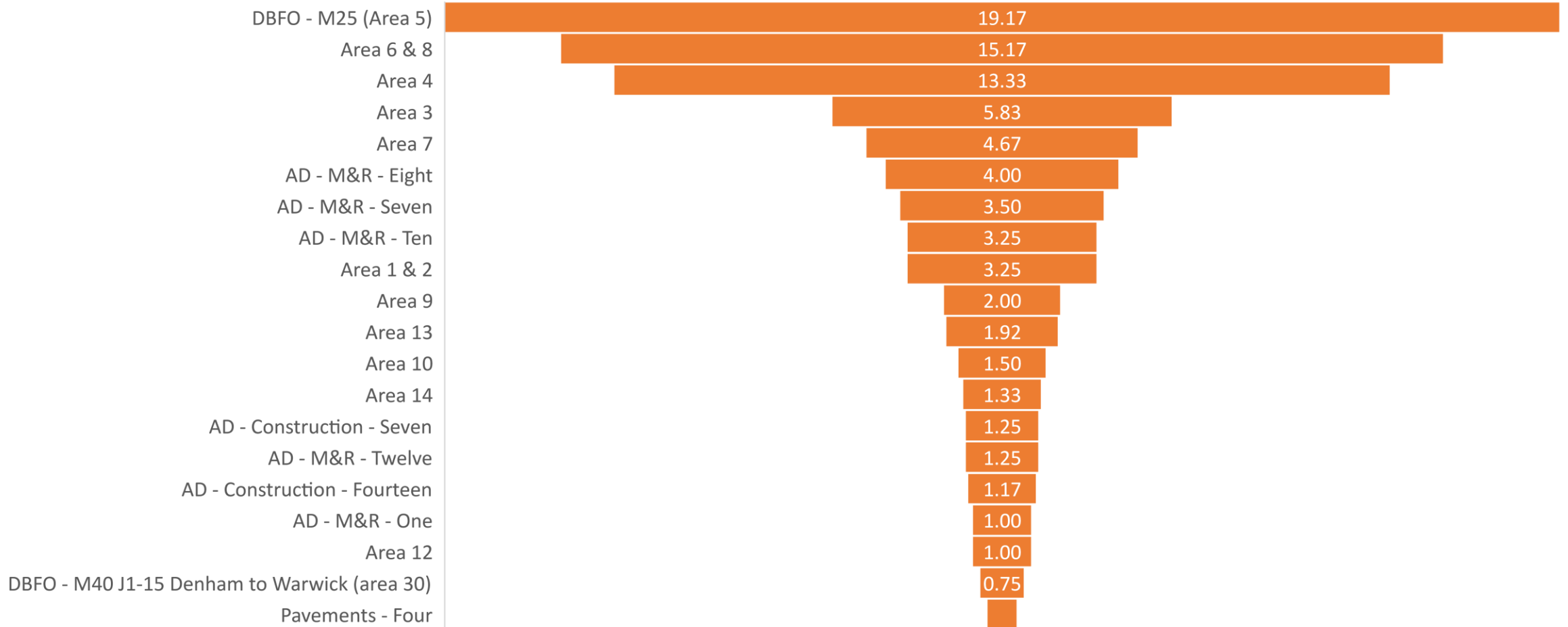
12 month rolling average of the number of all 'Incursions per Month'*



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

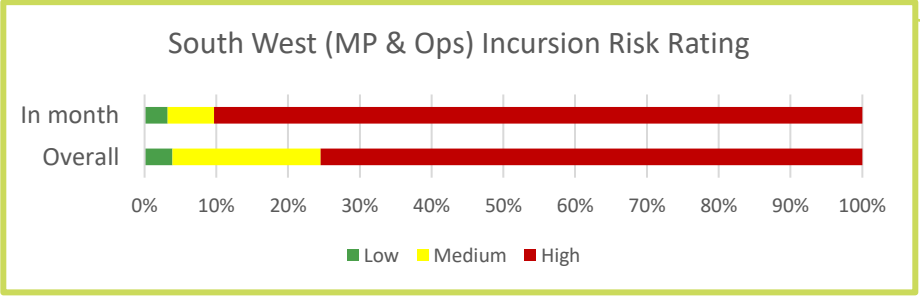
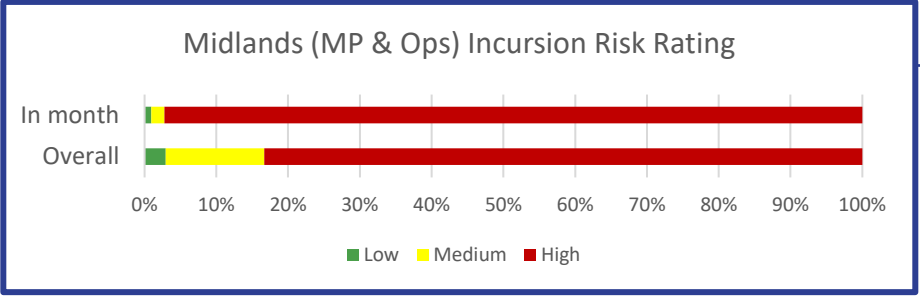
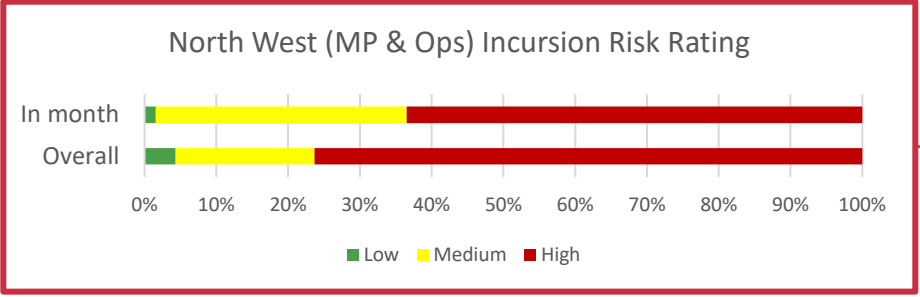
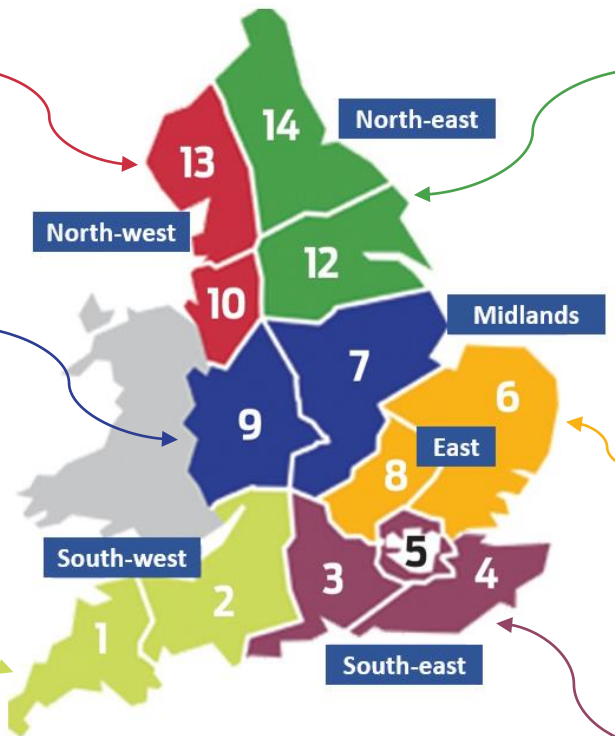
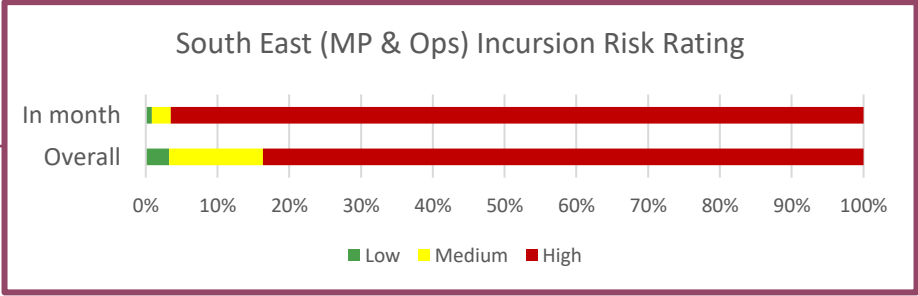
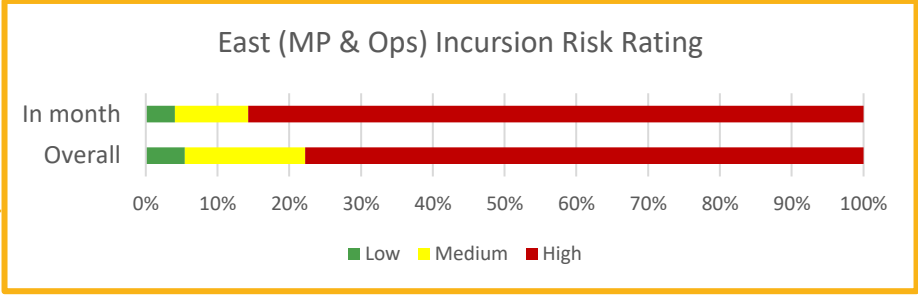
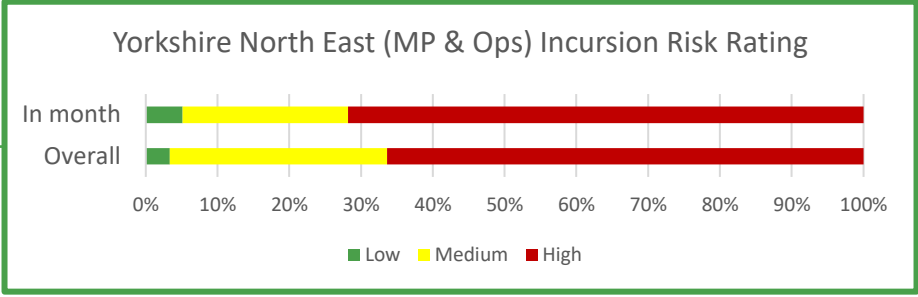
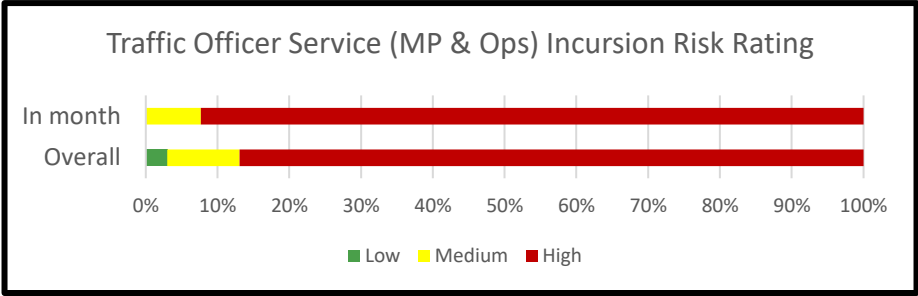
Incursions Report for Operations Directorate

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



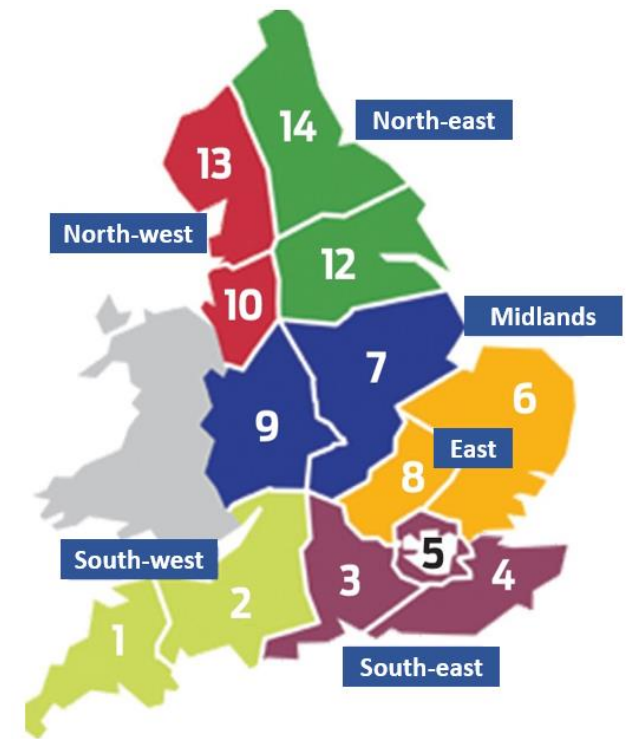
* Excluding incursions as a result of breakdown

Incursions Report by Region & Risk



Incursions Report by Region & Category

Rolling 6 Month totals of All Incursion <i>as recorded by Regions & ranked in order</i>	Number of Incursions		Total
	Major Projects	Operations	
Yorkshire & North East	427	31	458
South East	28	295	323
Midlands	114	66	180
East	23	143	166
North West	51	60	111
South West	6	35	41



In Month Incursion Figures by Region and by Incursion Type	Incursion Categories																			Totals		
	Seek Benefit		Seek Information		Breach of Rolling Roadblock (TOS)		Driver confused		Follow-In		Result of accident		IPV Strike		Blue Light Incursion		Because of Breakdown					
	MP	Ops	MP	Ops	MP	Ops	MP	Ops	MP	Ops	MP	Ops	MP	Ops	MP	Ops	MP	Ops	MP	Ops	MP	Ops
South East	2	50	0	1	0	0	0	3	0	1	0	2	0	0	0	1	1	6	3	64	67	
Yorkshire & North East	4	6	1	0	0	0	9	0	3	0	3	0	0	0	0	1	19	1	39	8	47	
North West	4	6	0	0	0	0	3	8	0	1	0	0	0	0	0	0	9	4	16	19	35	
East	8	7	1	0	0	0	0	5	0	3	0	3	0	0	3	0	2	3	14	21	35	
Midlands	9	16	0	0	0	0	1	0	1	0	0	0	0	1	0	0	5	0	16	17	33	
South West	0	4	0	0	0	0	0	1	0	1	0	2	0	1	0	0	0	0	0	9	9	

Blue Light Incursions Report - Headline

148 Blue Light Incursions have been recorded since February 2022 with **5** being recorded in February 2024 (Edited Record)

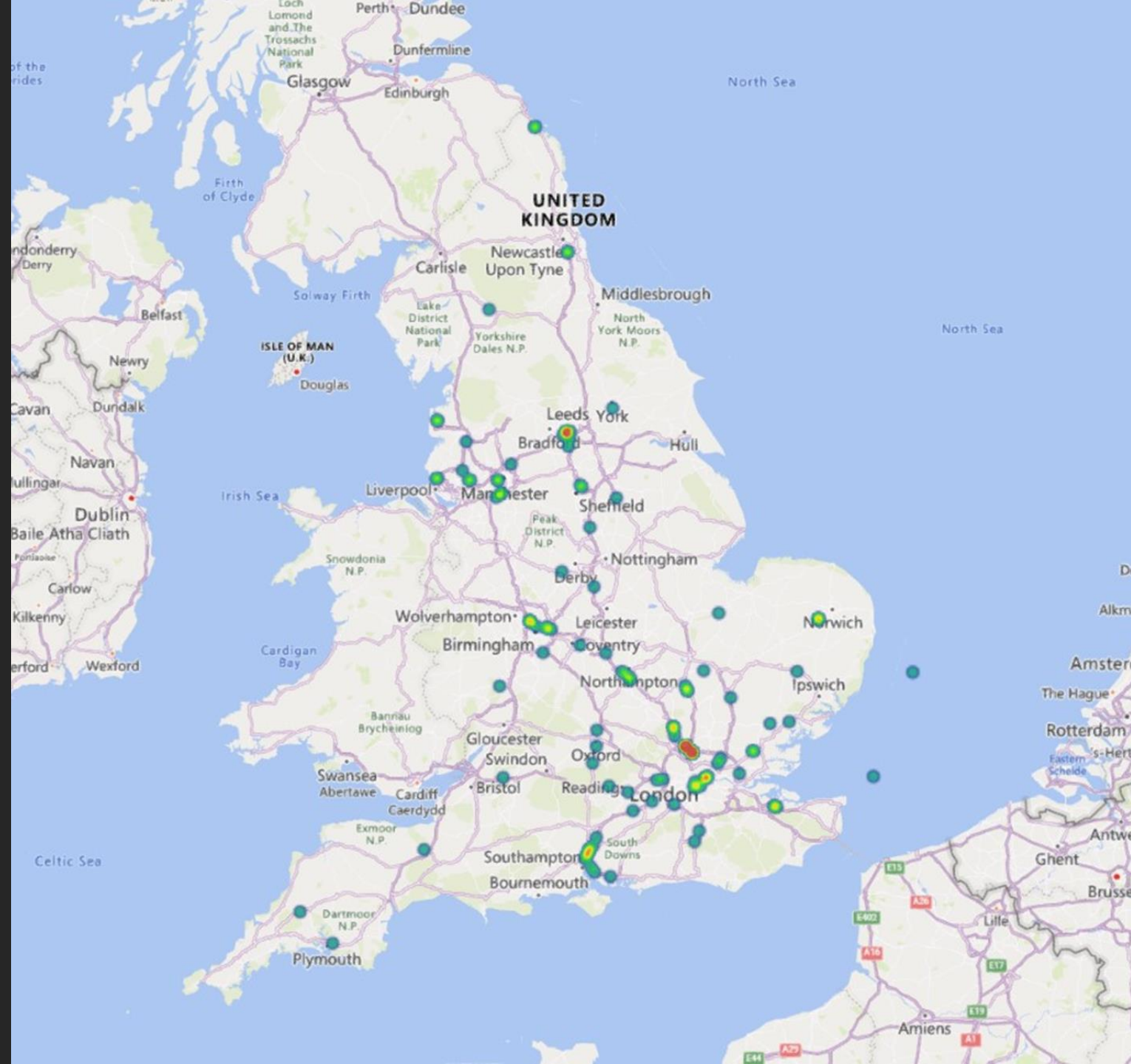
Record ID	Date	Time	Directorate	Region	Programme	Site / Project	Type of Closure	Type of TTM	Location	Specific Location	Details of actual job being done	Describe the facts of what happened	Immediate Actions Taken
150002	06/02/2024	16:08:00	Major Projects	East - Major Projects	East - SMP	MP-0453 - M1 J10-13	Lane Closure - Mainline	Standard works – Narrow Lane system inc. slips and links	Carriageway A	Not populated	Temporary Installation	Police vehicle entered works area and proceeded to drive at speed in works area.	Reported by adjacent workers.
150015	05/02/2024	23:13:00	Operations	South East - Operations	South East - Technical Surveys & Testing	TST - TST(N) - Four	Lane Closure - Mainline	Not populated	Carriageway hard shoulder	M23 11 53/6	Drainage survey	Private ambulance pulled into closure on hard shoulder	None
150386	16/02/2024	23:36:00	Operations	Yorkshire & North East - Operations	Yorkshire & North East - Asset Delivery	AD - M&R - Twelve	Not populated	Not populated	Not populated	Not populated	Installing TM	The police car approached the site with its lights and sirens on, traffic lights were on red, once it passed these lights its sirens were off, it crossed the junction and immediately entered our closure to cross the bridge deck, there were no operatives stood in the road at the time of this incident.	Operatives stood to the side until the police vehicle went past, made sure all was OK.

Blue Light Incursions Report - Headline

148 Blue Light Incursions have been recorded since February 2022 with **5** being recorded in February 2024 (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
150534	22/02/2024	17:01:00	Major Projects	East - Major Projects	East - SMP	MP-0453 - M1 J10-13	Lane Closure - Mainline	Standard works – Narrow Lane system inc. slips and links	Carriageway B	Not populated	Barrier removal works	Police vehicle entered the work zone	Reported to TSCO with the number plate of the vehicle.
150722	29/02/2024	09:44:00	Major Projects	East - Major Projects	East - SMP	MP-0453 - M1 J10-13	Lane Closure - Mainline	Standard works – Narrow Lane system inc. slips and links	Carriageway B	Not populated	Barrier removal works	Unmarked police vehicle drove past a worker (in lane 1) thinking the works traffic lane was behind the barrier.	Spoke with camera room to gain footage. Spoke with BB Ganger on site to make contractors aware and also get vehicle details as the police car was stuck behind a works van further down.

Heatmap of all Blue Light Incursions (BLI) recorded

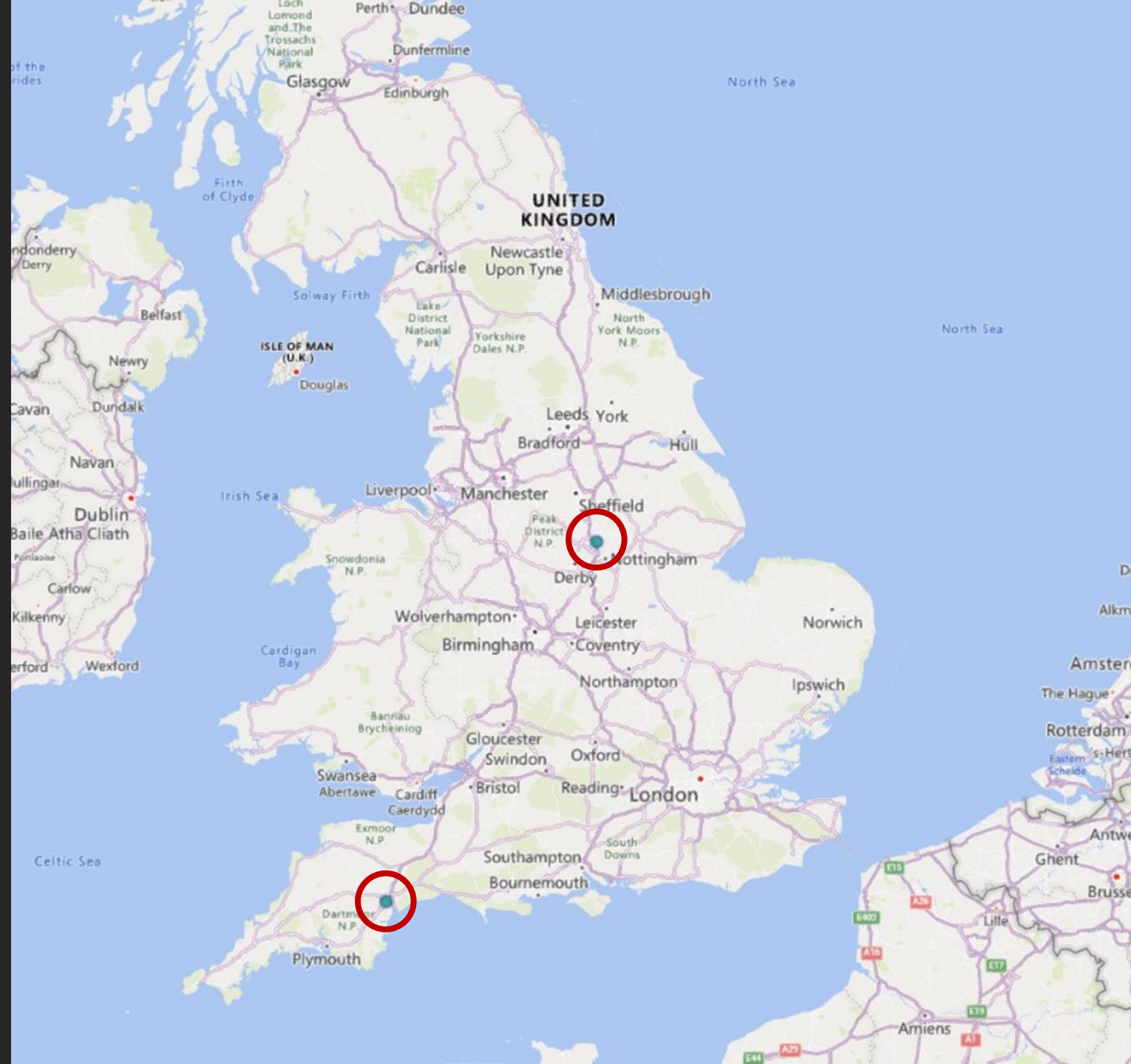


IPV Strike Report - Headline

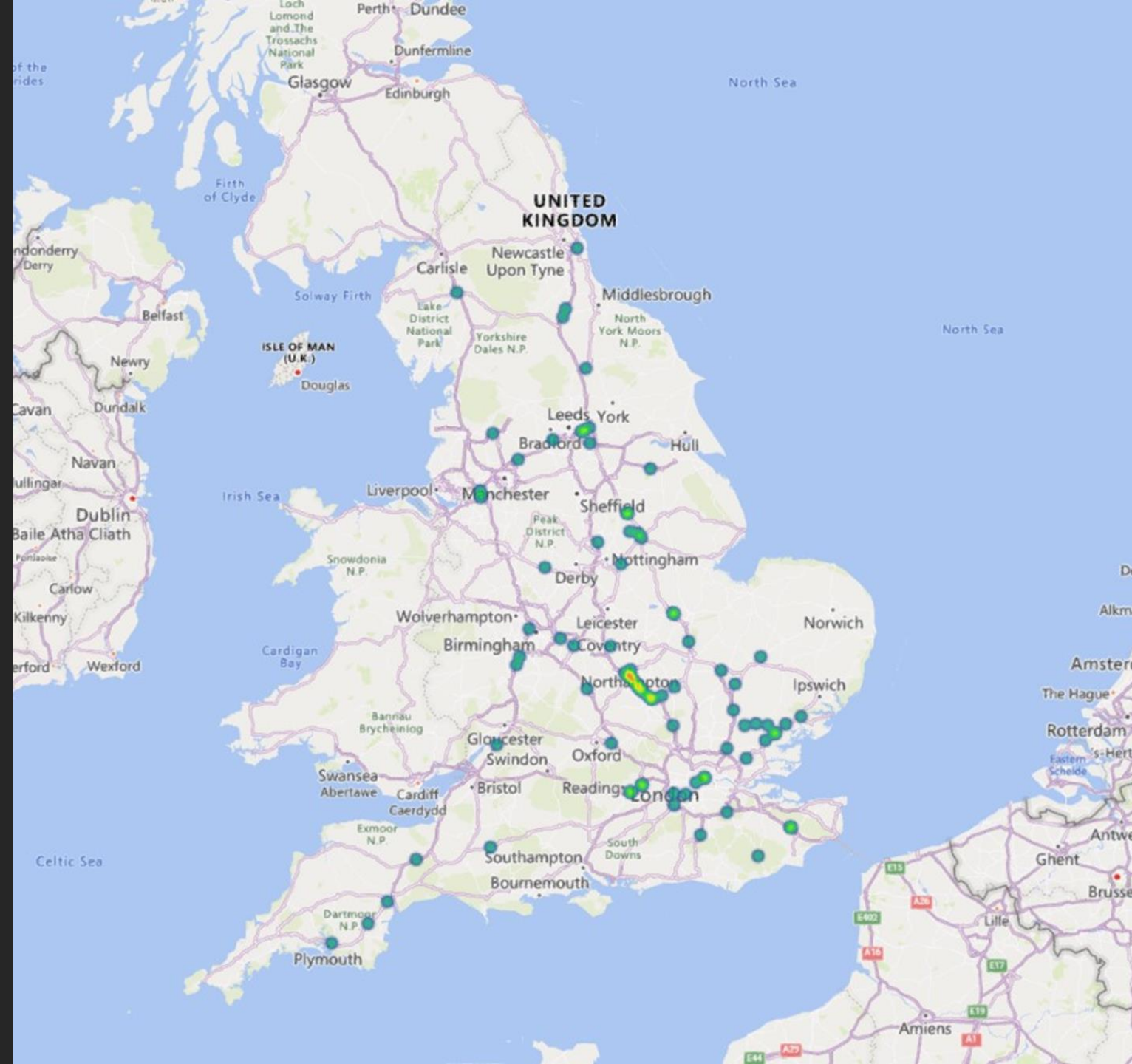
92 IPV strikes have been recorded since February 2019 with **2** being recorded in February 2024 (Edited Record)

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
149994	07/02/2024	01:30:00	Operations	Midlands - Operations	Midlands - Asset Delivery	AD - M&R - Seven	Lane Closure - Mainline	Relaxation works – Lane closure	Carriageway B	Not populated	Removal of nearside lane closure in place to complete a VRS repair	Works were completed, the taper was being removed when an HGV impacted the IPV at speed, pushing it down the carriageway. No other vehicles or personnel involved.	Police attended, statements taken, vehicles recovered, Amey investigation commenced
150311	15/02/2024	23:39:00	Operations	South West - Operations	South West - Area Contracts	Area 1 & 2	Full Closure - Slip Road	Relaxation works – Slip link side road closure	Carriageway A	Not populated	Full closure of M5 link for loop cuts	While setting up for a closure of the M5 link road the IPV was struck by a member of public vehicle	Not Populated

Heatmap of IPV Strikes recorded during February 24



Heatmap of all IPV Strikes recorded



Incursions Report

Directorate: Major Projects

Region: Yorkshire & North East

Project: MP-0699 - NEAR M1 J32-35

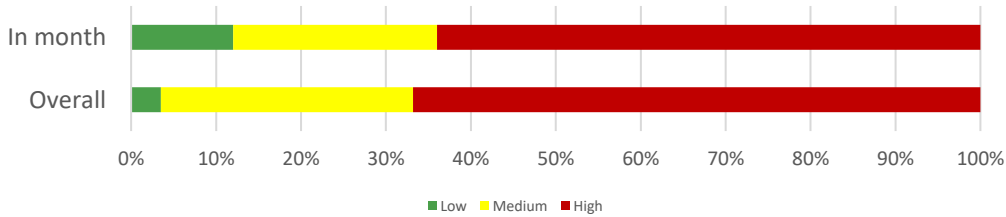
A total of 10 incursions have been recorded; with a 300% increase in 'Follow in' type incursions together with a 70% decrease in 'Driver confused' 50% decrease in 'Result of accident' 80% decrease in 'Seeking Benefit' type incursions

- 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 'all' incursion types
- Bottom right – localised heatmap of 'all' incursion types

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

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

Project Risk Rating

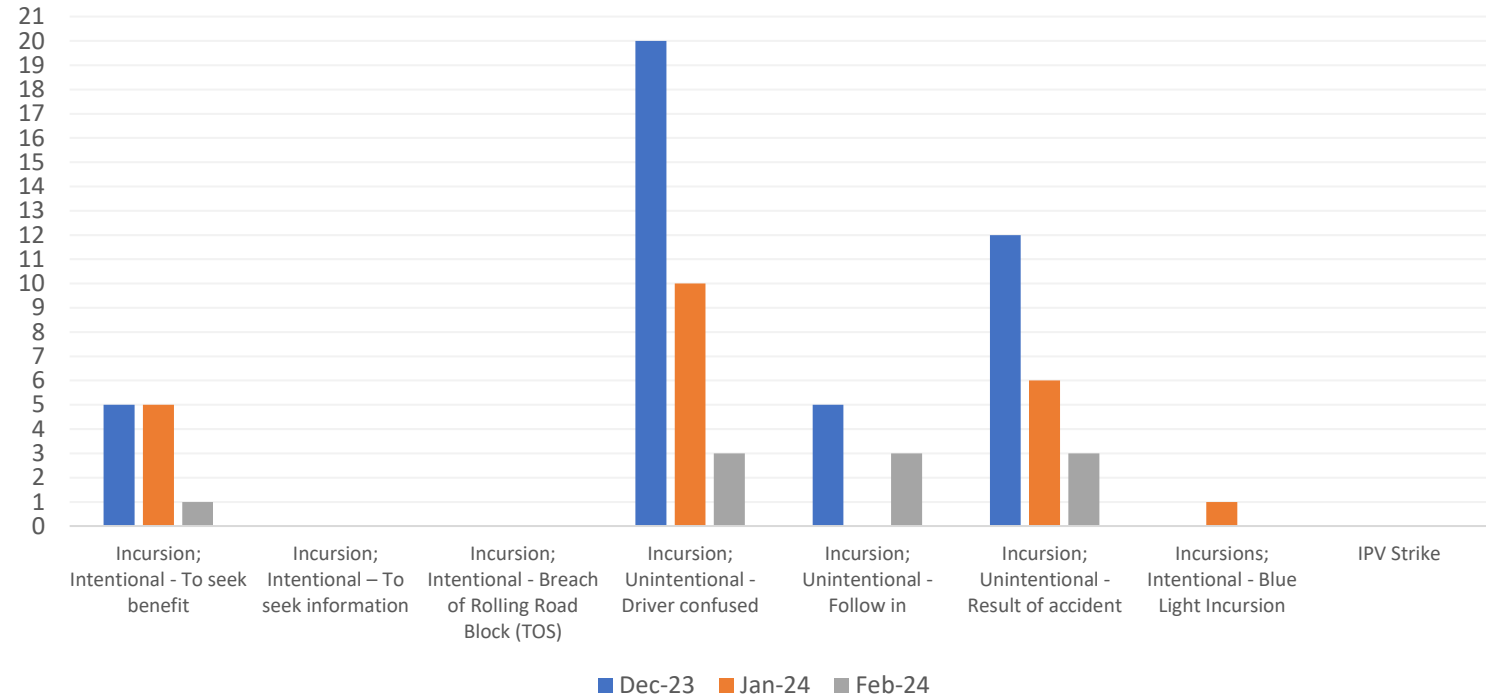


Incursion rate per length of TM (Unknown)

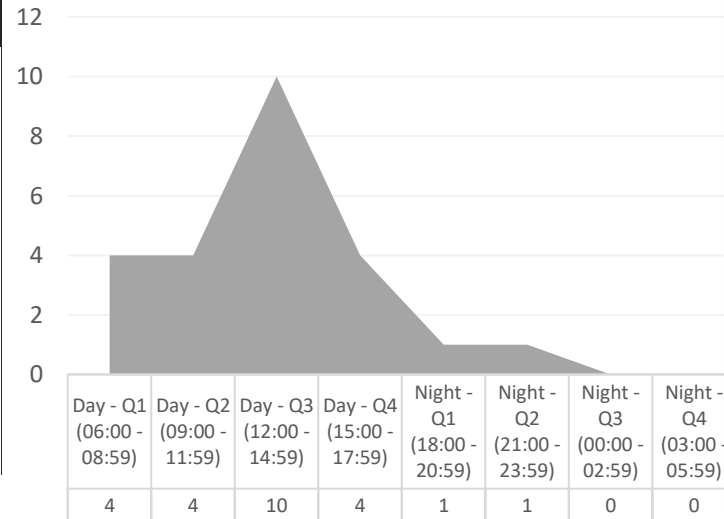
Project Incursion Rate: Length of TM data not available

Breakdown Rate: Length of TM data not available

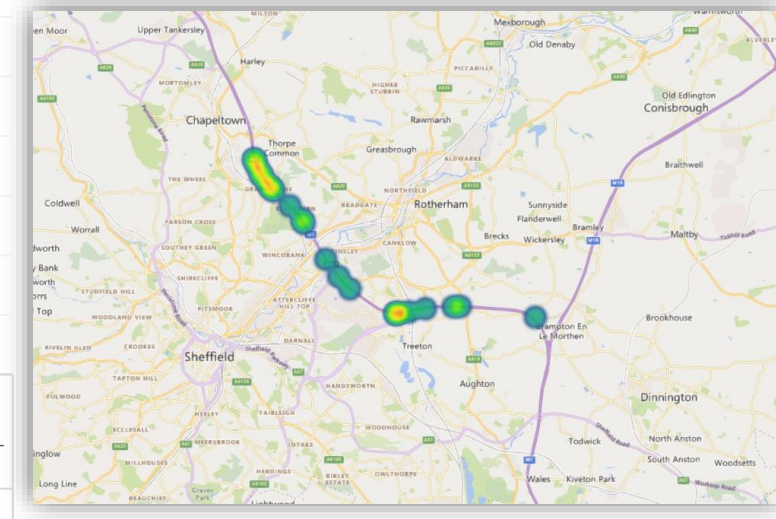
MP-0699 - NEAR M1 J32-35



Time Profile of Incursions recorded



Heatmap



Incursions Report

Directorate: Major Projects

Region: East

Project: MP-0453 - M1 J10-13

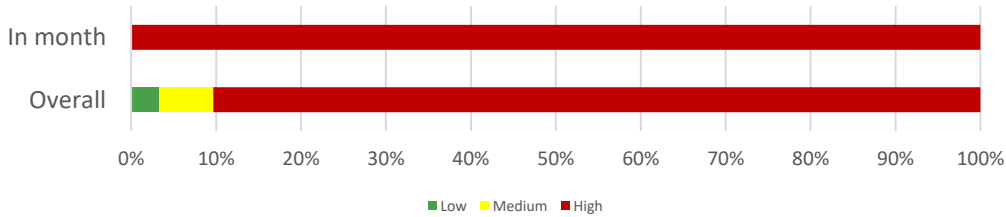
A total of 7 incursions have been recorded; with a 400% increase in 'Seeking Benefit' type incursions together with a 300% increase in 'Blue Light' type incursions

- 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 'all' incursion types
- Bottom right – localised heatmap of 'all' incursion types

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

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

Project Risk Rating

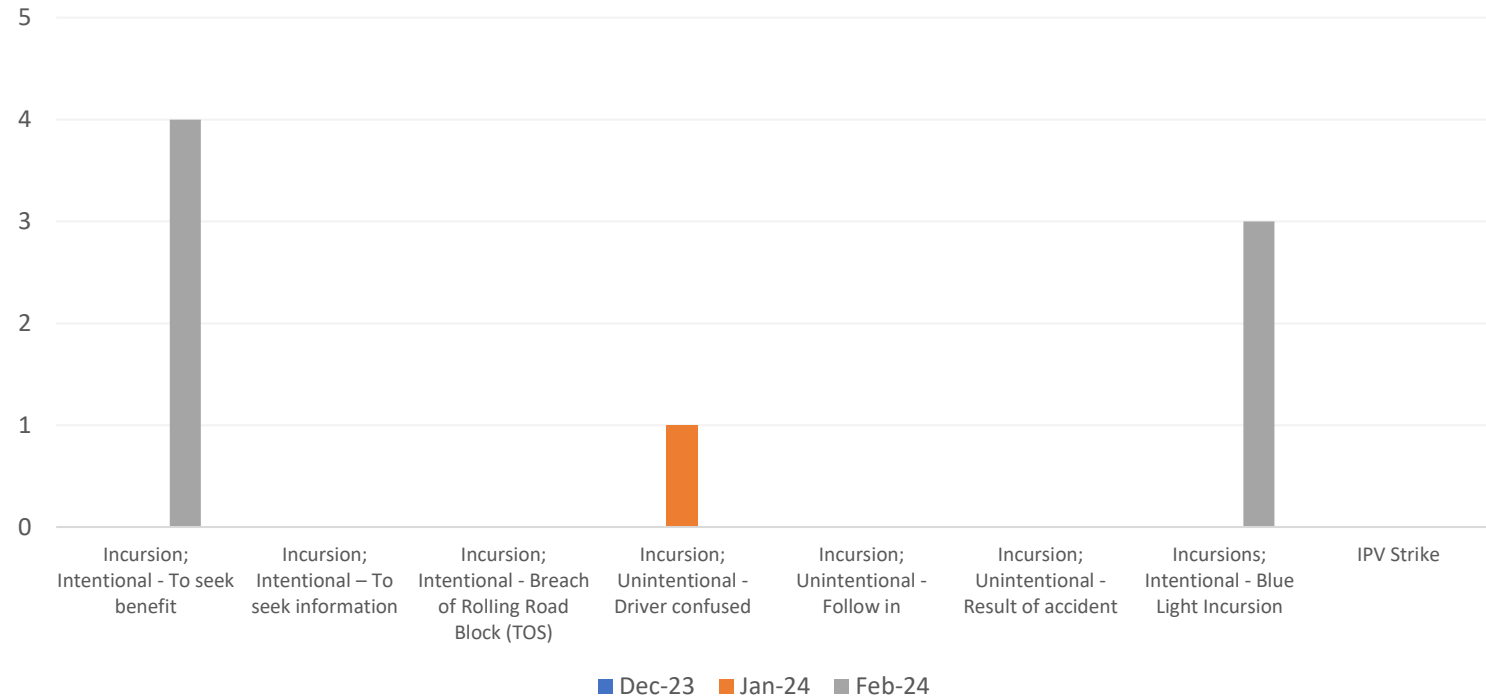


Incursion rate per length of TM (Unknown)

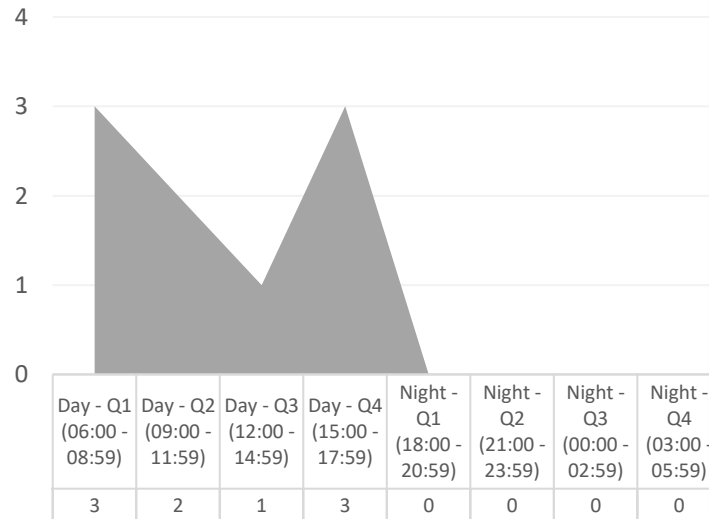
Project Incursion Rate: Length of TM data not available

Breakdown Rate: Length of TM data not available

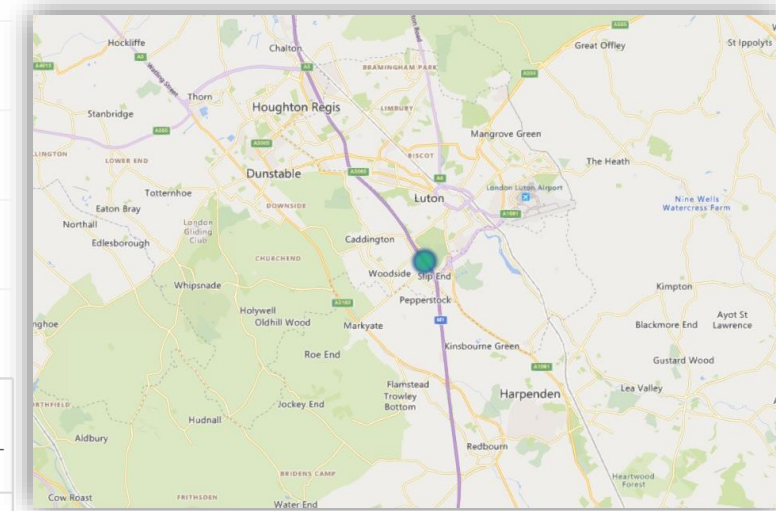
MP-0453 - M1 J10-13



Time Profile of Incursions recorded



Heatmap



Incursions Report

Directorate: **Operations**
 Region: **South East**
 Project: **Area 4**

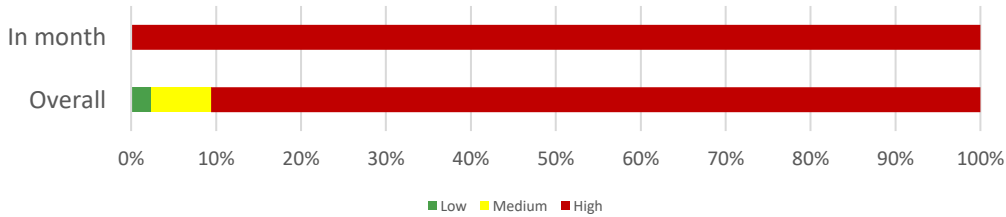
A total of 24 incursions have been recorded; with a 14% increase in 'Seeking Benefit' type incursions together with a type incursions

- 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 'all' incursion types
- Bottom right – localised heatmap of 'all' incursion types

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

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

Project Risk Rating

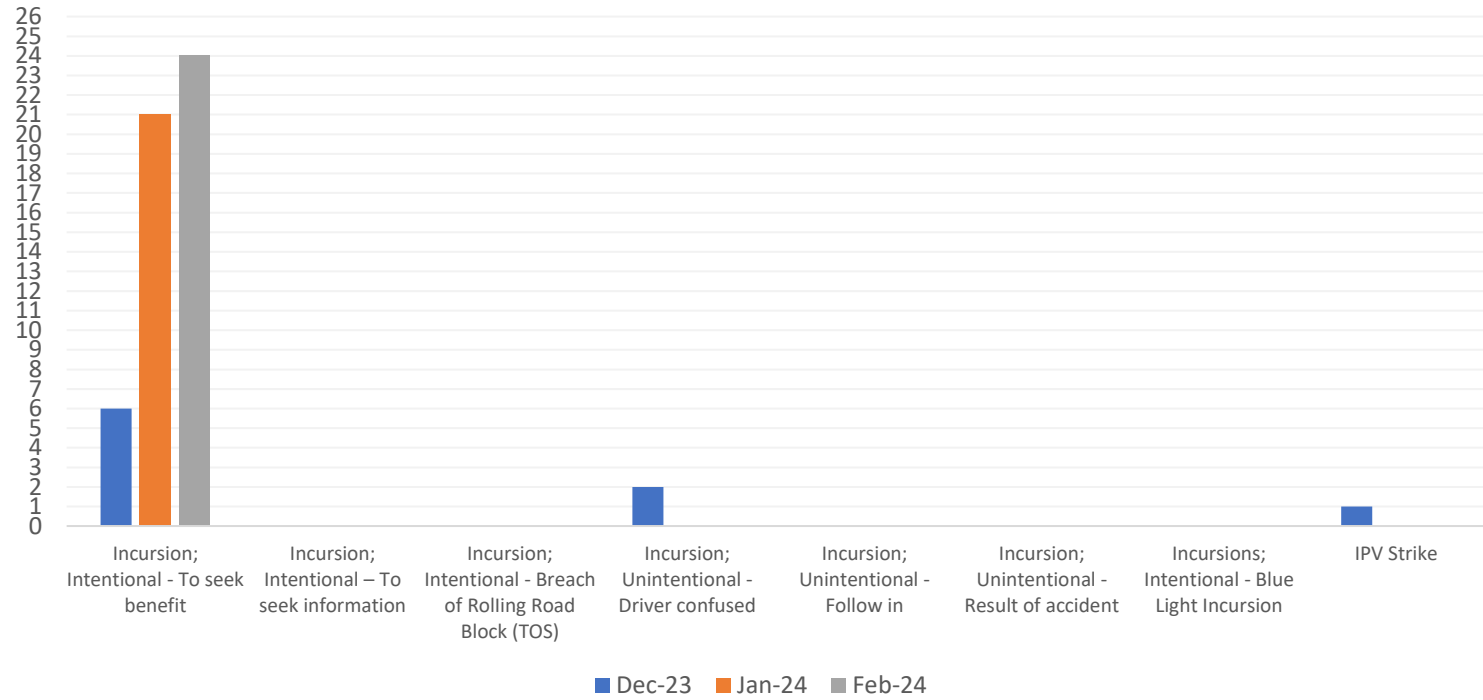


Incursion rate per length of TM (Unknown)

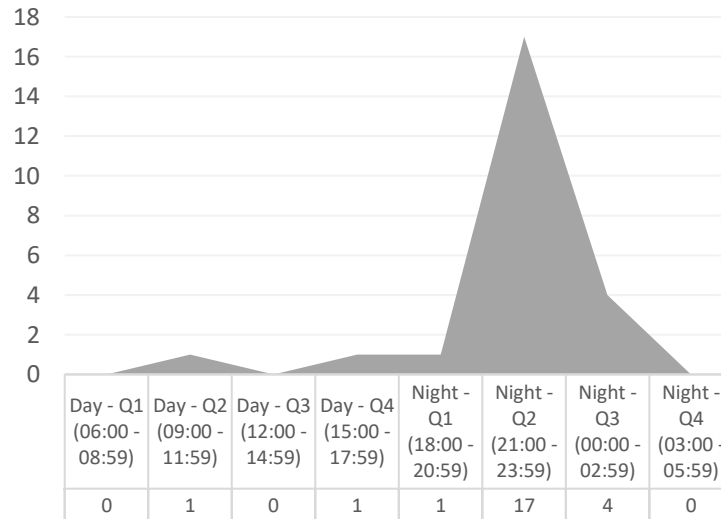
Project Incursion Rate: Length of TM data not available

Breakdown Rate: Length of TM data not available

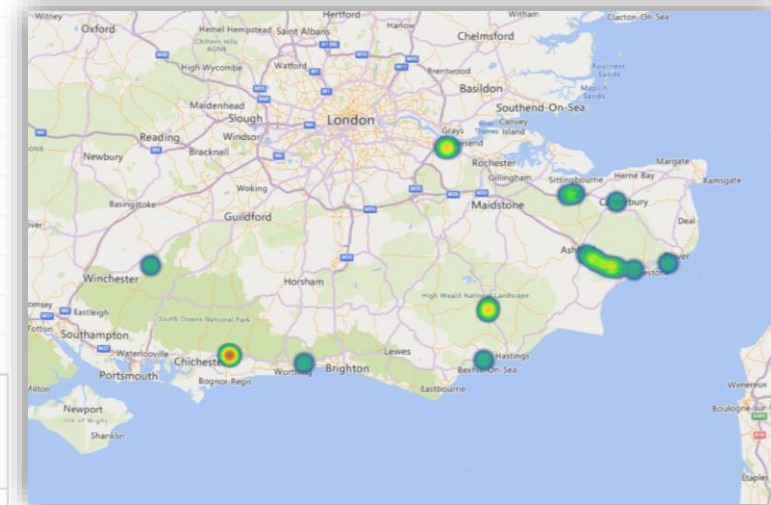
Area 4



Time Profile of Incursions recorded



Heatmap



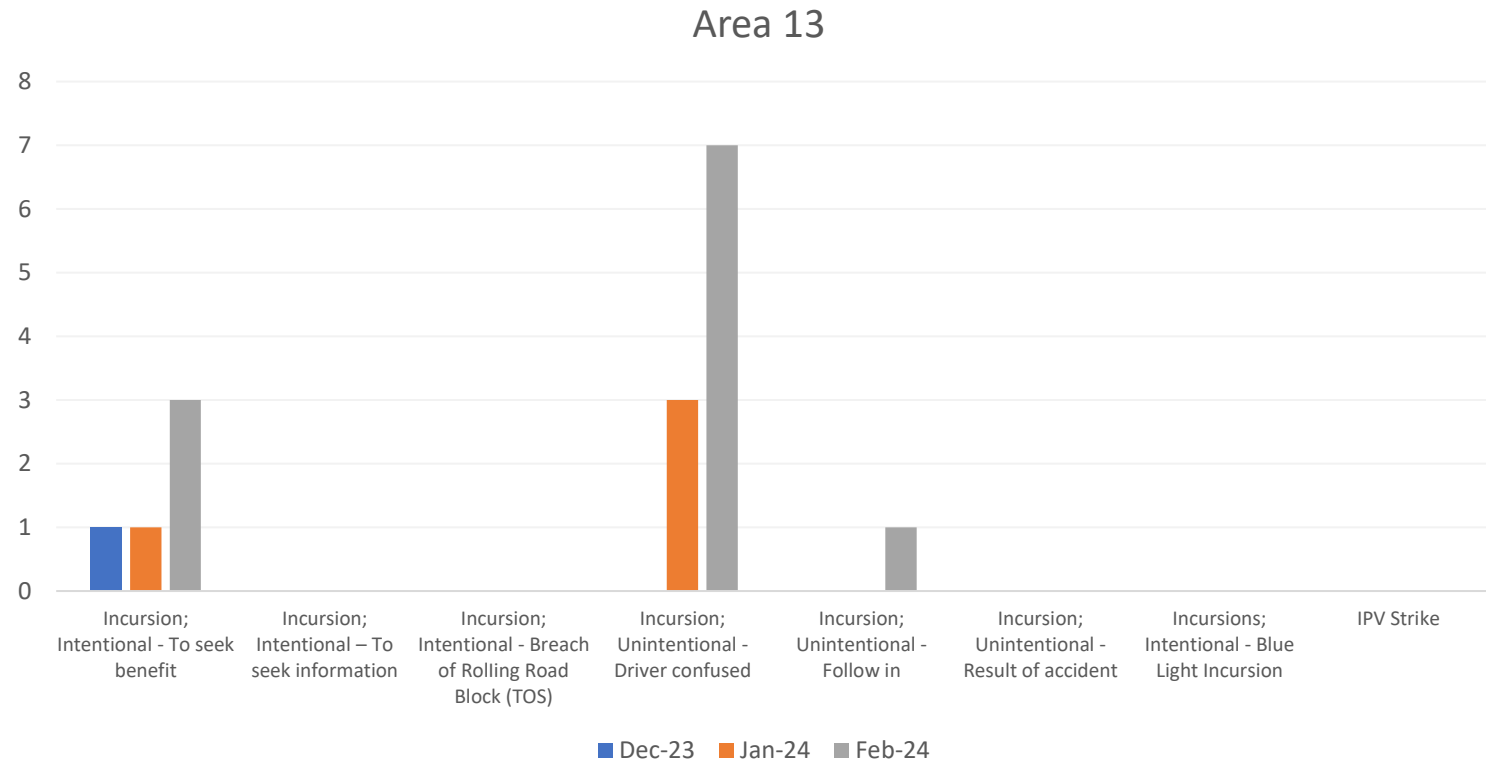
Incursions Report

Directorate: Operations
 Region: North West
 Project: Area 13

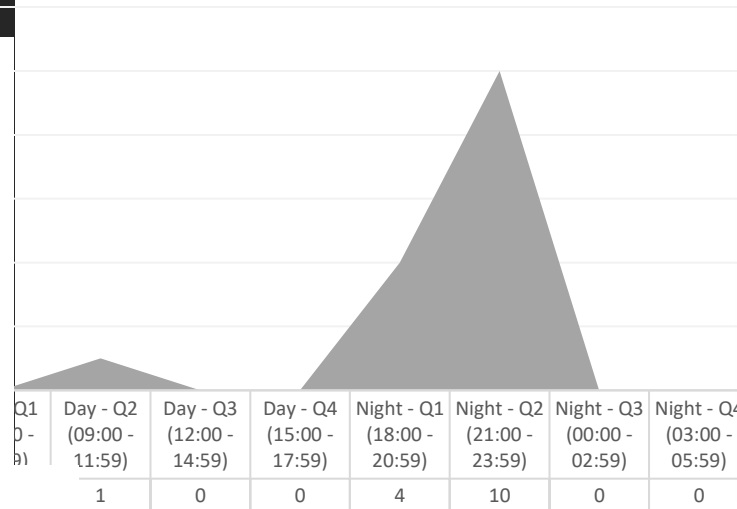
A total of 11 incursions have been recorded; with a 200% increase in 'Seeking Benefit' type incursions together with a 133% increase in 'Driver confused' 100% increase in 'Follow in' type incursions

- 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 'all' incursion types
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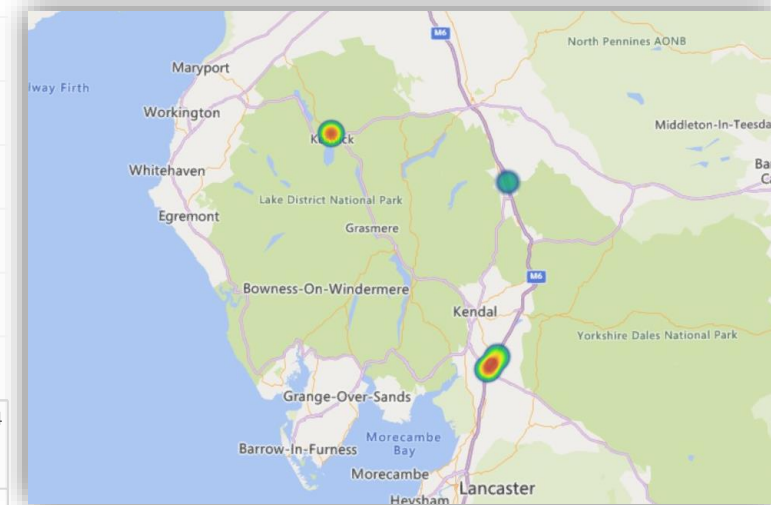
Type of Roadworks: Full & Lane Closures (Mainline & Slip)
 Type of TTM: Not Populated / Relaxed works (Lane & slip & links closures)



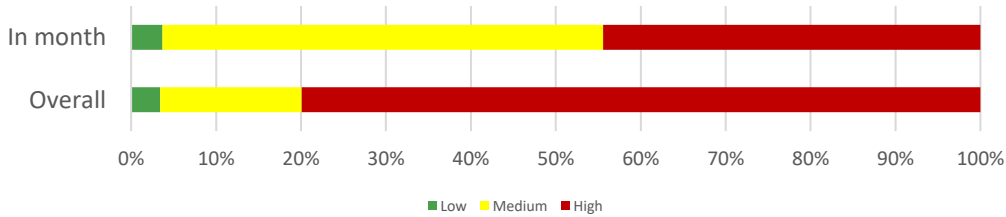
Time Profile of Incursions recorded



Heatmap



Project Risk Rating



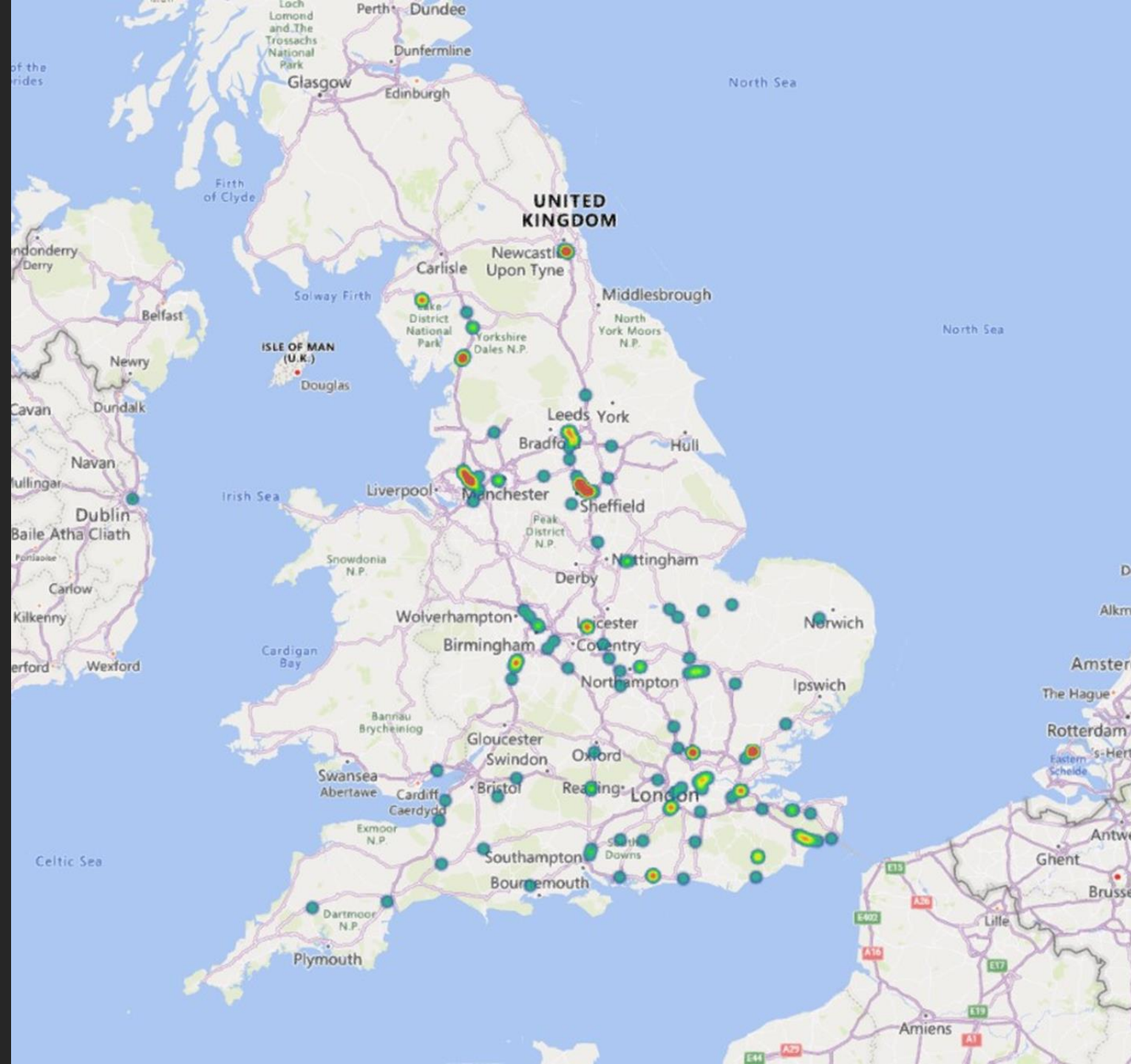
Incursion rate per length of TM (Unknown)

Project Incursion Rate: Length of TM data not available

Breakdown Rate: Length of TM data not available

Heatmap of Incursions recorded in February 2024

- “98% of all incursions were recorded with coordinates”



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

