**Scottish Borders COUNCIL**

# PEEBLES PARKING WORKING GROUP TO BE HELD ON WEDNESDAY, 9TH AUGUST, 2023

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# Please find attached the Appendix in respect of Item 3 on the agenda for the above meeting

| 3. | **Parking Survey Results** (Pages 3 - 10) | 10 mins |
|---|---|---|
| | (a) Citizen Space Off Street Parking Survey Results. (Copy attached.)<br>(b) Narrative responses from the online survey. (Copy attached.) | |

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# streetwise

## Carpark Excel Results – Explained.

The standard excel outputs contains several areas of results and analysis, the information below aims to explain each section:

| No. | Space Type | Zone |
|-----|-----------|------|
| CP1 | Marked Bay | 1A |
| CP2 | Marked Bay | 1A |
| CP3 | Marked Bay | 1A |
| CP4 | Marked Bay | 1A |
| CP5 | Marked Bay | 1A |

**No.** – Unique space number for each carpark space (CP1, CP2…CP50) matches the total number of spaces available including Outwith Bays.

**Space Tyre** – The type of individual space for Example a Standard, Disabled Parent & Child etc… Each space can only have a single classification – Outwith Bay represents an illegal parking occurrence.

**Zone** – a Group of spaces typically together in a continues row for ease of reporting (Number refers to the Carpark Ref ID and the letter the Zone – Starting from A)

| 07:00 - 08:00 | 08:00 - 09:00 |
|---------------|---------------|
| Beat 1 Registration | Beat 2 Registration |
| | |
| | |
| RBO | RBO |
| | UZO |
| LFE | LFE |
| | |
| LKM | LKM |

**Time (07:00 – 08:00)** – The survey beat time intervals ( E.g. hourly beats, 30 min beats, 15 min beats etc) with Start time.

**Beat Number** – based on the time period and the starting beat – numerical order.

**RBO (example)** – Last 3 digits of the vehicle registration parked in the carpark space – GREEN CELLS are the 1st occurrence of that reg (new arrival), BLUE CELLS identifies that it's the same vehicle as the previous beat (existing vehicle).

| | |
|---|---|
| Marked Bays | 186 |
| Unmarked Bays | 0 |
| Disabled Bays | 8 |
| Parent & Child | 0 |
| Drop Off Bay | 0 |
| E Charging Bays | 2 |
| Staff Only Bays | 0 |
| Permit Holders Only | 0 |
| Taxi Bay | 2 |
| Total | **198** |
| Outwith Bay | 0 |

**Space Types** – total number of carpark spaces for the carpark broken down by Space Type – **outwith bay** is parking external to a marked space.

| Beat Period | 07:00 - 08:00 |
|---|---|
| Arrivals | 46 |
| Departures | 0 |
| Occupancy | 46 |
| % Occupancy | 23.2 |

**Arrivals** – The number of NEW arrivals logged during a survey beat.

**Departures** – The number of vehicle departures logged during a beat (vehicle no longer present in the space or change of vehicle last 3 registration marker logged).

**Occupancy** – number of spaces during the beat (example 07:00 – 08:00) which has a vehicle present.

**% Occupancy** – Calculation – Occupancy ÷ Available spaces within the carpark.

*Table Below covers Per Space stats.*

| | Duration of stay (Hours) | | | | |
|---|---|---|---|---|---|
| Zone | Hours space occupied | No. occupants | Maximum | Minimum | Average |
| 1A | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1A | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1A | 12.00 | 1.00 | 12.00 | 12.00 | 12.00 |
| 1A | 8.00 | 1.00 | 8.00 | 8.00 | 8.00 |
| 1A | 12.00 | 4.00 | 4.00 | 1.00 | 3.00 |

**Hours Space Occupied** – Number of beats that the space has a vehicle present.

**No. of Occupants** – The number of different vehicles parked during the survey – per space.

**Max stay** – The maximum duration a vehicle stayed – Space Specific.

**Min stay** – The minimum duration a vehicle stayed – Space Specific.

**Average** – The average duration a vehicle stayed – Space Specific – across the survey period.

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***Table Below covers Per Zone stats.***

| Zone | Average Utilisation of spaces in zone (hours) | Total Vehicles | Max Observed Stay | Min Observed Stay | Average Observed Stay |
|---|---|---|---|---|---|
| 1A | 7.29 | 100.00 | 12.00 | 0.00 | 4.28 |
| 1B | 7.25 | 12.00 | 8.00 | 1.00 | 2.83 |
| 1C | 8.88 | 33.00 | 12.00 | 1.00 | 6.50 |
| 1D | 8.35 | 74.00 | 12.00 | 1.00 | 4.71 |
| 1E | 8.41 | 71.00 | 12.00 | 1.00 | 5.20 |
| 1F | 8.76 | 72.00 | 10.00 | 1.00 | 4.66 |
| 1G | 8.00 | 11.00 | 8.00 | 1.00 | 3.94 |
| 1H | 7.03 | 108.00 | 9.00 | 0.00 | 3.03 |
| 1I | 5.67 | 33.00 | 4.00 | 1.00 | 1.64 |

**Average Utilisation** – average use of the spaces across the zone.

**Total Vehicles** – Total number of unique vehicles logged across the ***zone*** during the parking survey.

**Max Observed stay** – The maximum duration a vehicle stayed – Zone Specific.

**Min Observed stay** – The minimum duration a vehicle stayed – Zone Specific

**Average Observed Stay** – The average duration a vehicle stayed – Zone Specific – across the survey period.

***Duration of Stay (in beats) table per arrival beat – Space Specific***

| 07:00 - 08:00 | 08:00 - 09:00 | 09:00 - 10:00 | 10:00 - 11:00 | 11:00 - 12:00 | 12:00 - 13:00 | 13:00 - 14:00 |
|---|---|---|---|---|---|---|
| Beat 1 Registration | Beat 2 Registration | Beat 3 Registration | Beat 4 Registration | Beat 5 Registration | Beat 6 Registration | Beat 7 Registration |
|  |  |  |  |  |  |  |
| 12 |  |  |  |  |  |  |
|  | 8 |  |  |  |  |  |
| 4 |  |  |  | 1 | 3 |  |
|  |  | 7 |  |  |  |  |
| 2 |  | 6 |  |  |  |  |
|  |  |  | 1 | 3 |  |  |
|  |  |  |  | 2 |  | 3 |
|  |  |  | 1 |  | 2 |  |
|  |  |  |  | 2 |  | 2 |
| 8 |  |  |  |  |  |  |
|  |  |  |  | 3 |  |  |
|  |  |  | 7 |  |  |  |
|  |  |  |  | 3 |  |  |

The table above shows the number of beats each vehicle arrival has stayed ( E.g. at 07:00-08:00 a vehicle arrived in the 3rd space and stayed for 12 beats).

### No of vehicle Arrivals and Duration Table

| Stay beat | 07:00 - 08:00 | 08:00 - 09:00 | 09:00 - 10:00 |
|---|---|---|---|
| 1 | 1 | 3 | 17 |
| 2 | 5 | 3 | 8 |
| 3 | 4 | 0 | 2 |
| 4 | 2 | 0 | 2 |
| 5 | 3 | 0 | 4 |
| 6 | 3 | 3 | 5 |
| 7 | 3 | 3 | 2 |
| 8 | 15 | 2 | 13 |
| 9 | 2 | 5 | 10 |
| 10 | 0 | 1 | 5 |
| 11 | 1 | 1 | 0 |
| 12 | 7 | 0 | 0 |

The table above shows the Number of vehicles that have arrived in each time period and how long (in beats) they have stayed for.

E.g for the **07:00- 08:00 arrival beat** there is the following findings:-

- 1 Vehicle stayed for 1 beat.
- 5 Vehicles stayed for 2 beats
- 4 Vehicles stayed for 3 beats
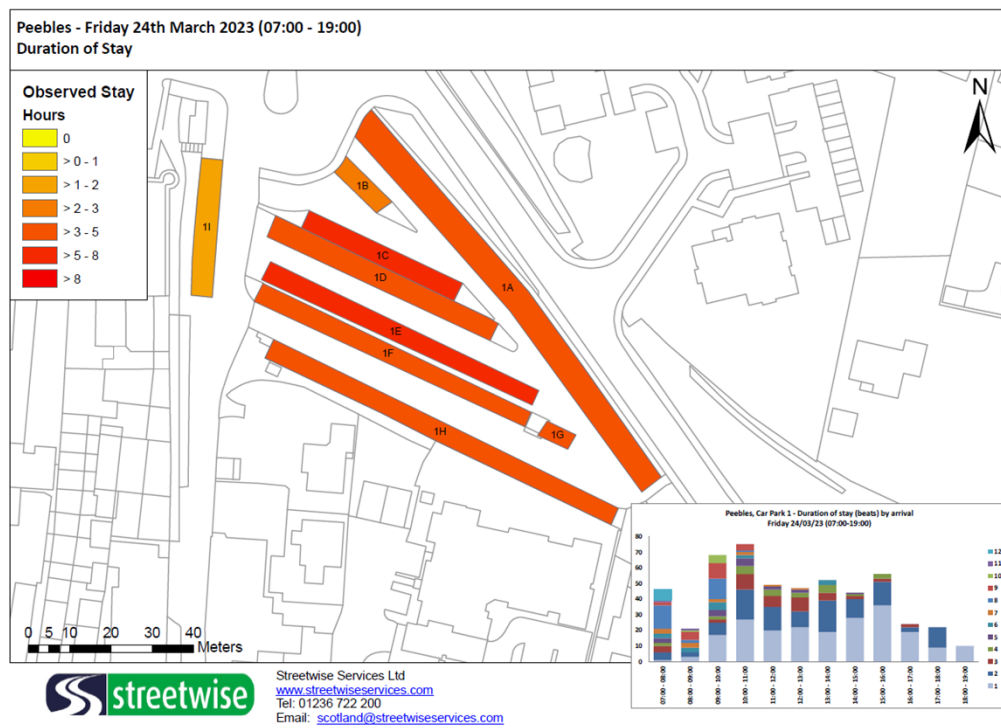- 2 Vehicles stayed for 4 beats
- 3 Vehicles stayed for 5 beats ………

# Carpark PDF Outputs – Explained.

The standard outputs supplied as part of a Streetwise Carpark Output format is as follows :-

- Carpark Duration PDF
- Carpark Occupancy PDF
- Carpark Turnover PDF
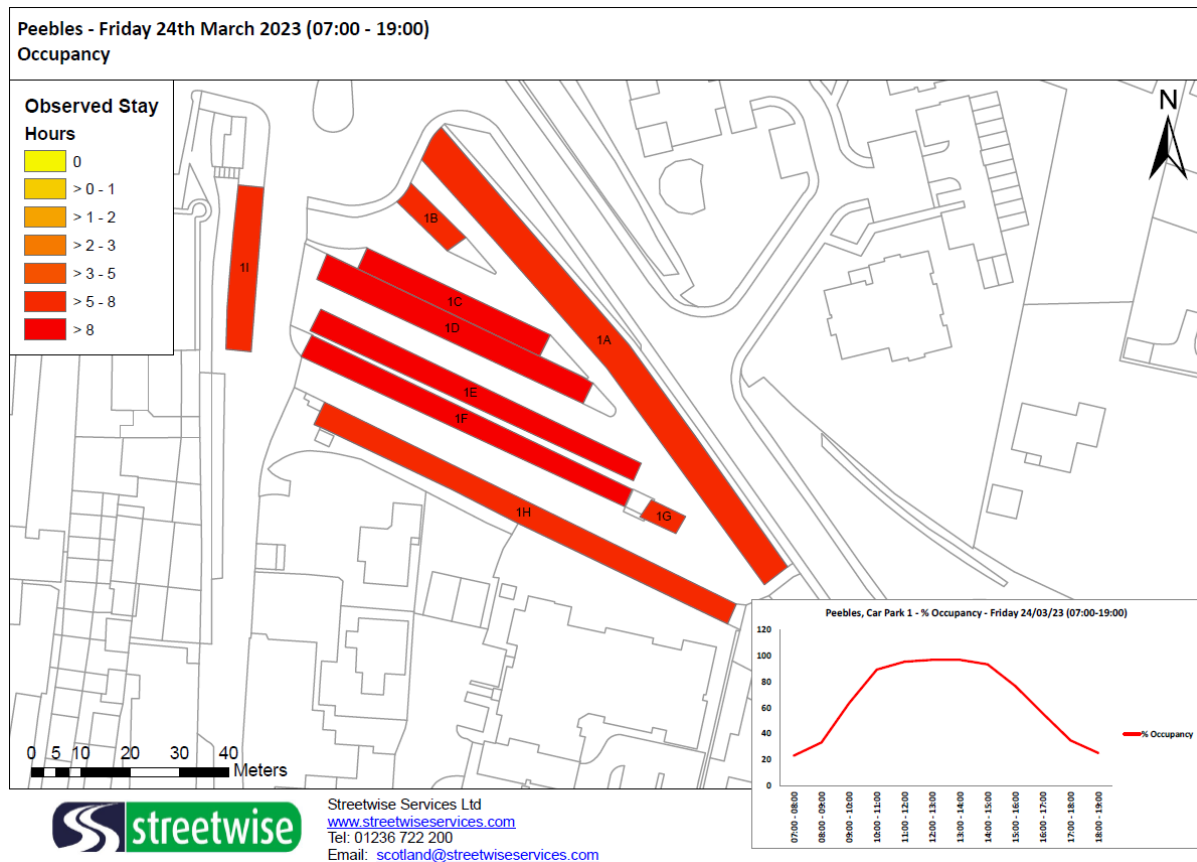
## *Carpark Duration PDF (Example Below)*



## *Explanation*

The above graphical output represents each parking zone (Zone defined as a group of parking spaces within a set area) colour coded to show the **average** "Duration of stay" of the zone based on the actual stay observed per space (utilisation).

*Working example:- A zone of parking spaces with 4 recorded vehicles stays of 4hrs, 1hr, 3hrs and 4hrs, therefore the zone has an average stay of 4 hours. (keynote - spaces with no logged stay will affect the overall value).*

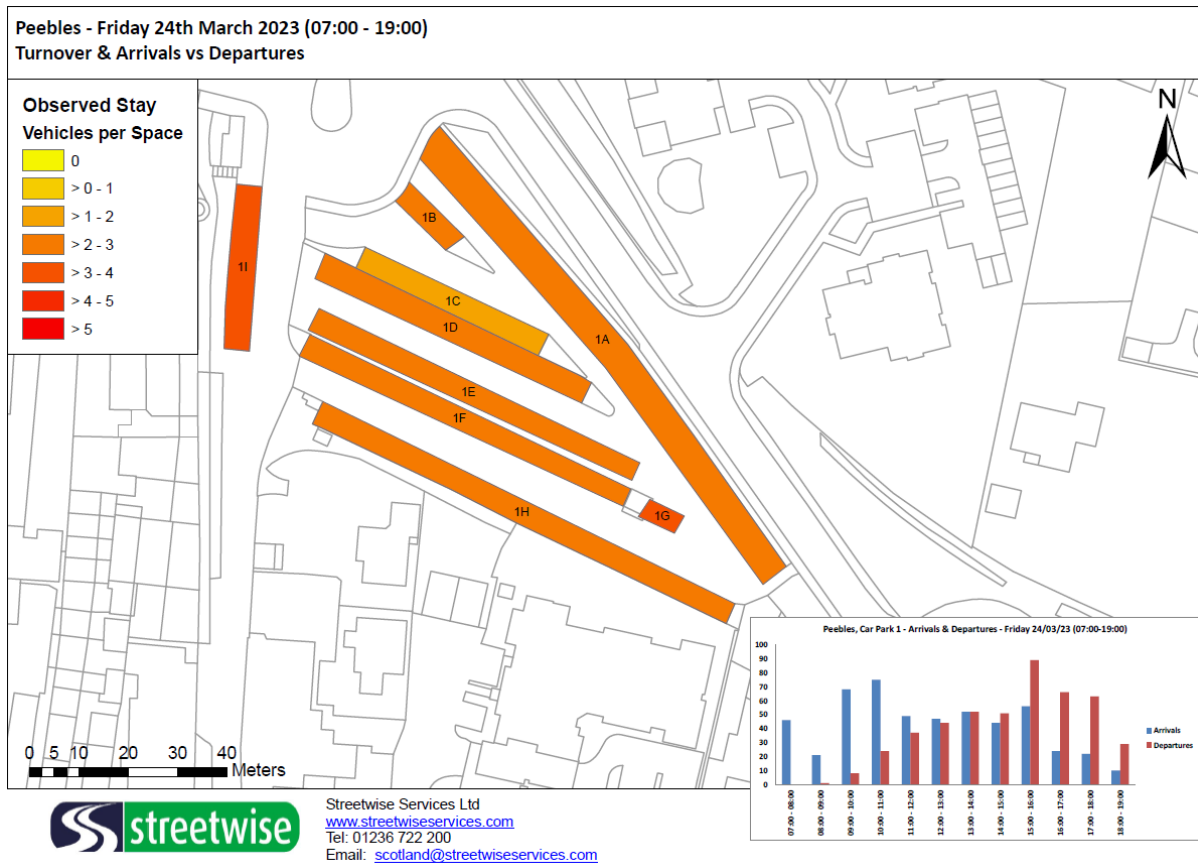## Carpark Occupancy PDF (Example Below)



## Explanation

The above graphical output represents each parking zone (Zone defined as a group of parking spaces within a set area) colour coded to show the **average** "Occupancy" of the zone based on the actual logged usage of each space within the zone – duration of the survey that the space is occupied.

*Working example:- A zone of 10 parking spaces, being surveyed for a 6 hour duration, has 4 recorded space occupancy records of 4hrs, 1hr, 3hrs and 4hrs, therefore the zone has an average occupancy of 1.2 hours per space ( keynote - spaces with no logged occupancy will affect the overall value).*

## Carpark Turnover PDF (Example Below)



## Explanation

The above graphical output represents each parking zone (Zone defined as a group of parking spaces within a set area) colour coded to show the *varied number of different users/vehicles* "Turnover" of the zone based on the actual logged details of the occupant of each space within the zone – how many different event logs of each space.

*Working example:- A zone of 10 parking spaces, has 5 recorded spaces where there are 3 unique visitors to each space over the survey periods, therefore the zone has an average Turnover of 1.5 hours per space. (Total No. of vehicles logged in the zone divided by the available No. of spaces).*

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