Cheltenham Parking Review

GCC parking strategy states…

- Local Transport Plan objectives

- Effectively manage kerbside space, maintain road safety and traffic flow

- Improve air quality and the local community

- Electric Vehicle infrastructure

- Access to local facilities

- Encourage sustainable travel

- Align with local off street parking strategies

ATKINS
Member of the SNC-Lavalin Group

This presentation sets out data collected as part of a review of parking in Cheltenham. The data may be used to quantify parking issues in the town, and to help understand travel patterns and parking behaviour.

The data includes:

Vehicle ownership information, provided by the DVLA

Off-street parking availability data provided by the Valuation Office

Results of a Parking Survey undertaken in February and May/June 2020:

How many vehicles were parked in the town

How long these vehicles stayed, and

Where these vehicles came from

Parking survey and design

ANPR car used to gather data within the survey area

- For each location the parking beat will be repeated for three time periods on two separate days each falling within a 7-day period.

Information gathered;

- Geographic Location of Vehicle
- Time Stamp of data record
- Vehicle Registration Mark

Results analysed

- Occupancy
- Capacity
- Origin

Vehicle Ownership – Cheltenham 2020

The percentage of vehicles licenced in Gloucestershire are broken down by postcode area.

Vehicle ownership is fairly spread out across Gloucestershire, ranging from 1%-6% in most postcode areas.

The Cheltenham postcode (GL52) area in within this range, containing 3-6% of the vehicles licenced in the whole of Gloucestershire.

The GL14 postcode represents the Forest of Dean area. The high percentage of vehicles licenced here may be due to company vehicle stocks etc.
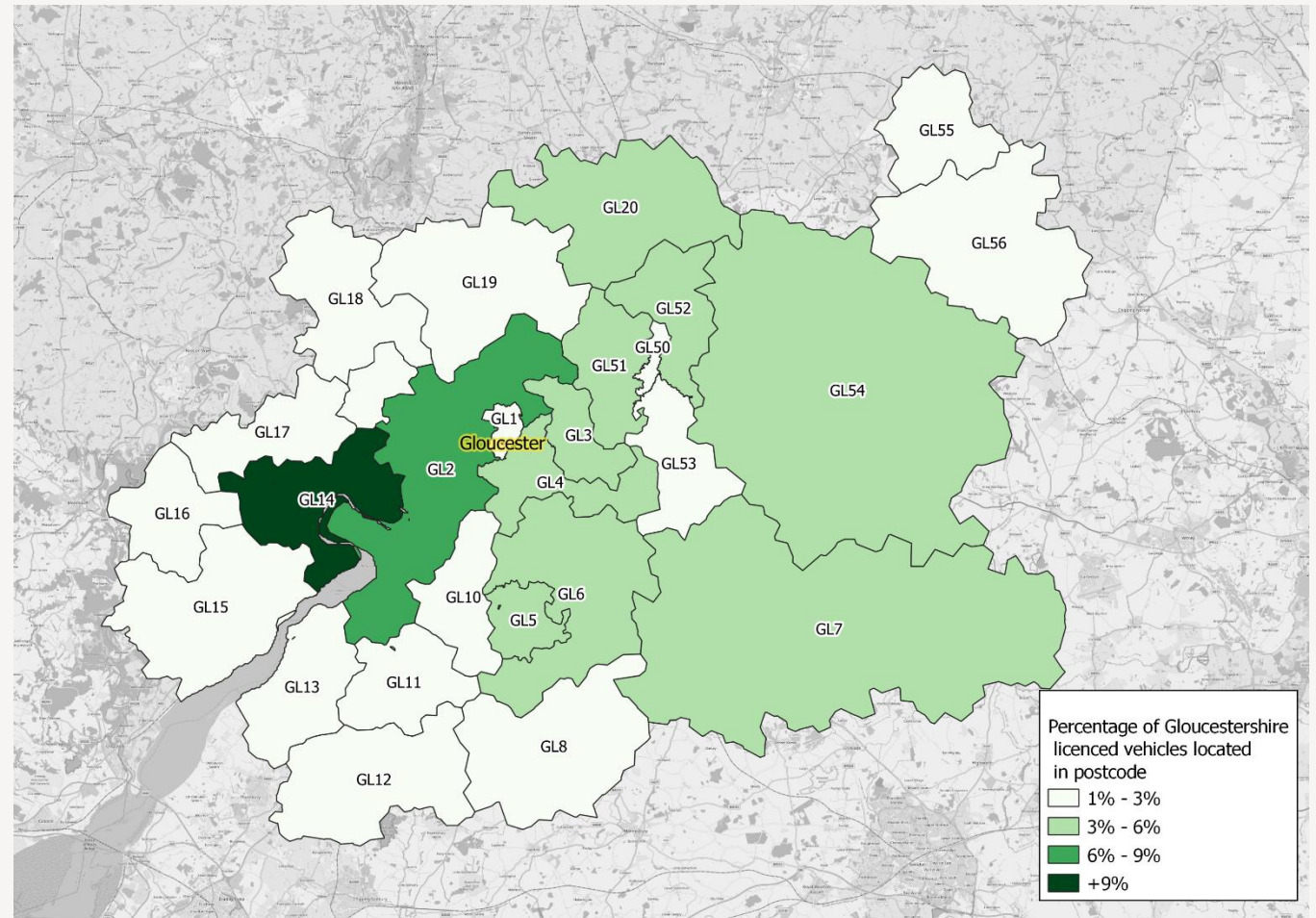
Vehicle ownership data by postcode district taken from DfT (VEH 122)
https://www.gov.uk/government/statistical-data-sets/all-vehicles-veh01

2020 Parking Survey – Cheltenham

On-Street Parking Review of Cheltenham

ATKINS
Member of the SNC-Lavalin Group

Gloucestershire
COUNTY COUNCIL

Parking survey

A parking survey was undertaken in February (Pre UK Covid-19 Lockdown) and May / June 2020 (During UK Covid-19 Lockdown) . The survey took place both weekdays and a Saturday, with counts being taken during the AM-peak, inter-peak, and PM-peak for each day.

The results from the surveys tell us

How many vehicles were parked in the town

How long these vehicles stayed, and

Where these vehicles came from

The analysis presented on the following pages shows parking patterns on a typical weekday and Saturday using data collected both before a UK wide lockdown was imposed and during the lockdown in May/June.

Cheltenham Survey Zones

For the purpose of developing an insight into the demand for on-street parking, central Cheltenham has been divided into four key zones which can be seen in the map to the right.

Zone A – *Northern area*
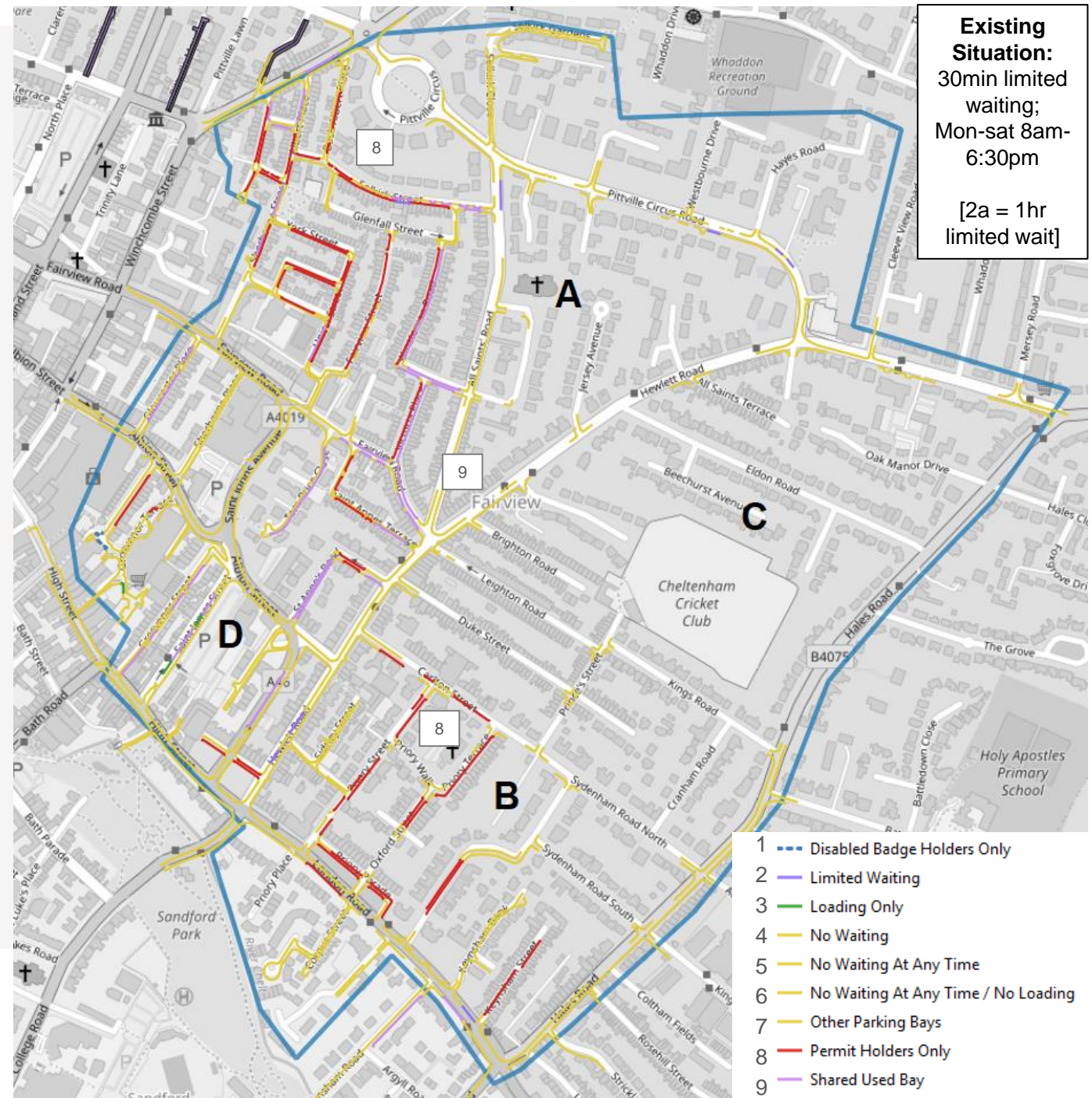**Zone B** – *Southern area*
Zone C – *Eastern area*
Zone D – *Western area*

Cheltenhams's On-street ANPR Parking Survey Area
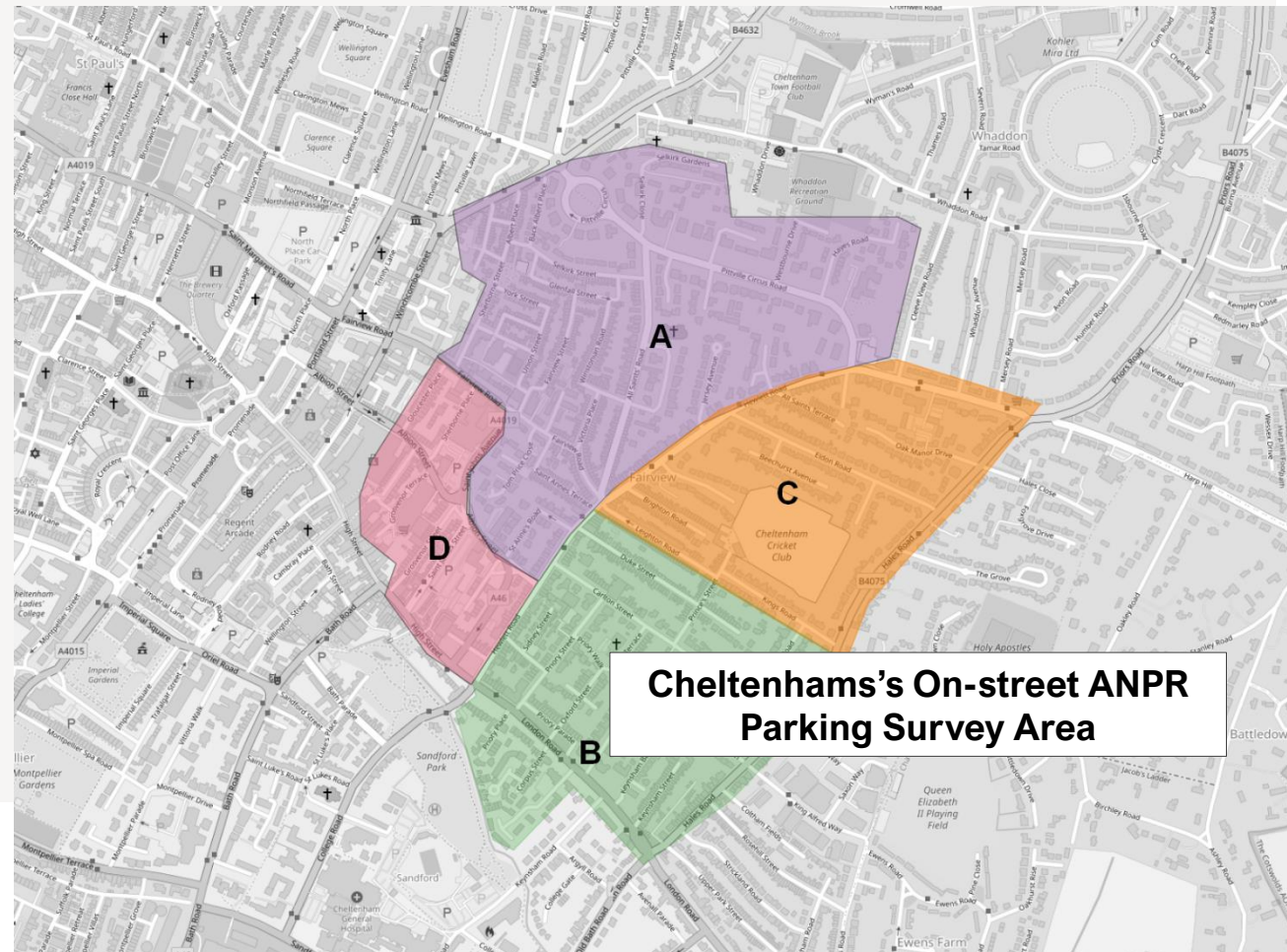
Current Situation

Zone A

Zone B

Zone C

Zone D

Existing Situation: 30min limited waiting; Mon-sat 8am-6:30pm

[2a = 1hr limited wait]

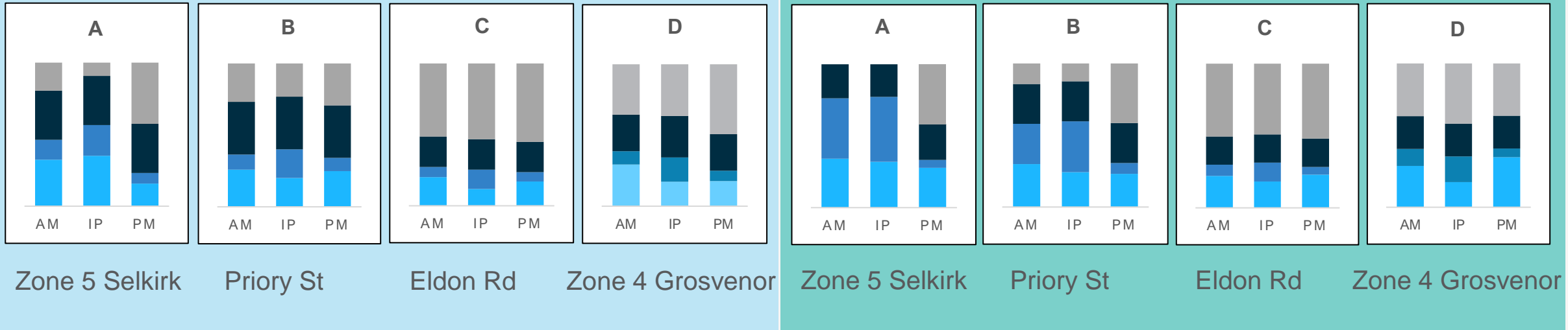|	
1	Disabled Badge Holders Only
2	Limited Waiting
3	Loading Only
4	No Waiting
5	No Waiting At Any Time
6	No Waiting At Any Time / No Loading
7	Other Parking Bays
8	Permit Holders Only
9	Shared Used Bay

Zone Review

Share of parking duration by zone

Legend (bar chart): ■ Short ■ Medium ■ Long

Pie charts: A, B, C, D
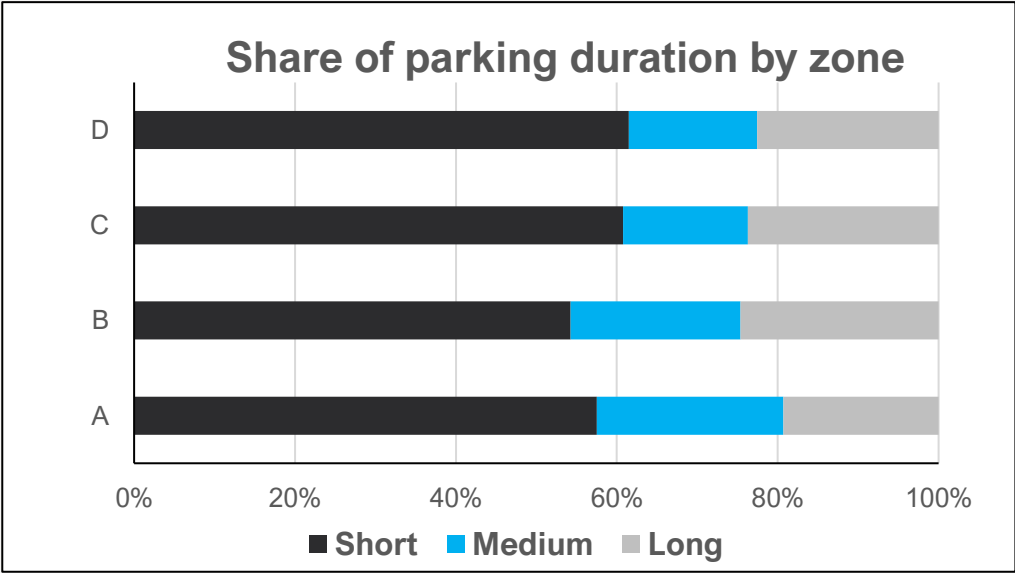
■ 1	Short	
■ 2	Medium	
■ 3	Long	
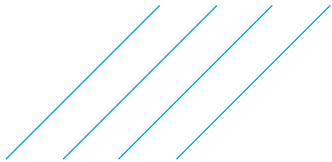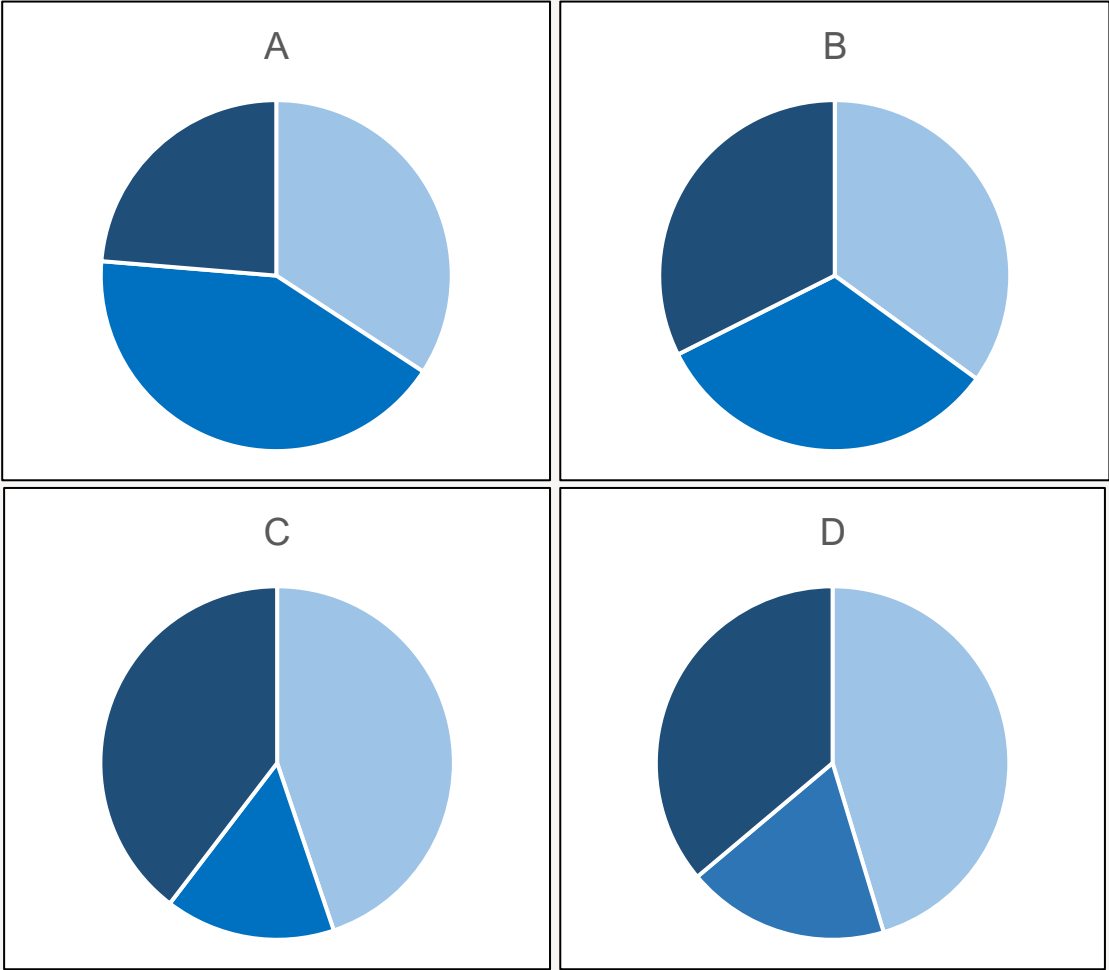
February Review

Weekday

Zones A & B above effective operating capacity (80%)

Zones C & D show availability throughout all time periods.

Medium stay parking is seen to be the smallest proportion of parking.
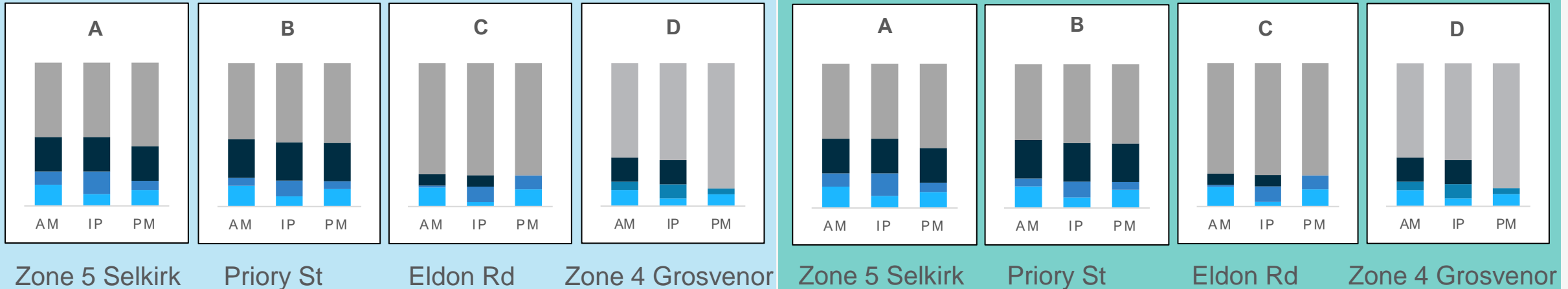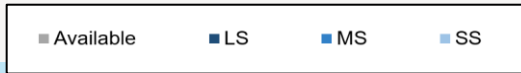
Weekend

Zone A saw a significant increase in AM and IP parking where there is no available parking. This was mainly due to an increase in medium stay parking. (Retail/shoppers)

Zones C and D have remained relatively the same between weekday and weekend timings.

ATKINS
Member of the SNC-Lavalin Group

May/June Review

Weekday

In the May/June review it was mid way through a nationwide lockdown for COVID-19. This therefore increased significantly the amount of available parking as people were staying home more.
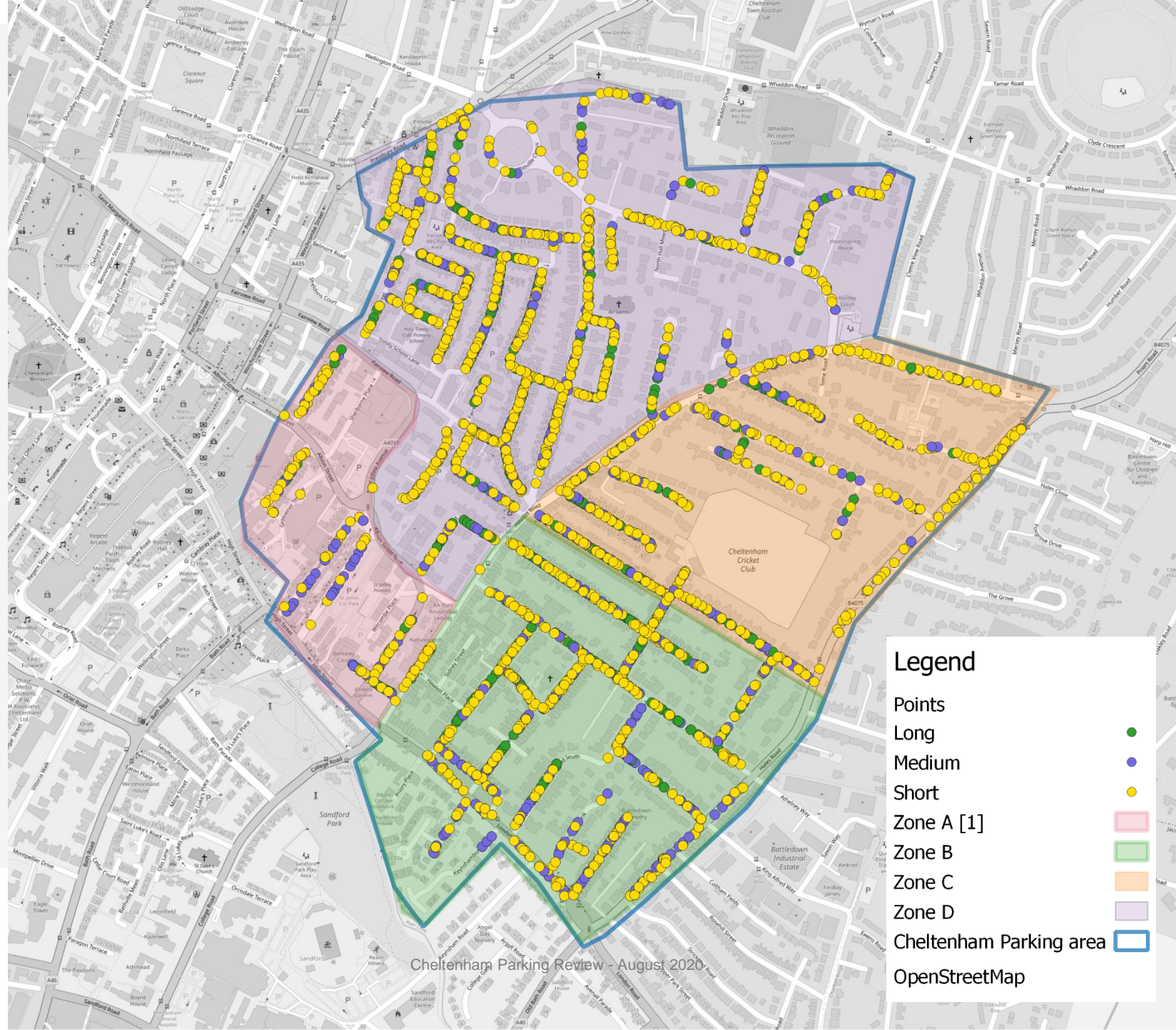
Weekend

This lockdown is also reflected in the larger proportion of long stay parking as cars are not being moved as much. Additionally, there is no real change between the weekday survey results and the weekend results.

Location and duration of Cheltenham Parking

Thursday 27th February 2020
Pre UK lockdown

Legend

Points
Long
Medium
Short
Zone A [1]
Zone B
Zone C
Zone D
Cheltenham Parking area

OpenStreetMap

Cheltenham Parking Review - August 2020

ATKINS
Member of the SNC-Lavalin Group

Gloucestershire
COUNTY COUNCIL

Location and duration of Cheltenham Parking

Saturday 29th February 2020
Pre UK lockdown
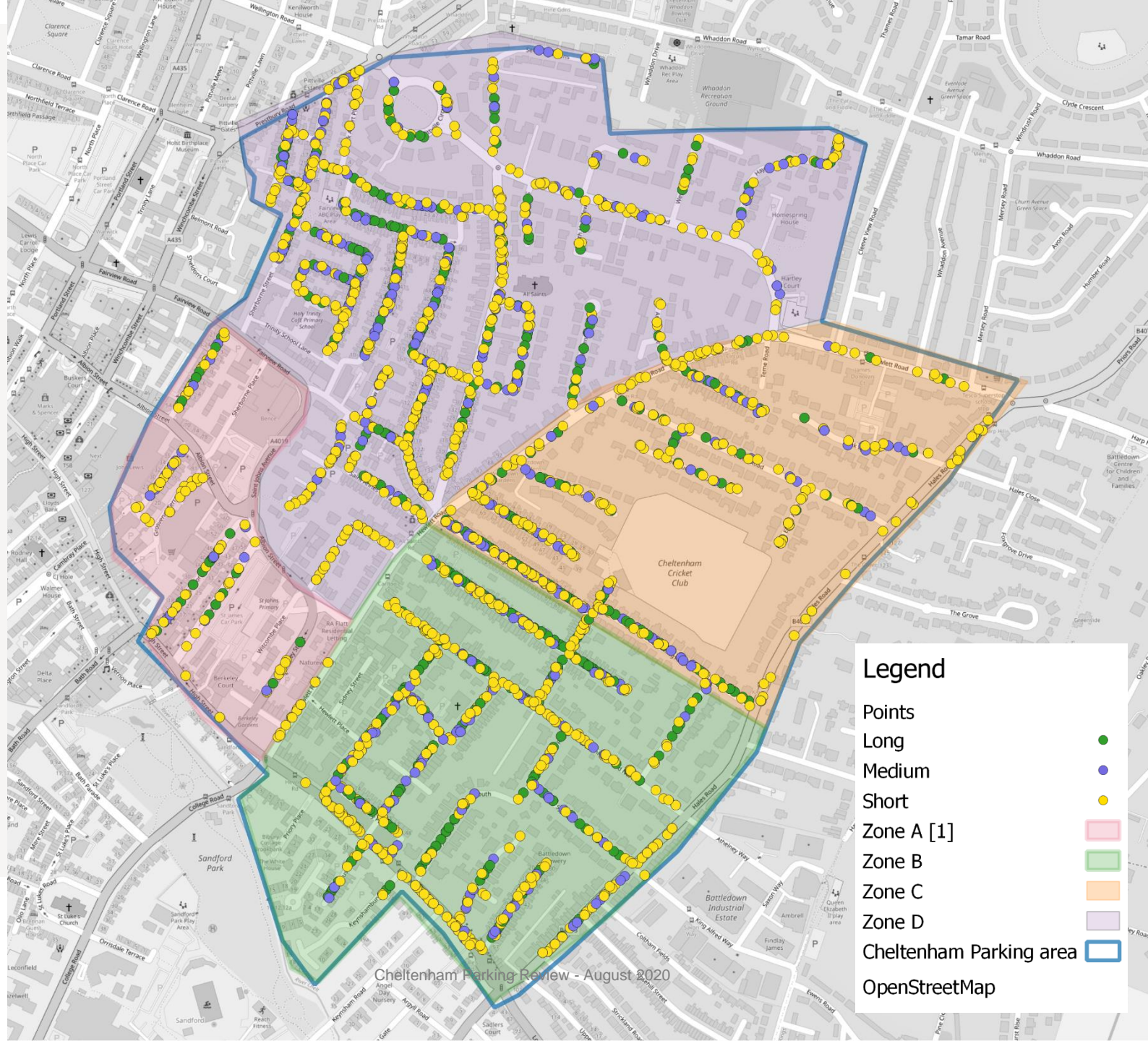
Legend

Points
Long ●
Medium ●
Short ●
Zone A [1]
Zone B
Zone C
Zone D
Cheltenham Parking area
OpenStreetMap

Cheltenham Parking Review - August 2020

ATKINS
Member of the SNC-Lavalin Group

Gloucestershire
COUNTY COUNCIL

Location and duration of Cheltenham Parking

Saturday 30th May 2020
During UK lockdown
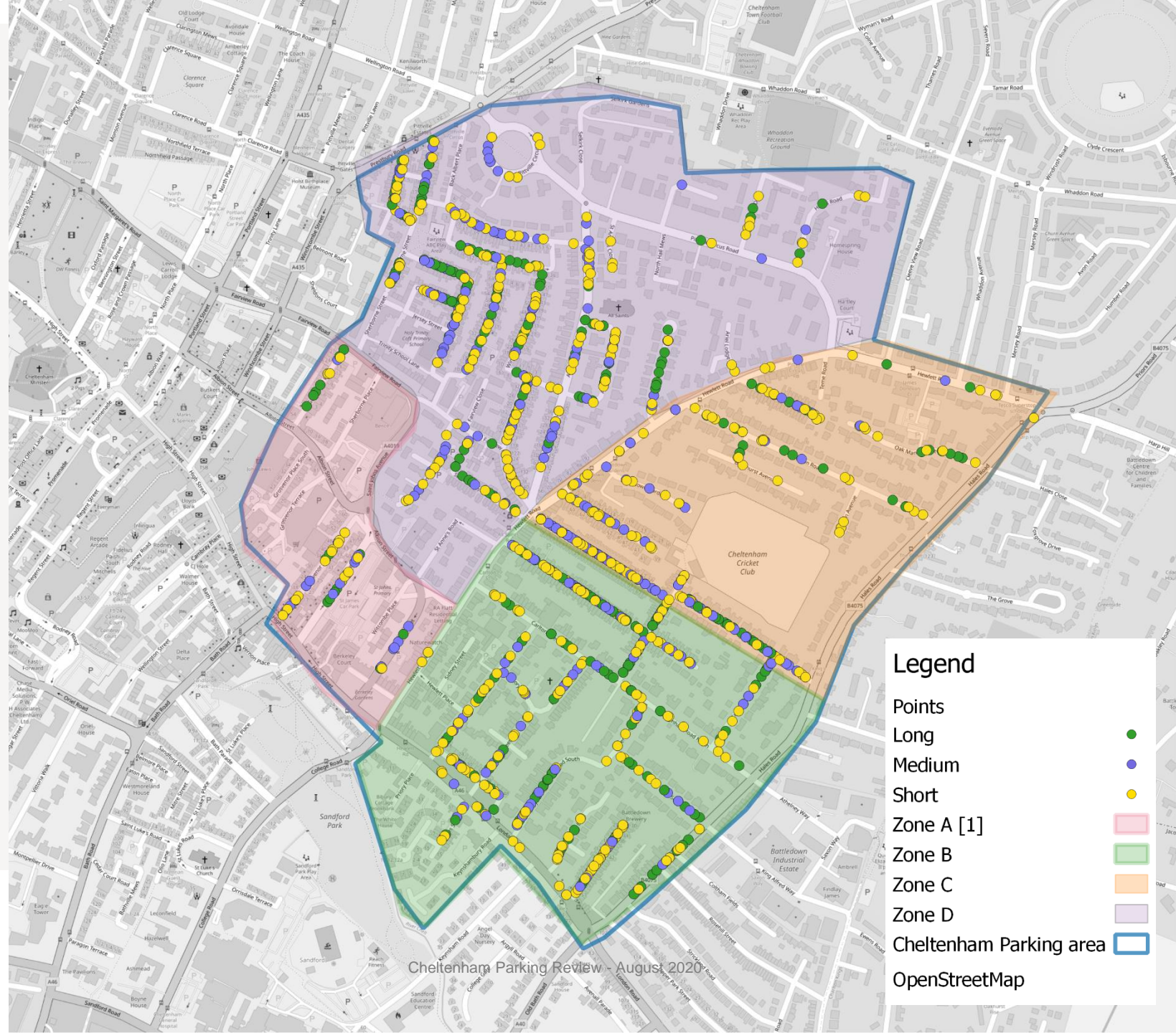
ATKINS
Member of the SNC-Lavalin Group

Gloucestershire
COUNTY COUNCIL

Legend

Points
- Long ● (green)
- Medium ● (blue/purple)
- Short ● (yellow)
- Zone A [1] (pink)
- Zone B (green)
- Zone C (orange)
- Zone D (purple)
- Cheltenham Parking area (blue outline)
- OpenStreetMap

Cheltenham Parking Review - August 2020

Location and duration of Cheltenham Parking

Tuesday 2nd June 2020
During UK lockdown
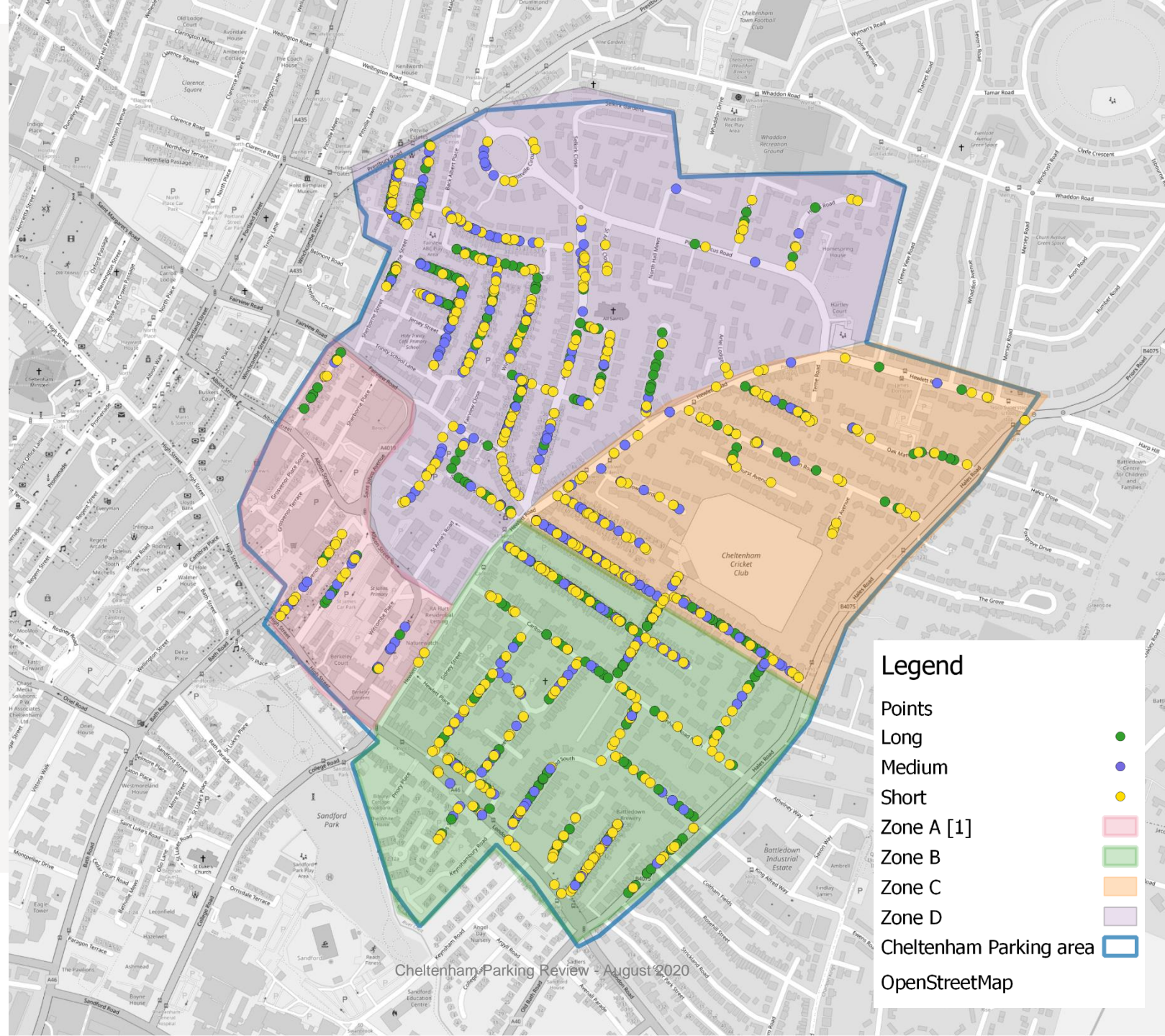
ATKINS
Member of the SNC-Lavalin Group

Gloucestershire
COUNTY COUNCIL
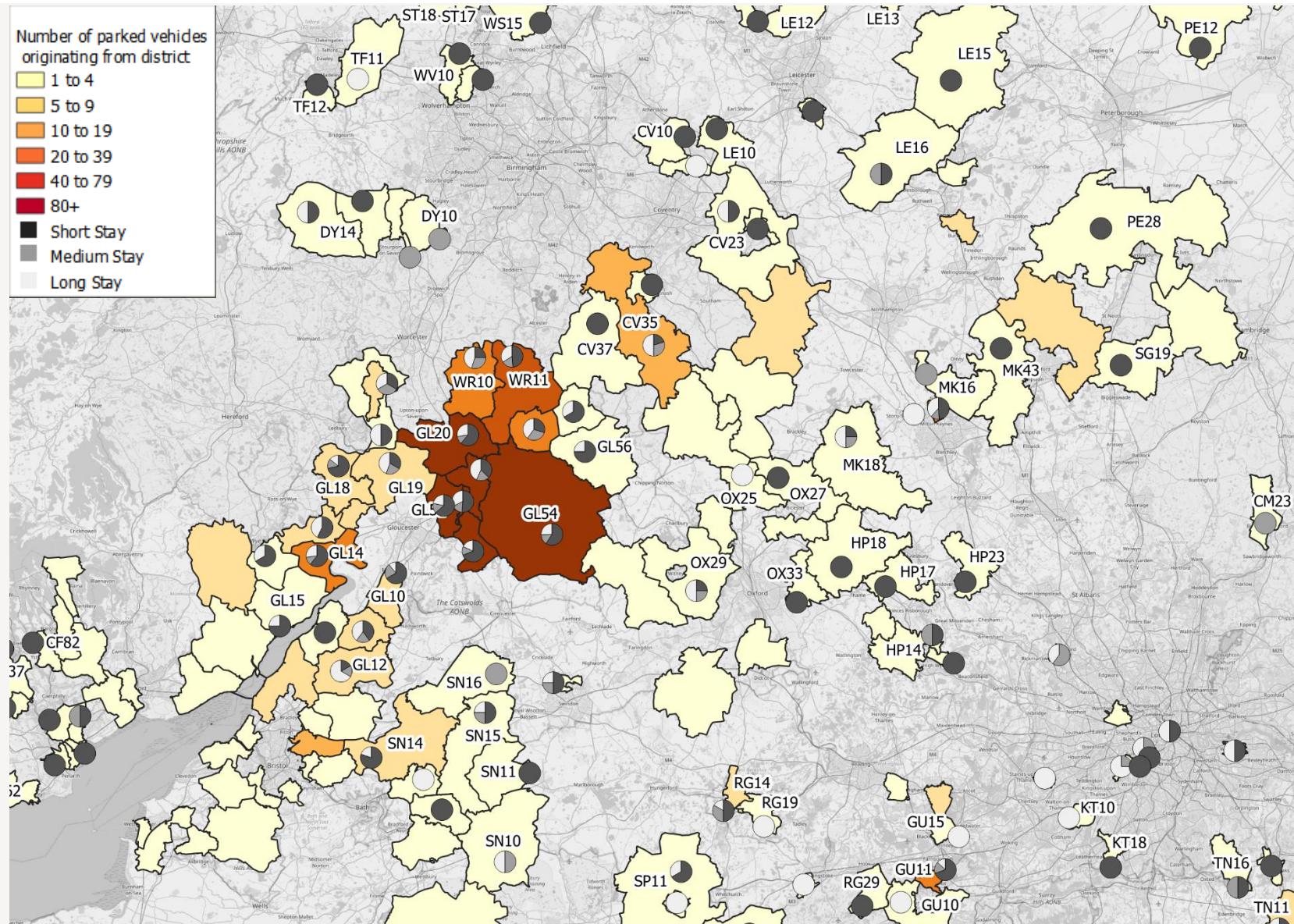
Legend

Points

Long

Medium

Short

Zone A [1]

Zone B

Zone C

Zone D

Cheltenham Parking area

OpenStreetMap

Spatial distribution of the origins of on-street parking in Cheltenham

Pie charts show share of vehicles from each district by parking duration.

Parking duration determined by the number of times a vehicle was counted during the survey period. A vehicle counted during the AM period only is considered as 'short-stay', AM and inter-peak as 'medium-stay', and throughout all three periods (AM, IP and PM) as 'long-stay'.


Number of parked vehicles originating from district

- 1 to 4
- 5 to 9
- 10 to 19
- 20 to 39
- 40 to 79
- 80+
- Short Stay
- Medium Stay
- Long Stay

Origin of parked vehicle by street in Gloucester

Key:
Study Area – Parking Scheme Area
OOC – Out of County
GCC – Gloucestershire

Parking data collected between 7am and 7pm on one weekday in March 2020 (pre Covid-19) and June 2020 (during Covid-19).

Due to level of postcode data it is not possible to distinguish between residents and local visitors in the same postcode district.
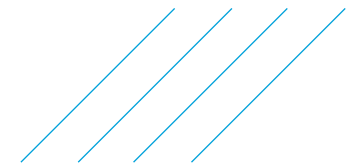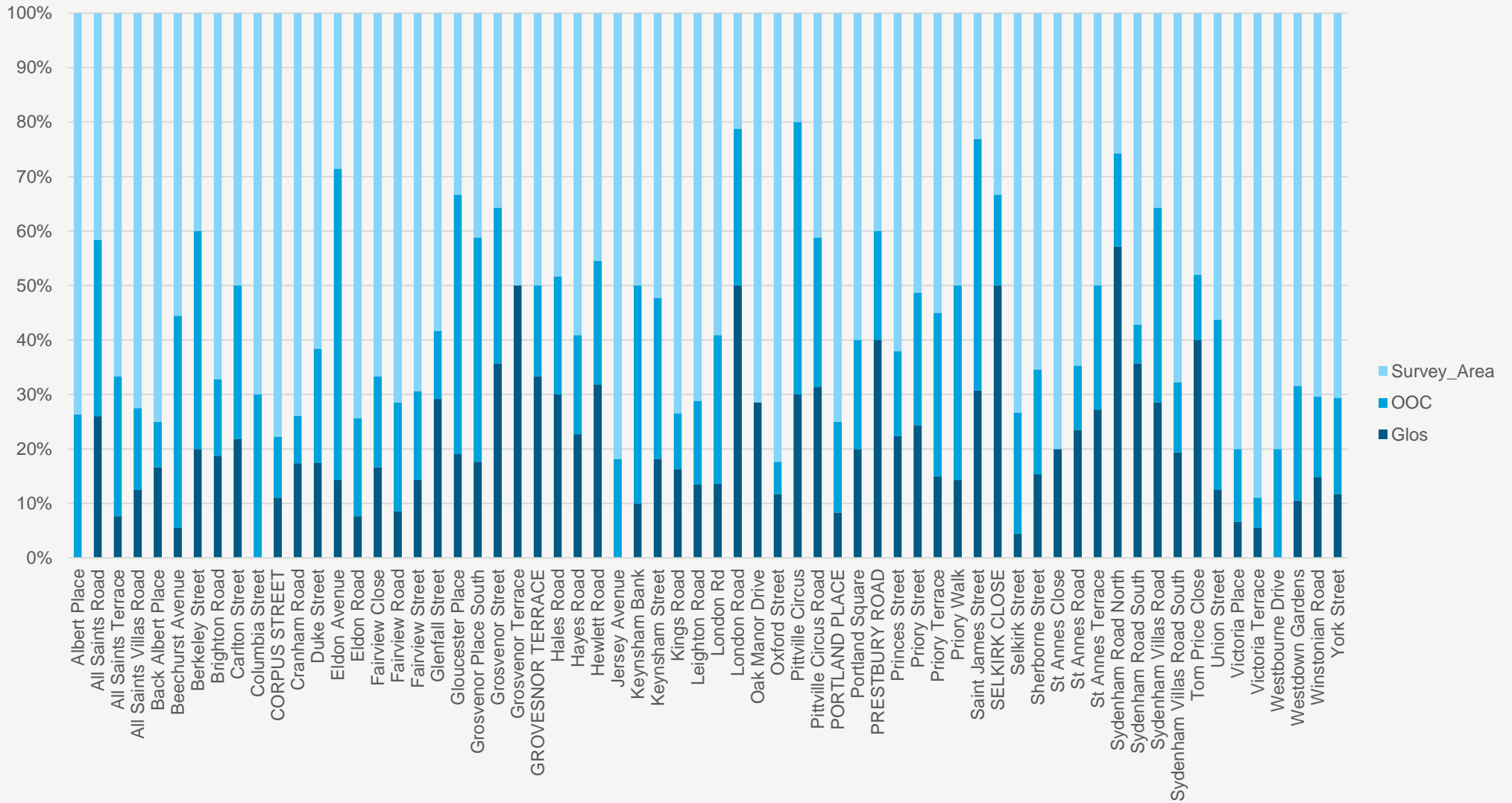
Thursday 27th February – Pre Lockdown
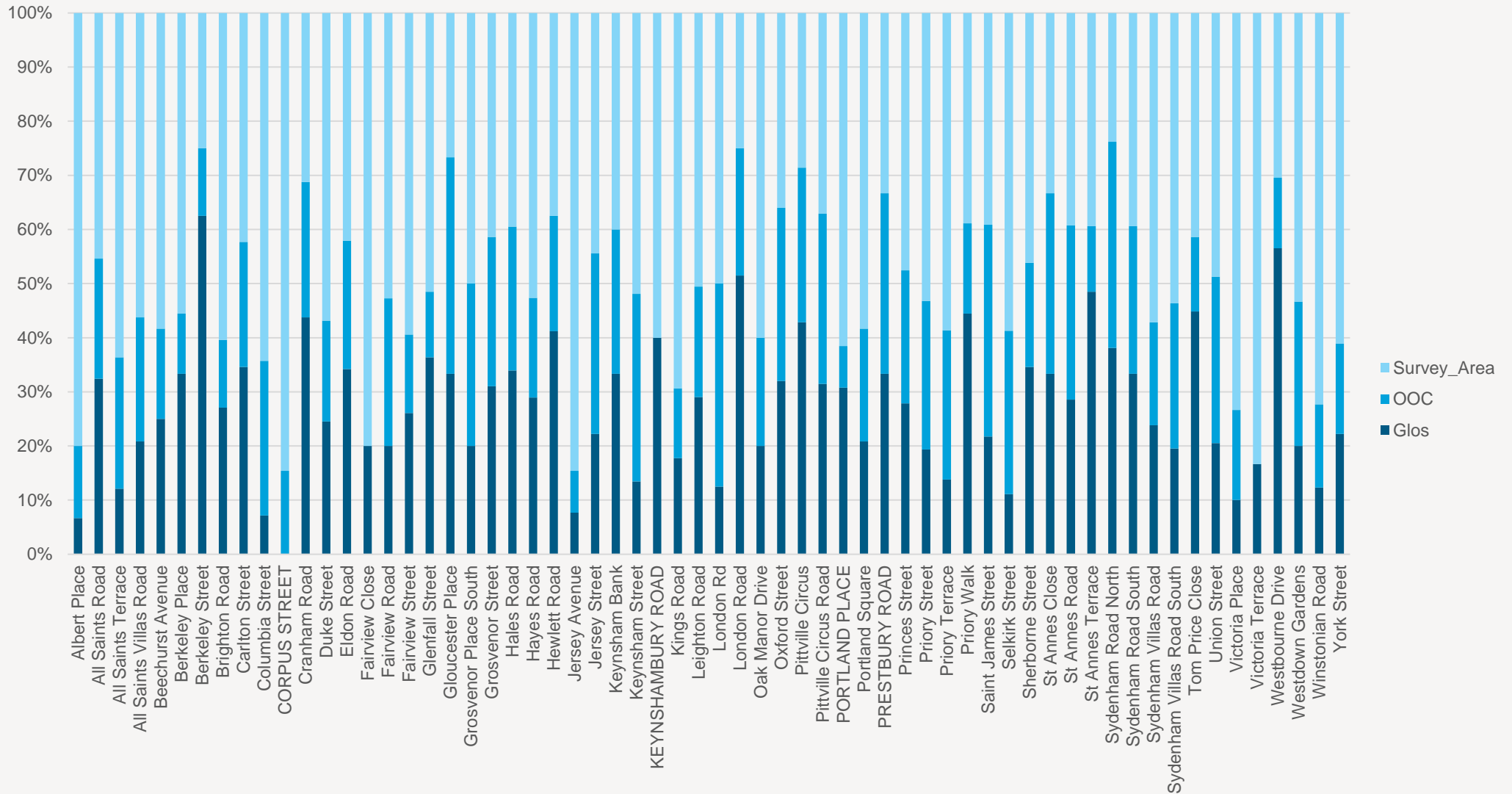
Origin of parked vehicle by street in Gloucester

Key:
Study Area – Parking Scheme Area
OOC – Out of County
GCC – Gloucestershire

Parking data collected between 7am and 7pm on one weekday in February 2020 (pre Covid-19).

Due to level of postcode data it is not possible to distinguish between residents and local visitors in the same postcode district.

Saturday 29th February – Pre Lockdown

ATKINS
Member of the SNC-Lavalin Group

Gloucestershire
COUNTY COUNCIL

19

Origin of parked vehicle by street in Gloucester

Key:
Study Area – Parking Scheme Area
OOC – Out of County
GCC – Gloucestershire

Parking data collected between 7am and 7pm on one weekday in May 2020 (during Covid-19).

Due to level of postcode data it is not possible to distinguish between residents and local visitors in the same postcode district.
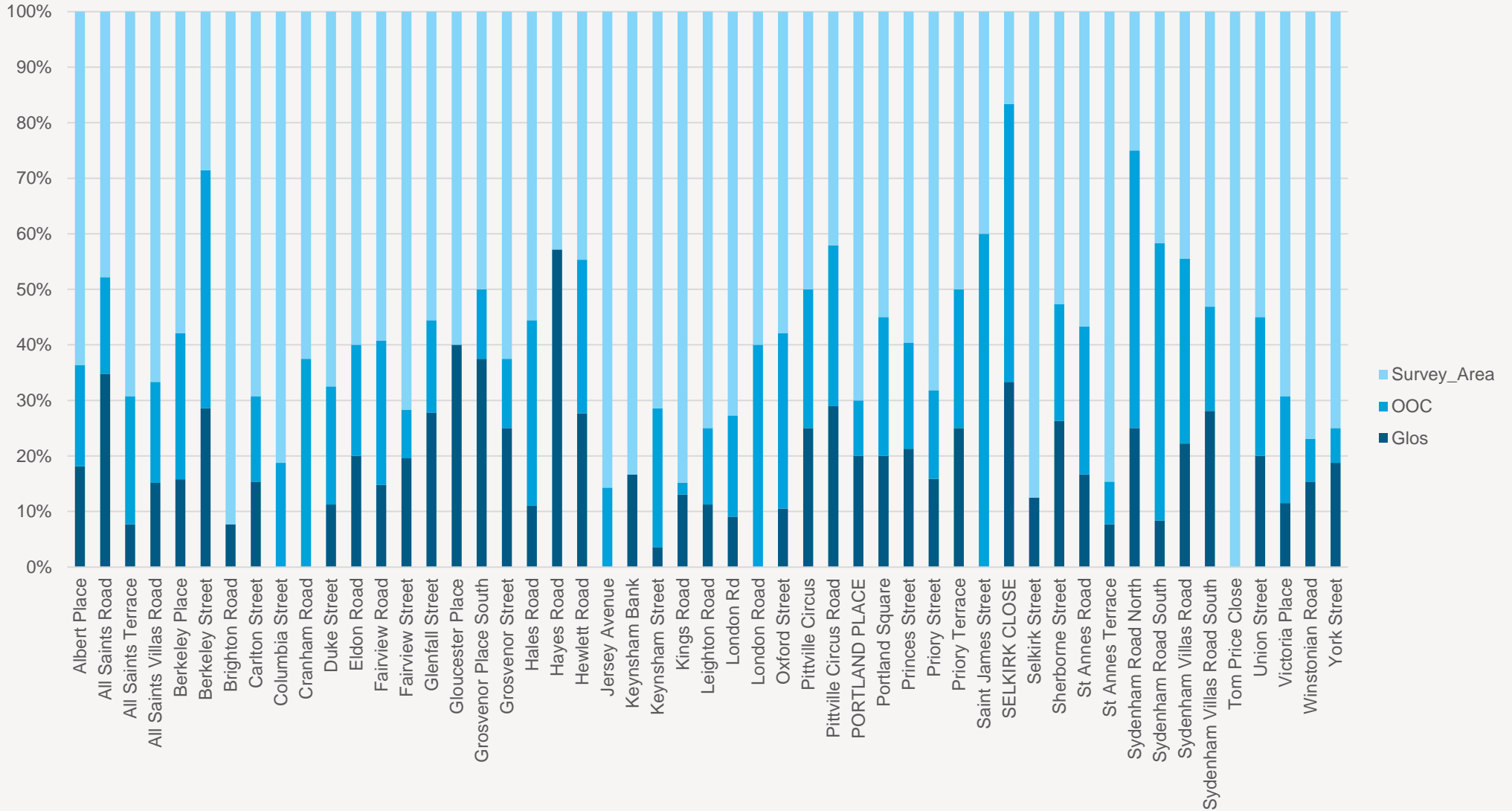

Saturday 30th May - During Lockdown

Origin of parked vehicle by street in Gloucester

Key:
Study Area – Parking Scheme Area
OOC – Out of County
GCC – Gloucestershire

Parking data collected between 7am and 7pm on one weekday in June 2020 (during Covid-19).

Due to level of postcode data it is not possible to distinguish between residents and local visitors in the same postcode district.
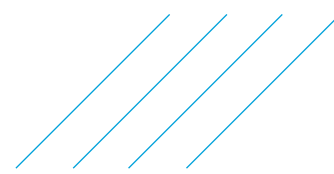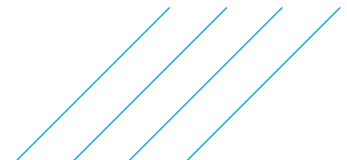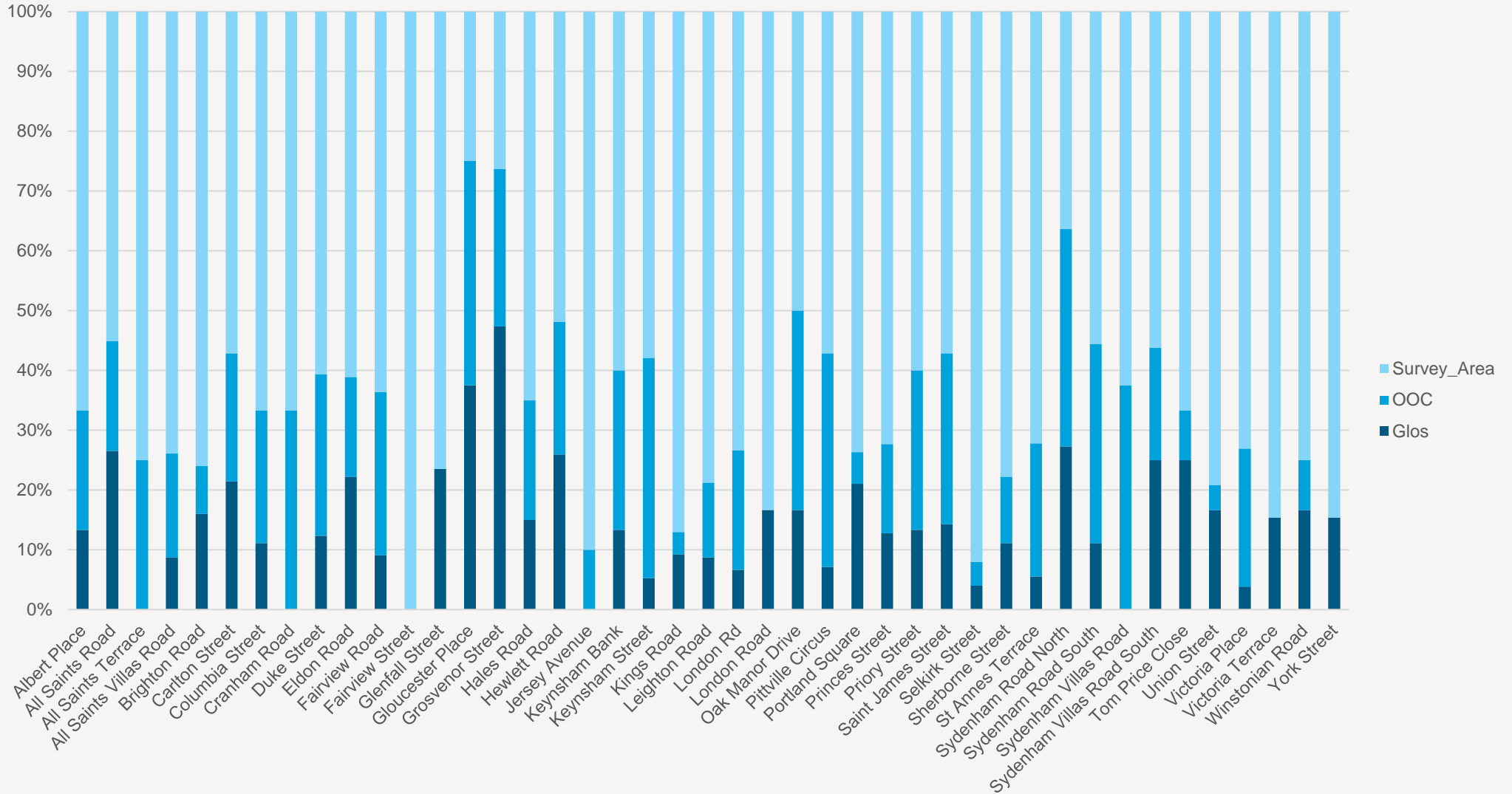
Tuesday 2nd June – During Lockdown

To have your say, using the consultation website: click the 'Have your say' tab to submit feedback

ATKINS
Member of the SNC-Lavalin Group

Gloucestershire
COUNTY COUNCIL