

Cirencester Parking Review

Background Data

April 2012

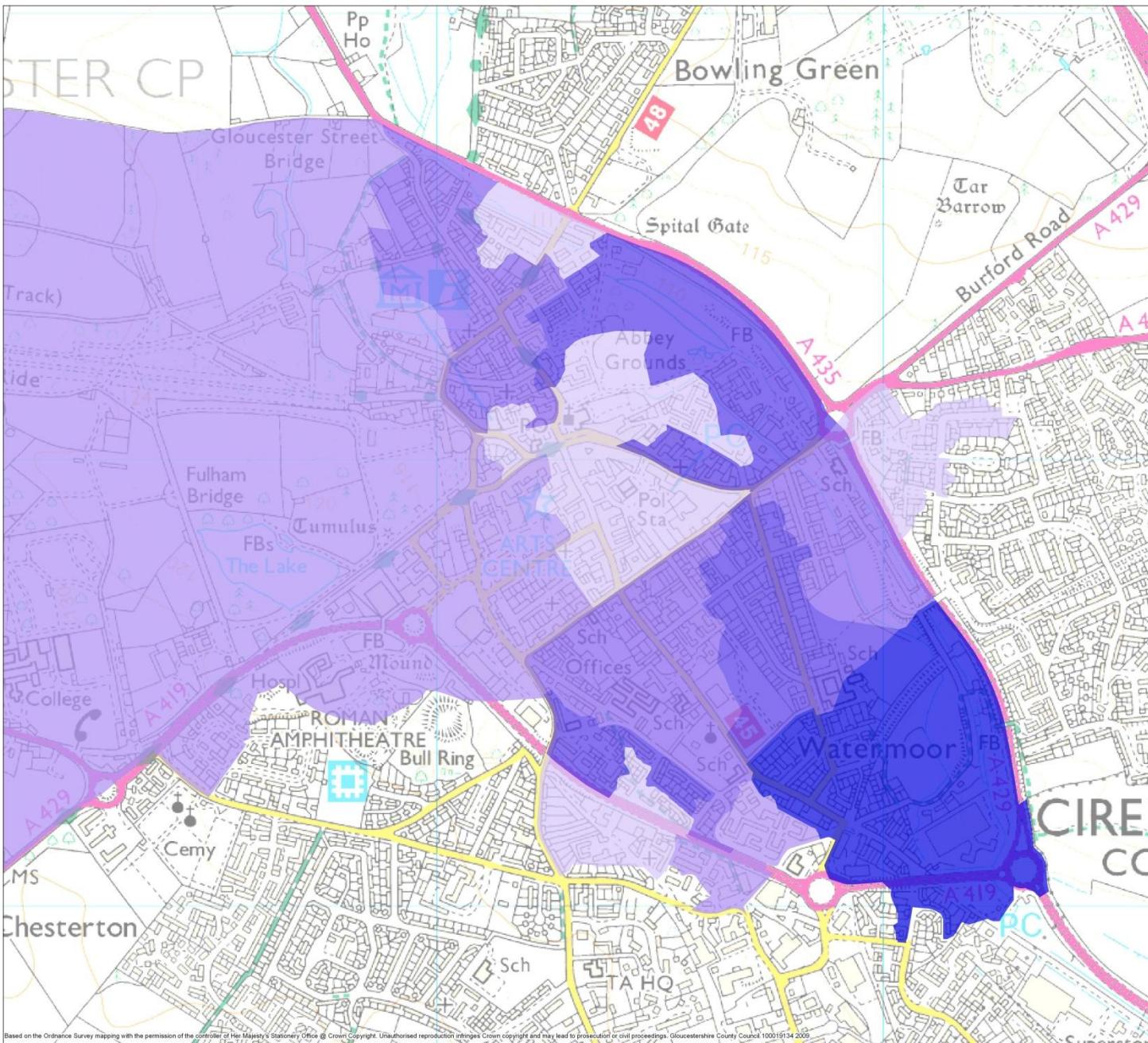


This booklet presents data collected as part of a review of parking in central Cirencester. The data will be used to quantify parking issues in the town, and understand travel patterns and parking behaviour in the town.

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 October 2011 that tells us:
 - How many vehicles were parked in the town
 - How long these vehicles stayed, and
 - Where these vehicles came from

Vehicle Ownership - Vehicles Per Property– Data supplied by DVLA (October 2011)



Cirencester Parking Review

Number of Registered Vehicles per Property

Legend

OA_DVLA Data - Vehicles per Property
Registered Vehicles Per Property

No Data

0 - 0.4

0.41 - 0.6

0.61 - 0.8

0.81 - 1.0

1.0+

The vehicle ownership per household information is presented by Output Area. Output areas are geographical areas used primarily to report neighbourhood statistics from the Census. Each area covers approximately 1000 to 1500 people

Cirencester Parking Review: Number of Registered Vehicles per Property

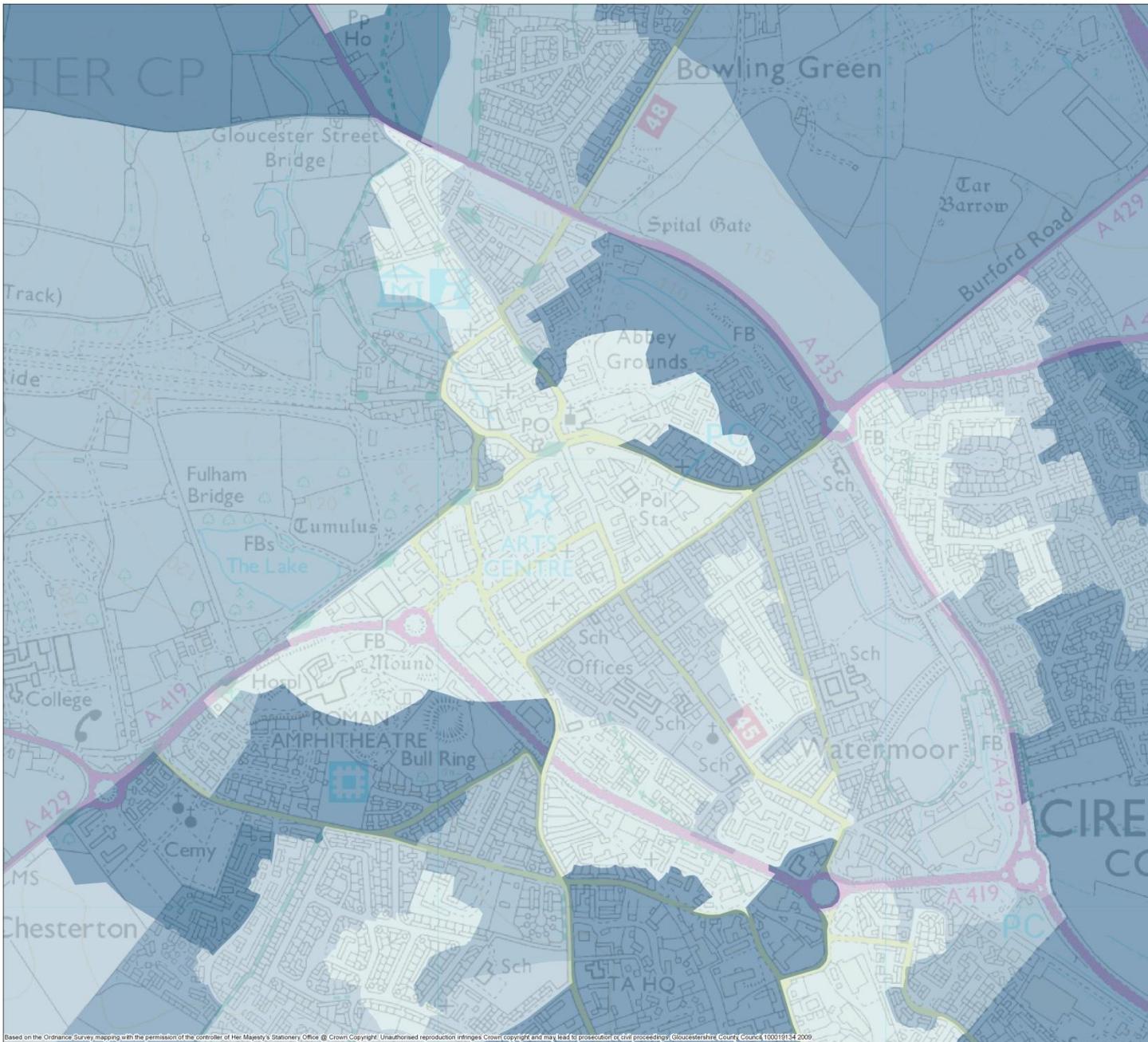
Produced By:
PS

Date:
December 2011

Scale:
Do Not Scale

Drawing No:
CCR_Veh per Prop_01

Domestic Off-Street Parking Spaces per Domestic Property– Data supplied by Valuation Office



Cirencester Parking Review

Number of Domestic Off-Street Parking Spaces per Domestic Property

Legend

Domestic Off-St Parking per Prop

No. of Off-St Spaces Per Domestic Prop

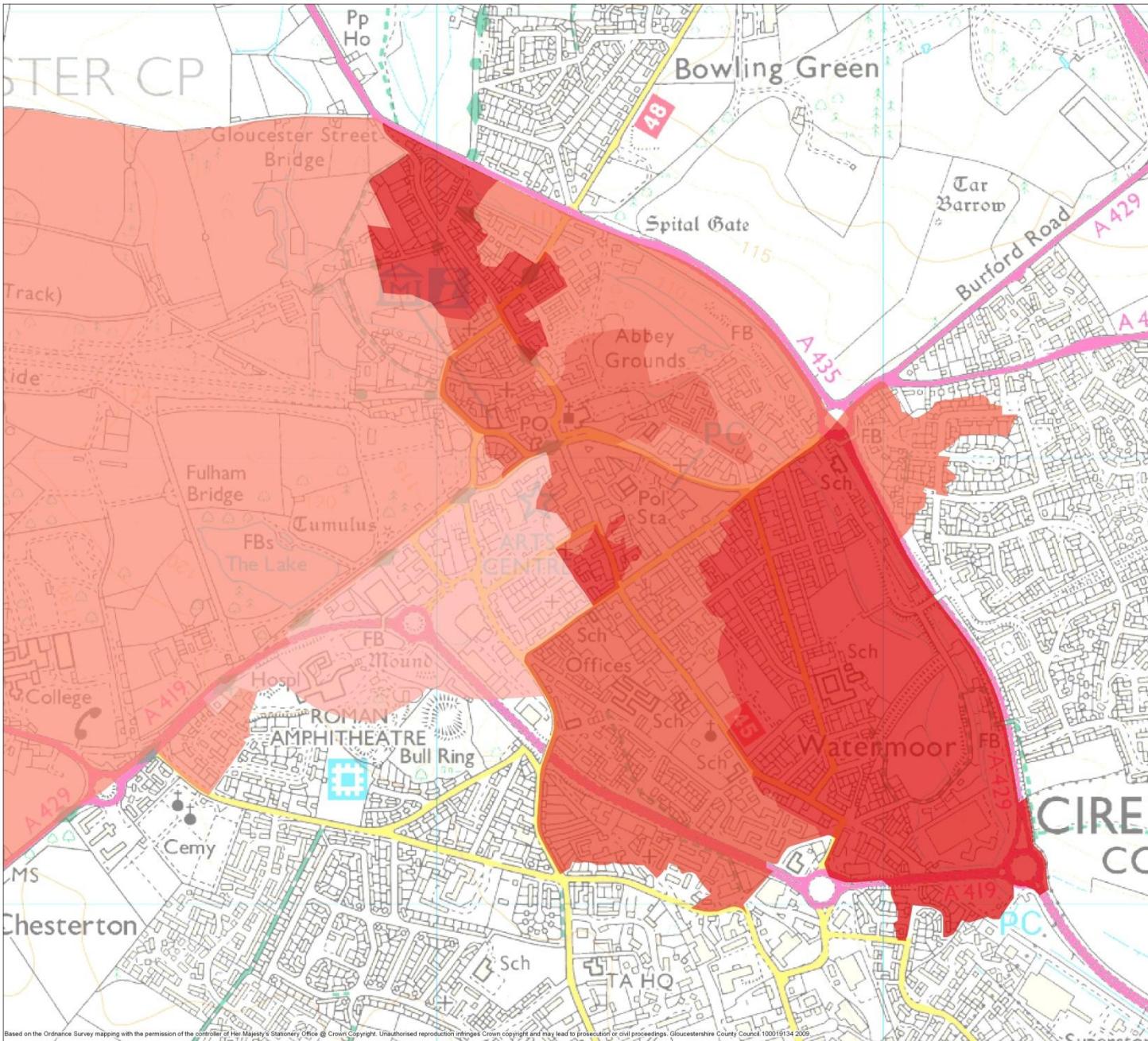
0.0 - 0.25
0.26 - 0.50
0.51 - 0.75
0.76 - 0.82
0.83 - 1.0
1.0 +

Information about domestic off-street parking spaces was provided by the Valuation Office. Again it is presented by Output Area.

Cirencester Parking Review: No. Domestic Off-St Spaces per Property

Produced By: PS	Date: December 2011
Scale: Do Not Scale	Drawing No: CCR_Dom Off-St P_01

On Street Parking Pressure – Registered Vehicles vs Off-Street Parking Capacity



Cirencester Parking Review

On-Street Parking Pressure Registered Vehicles vs Off-Street Capacity

Legend

On-Street Parking Pressure

Pressure

LOW
>
>
>
>
HIGH

Vehicle ownership and the availability of off-street parking have been compared to identify areas where large numbers of locally registered vehicles will need to park on the street. Areas of high pressure are shown as darker shades on the map. This does not consider the impact of visitors vehicles.

Cirencester Parking Review: On-Street Parking Pressure

Produced By:
PS

Date:
December 2011

Scale:
Do Not Scale

Drawing No:
CCR_Pressure_01

Parking Survey

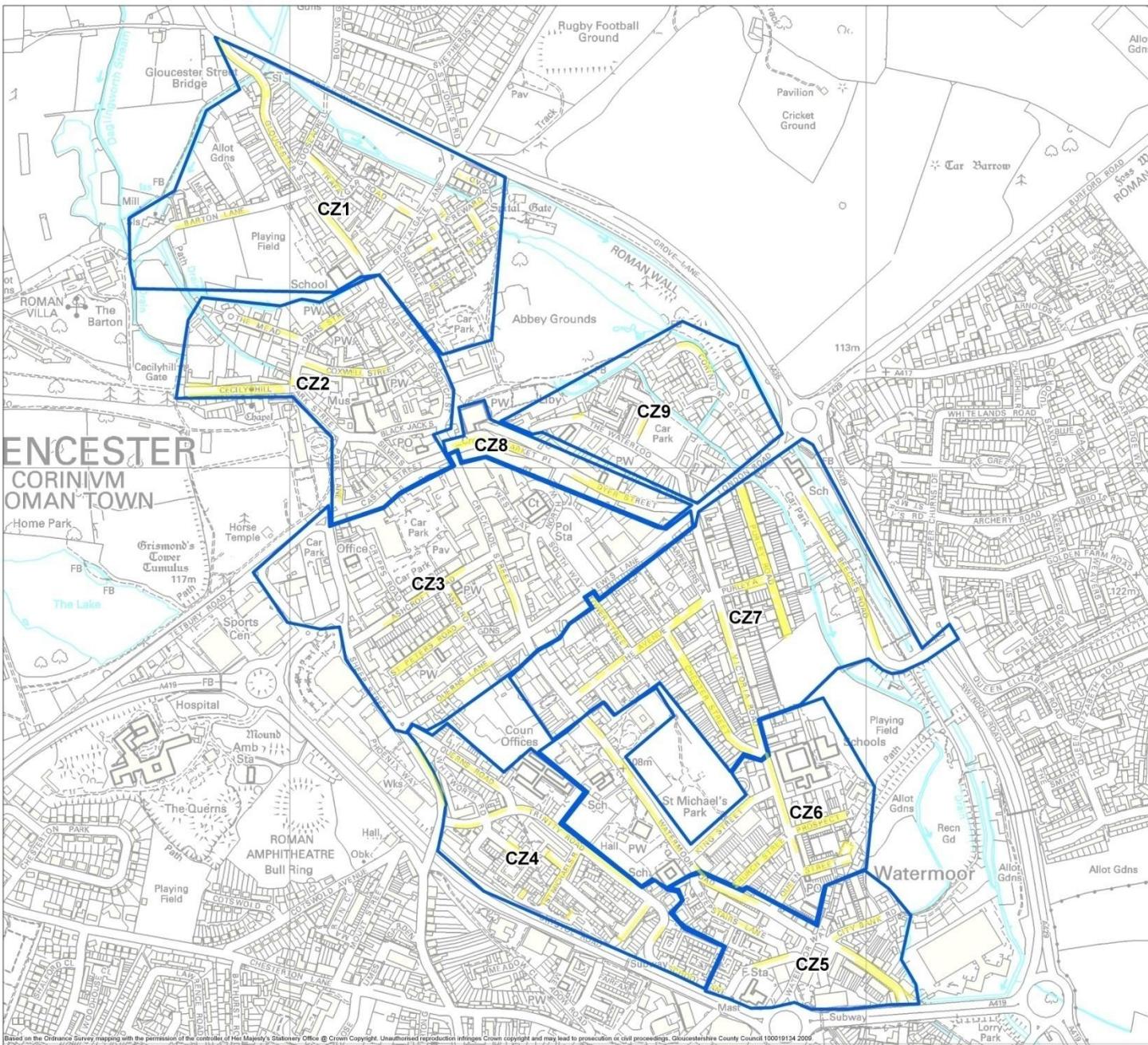
A parking survey was undertaken across 3 weekdays and 1 weekend in October 2011.

The results from the survey tell us

- How many vehicles were parked in the town
- How long these vehicles stayed, and
- Where these vehicles came from

For the parking survey, the town was split into nine distinct zones so that different patterns in different parts of the town could be compared. The eight off-street car parks in the town were also surveyed.

Parking Survey Zones – On street



Cirencester Parking Review ANPR Survey Zones

Legend

ANPR SURVEY ZONES

On-street parking spaces are highlighted in each zone

For the parking survey, the town centre was split into nine district zones. Parking patterns have been analysed in each zone so that differences across the town can be identified. Each car park was also surveyed at the same time.

Cirencester Parking Review: ANPR Survey Zones

Produced By:
PS

Date:
December 2011

Scale:
Do Not Scale

Drawing No:
CCR_ANPR_01

Parking Survey – Car Parks



Cirencester Parking Review ANPR Survey Zones

Legend

- Car Parks
- On-street parking spaces are highlighted in each zone

- B - Brewery
- Lc - Leisure Centre
- OS - Old Station
- SS - Sheep Street
- F - Forum
- W - Waterloo
- Be - Beeches
- AG - Abbey Grounds

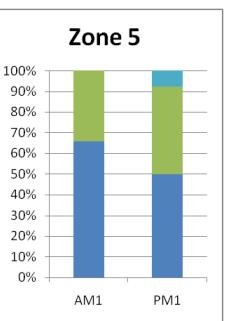
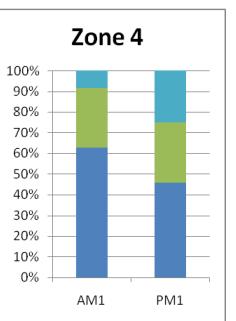
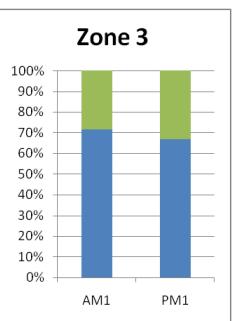
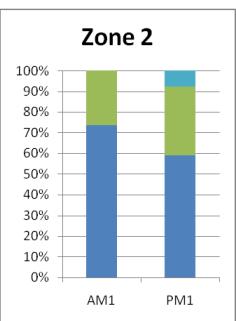
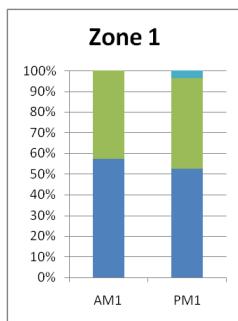
Each car park was surveyed separately so any differences between parking patterns across the town can be identified.

Cirencester Parking Review: ANPR Survey Zones

Produced By: PS	Date: December 2011
Scale: Do Not Scale	Drawing No: CCR_ANPR_02

Parking Survey – How many vehicles were parked, and for how long? (weekday)

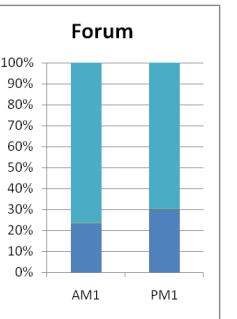
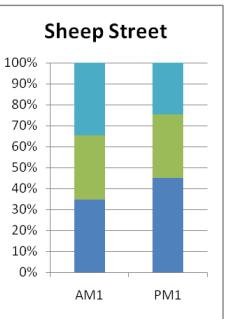
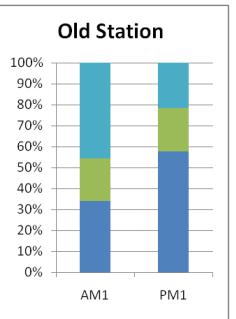
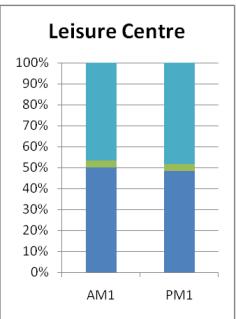
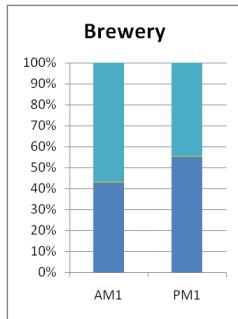
on-street



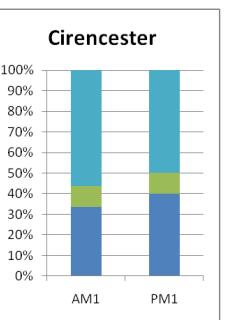
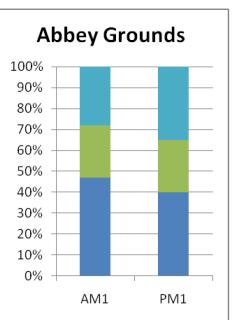
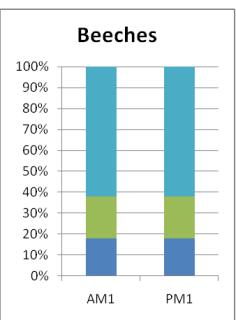
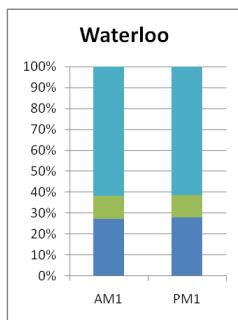
The graphs opposite show how much of the available parking capacity in each zone was occupied by long stay and short stay parking in both the morning and afternoon.

The results clearly show that on-street parking is very congested – in most zones there are no free spaces at certain times of the day. Long-stay parking accounts for approximately 30% of capacity.

off-street



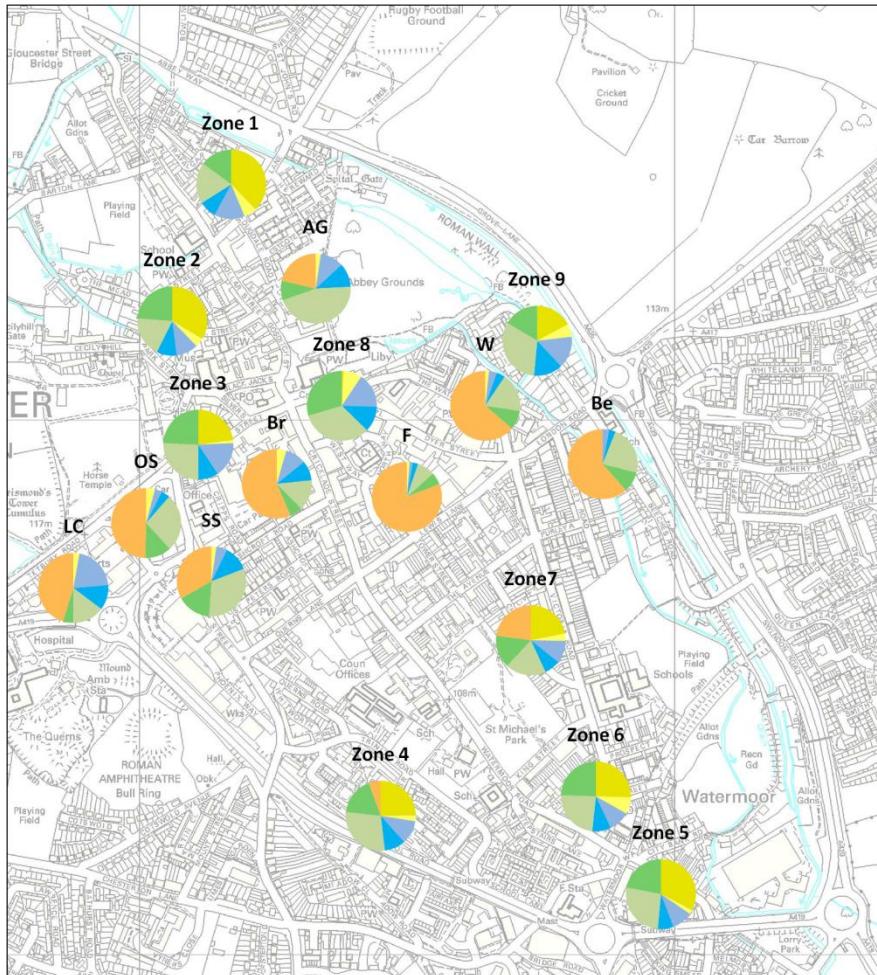
There is a lot of spare capacity in the off-street car parks, which over the whole town are less than half full. Long-stay parking in the car parks account for approximately 10% of capacity.



■ Available
■ Long Stay
■ Short Stay

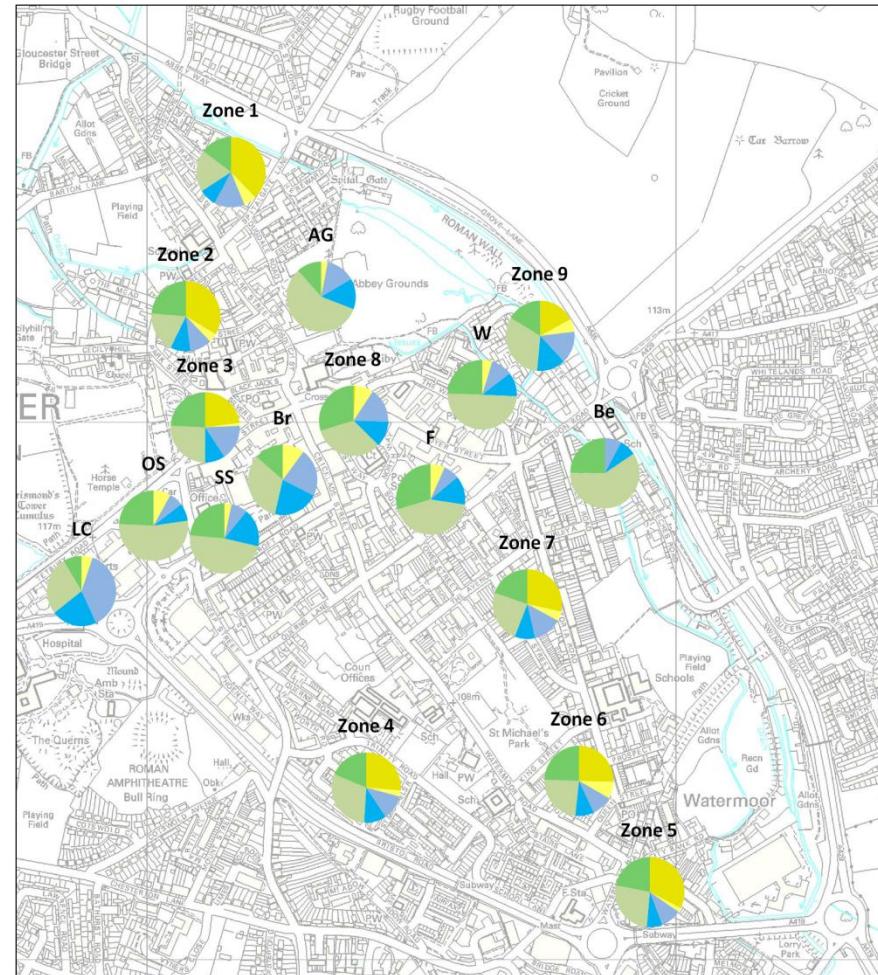
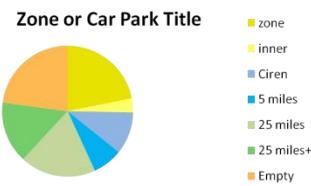
Parking Survey – Where did the parked vehicles come from? (weekday)

The maps below show where vehicles parked in each zone/car park came from. Vehicles have been categorised as originating from: the same zone; the Town Centre (inner Cirencester); outer Cirencester; Within 5 miles of Cirencester; within 25 miles and over 25 miles. The map on the left shows origin as a proportion of capacity. The map on the right shows origin as a proportion of the parked vehicles.



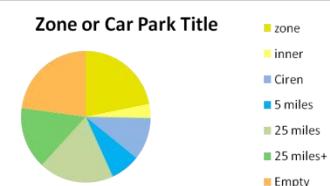
Weekday (AM) ANPR Results

Origin of Observed Vehicles
against capacity
On Street & Off Street



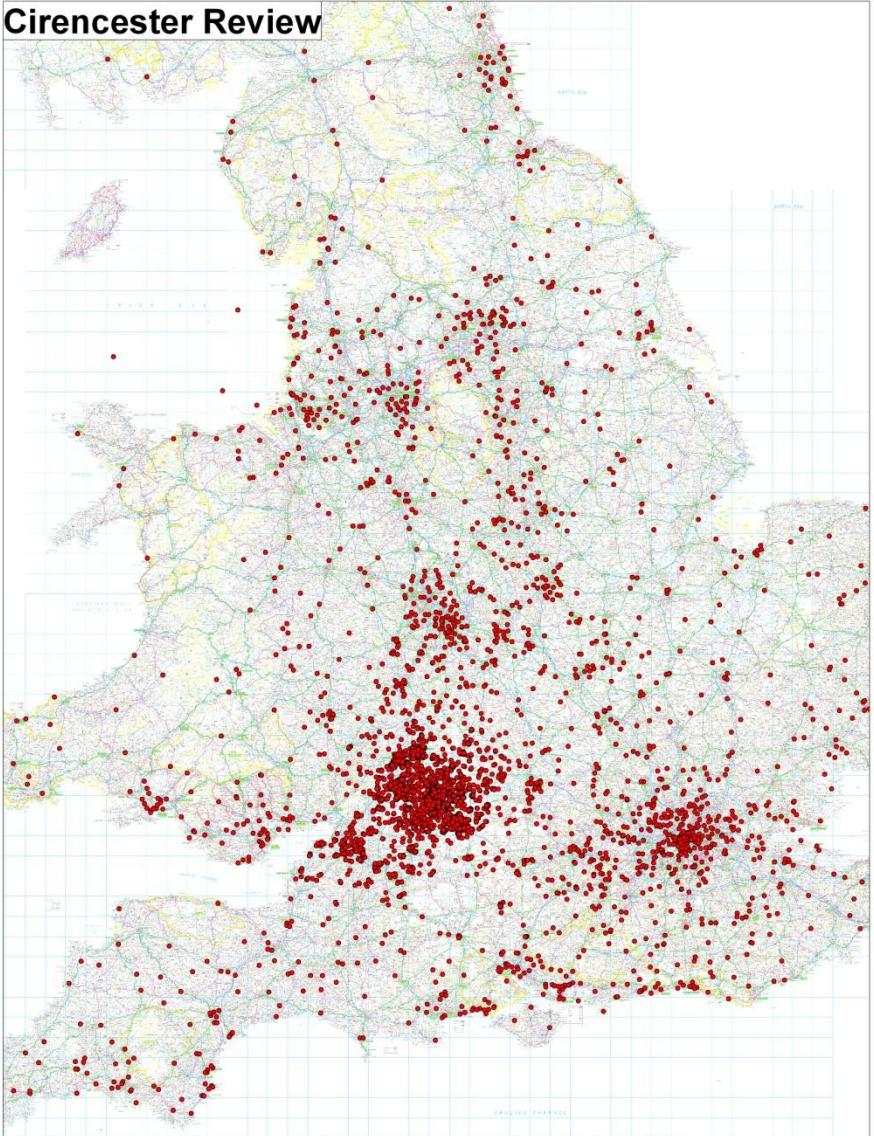
Weekday (AM) ANPR Results

Origin of Observed Vehicles
On Street & Off Street

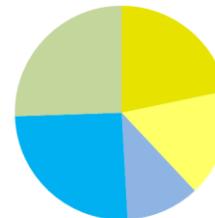


Parking Survey – Where did the parked vehicles come from? (weekday)

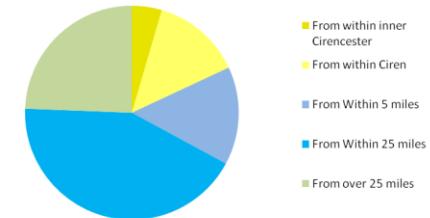
Cirencester Review



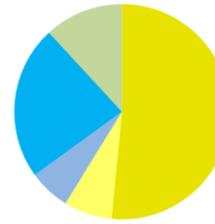
On Street Short-Stay Parking



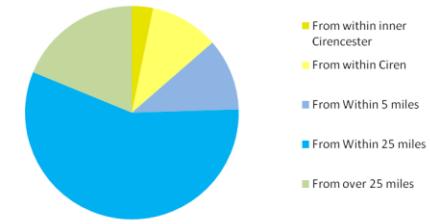
Off Street Short-Stay Parking



On Street Long-Stay Parking



Off Street Long-Stay Parking



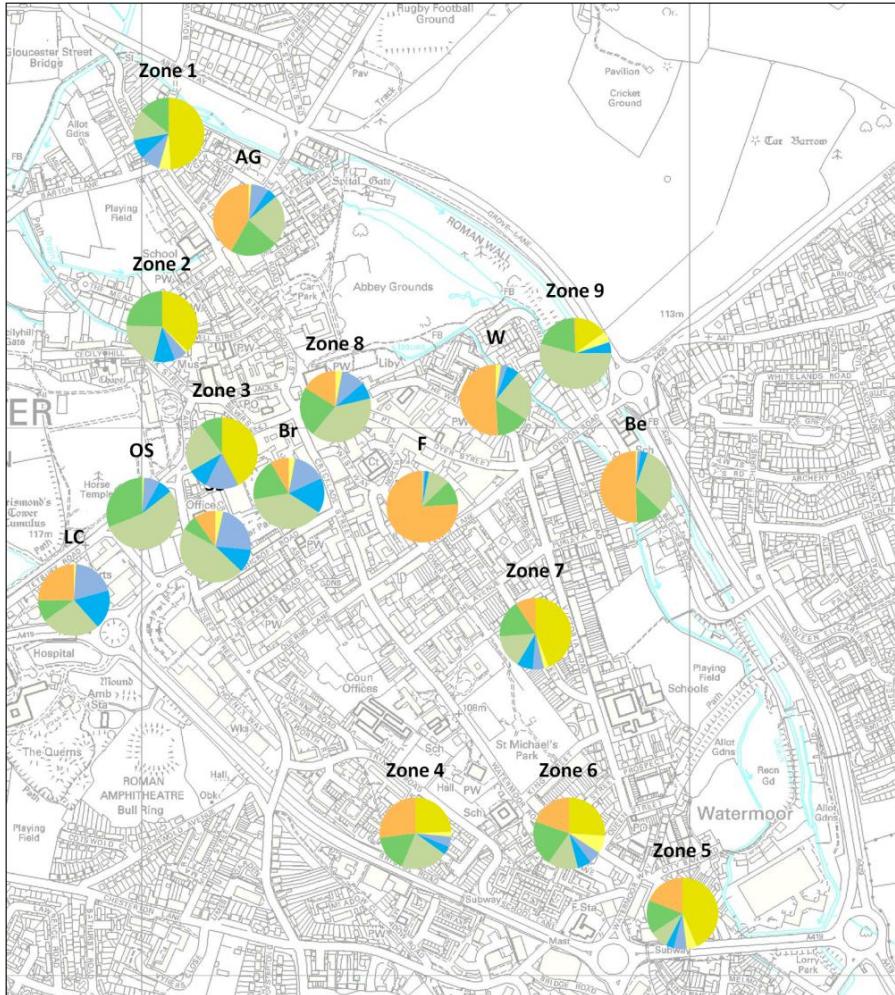
The origin data shows that, on a typical weekday, approximately one third of on-street parking capacity is occupied by locally registered vehicles, although in the town centre (Zone 3) it is less. Therefore much of the parking pressure experienced is due to visiting vehicles.

A small number of vehicles parked in the town centre have come from outer Cirencester.

Many visiting vehicles come from between 5 and 25 miles away. It is unlikely many of these trips could be made by alternative modes. Therefore, management of on-street parking to encourage visitors to use off-street parking, where there is spare capacity, is likely to have the greatest impact on on-street parking pressure.

Parking Survey – Where did the parked vehicles come from, how many were parked, and for how long? (Saturday)

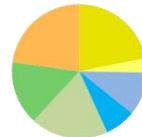
The maps below show where vehicles parked in each zone/car park came from. Vehicles have been categorised as originating from: the same zone; the Town Centre (inner Cirencester); outer Cirencester; Within 5 miles of Cirencester; within 25 miles and over 25 miles. The map on the left shows origin as a proportion of capacity. The map on the right shows how long a vehicle was parked against capacity.



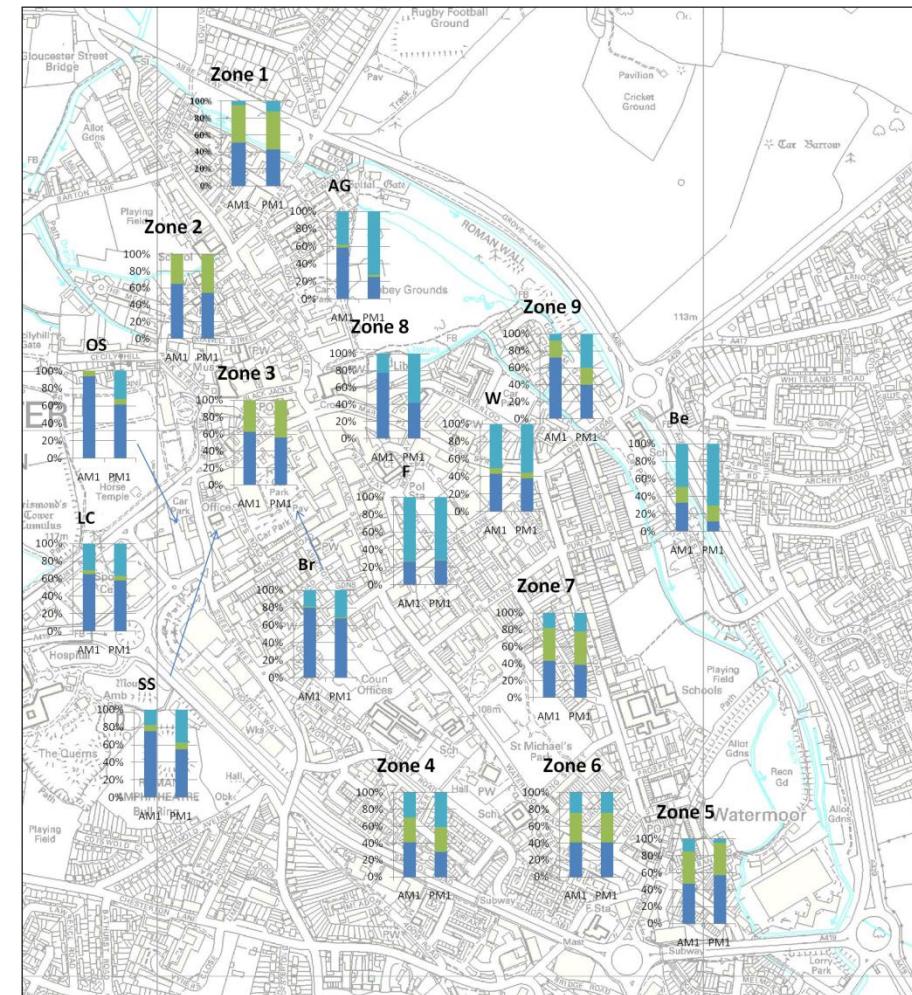
Saturday (AM) ANPR Results

Origin of Observed Vehicles
against capacity
On Street & Off Street

Zone or Car Park Title



- zone
- inner
- Cire
- 5 miles
- 25 miles
- 25 miles+
- Empty



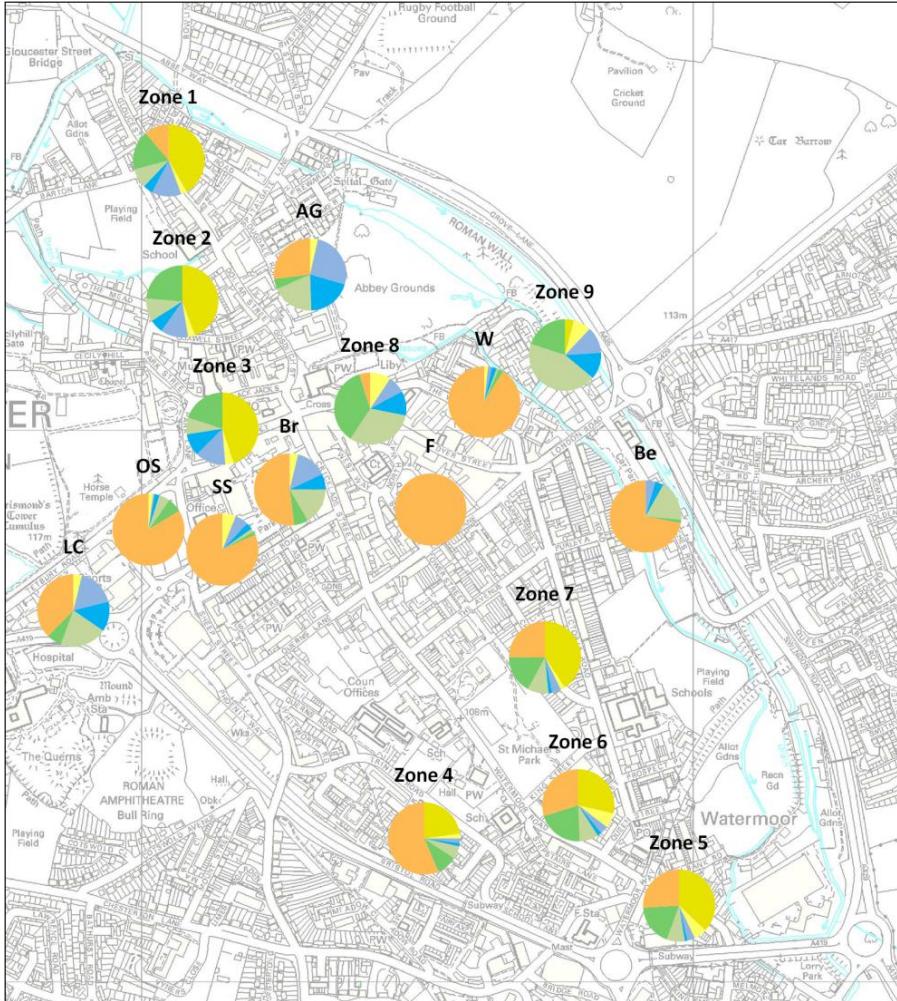
Saturday ANPR Result

Short and Long Stay capacity
On Street & Off Street

- Available
- Long Stay
- Short Stay

Parking Survey – Where did the parked vehicles come from, how many were parked, and for how long? (Sunday)

The maps below show where vehicles parked in each zone/car park came from. Vehicles have been categorised as originating from: the same zone; the Town Centre (inner Cirencester); outer Cirencester; Within 5 miles of Cirencester; within 25 miles and over 25 miles. The map on the left shows origin as a proportion of capacity. The map on the right shows how long a vehicle was parked against capacity.



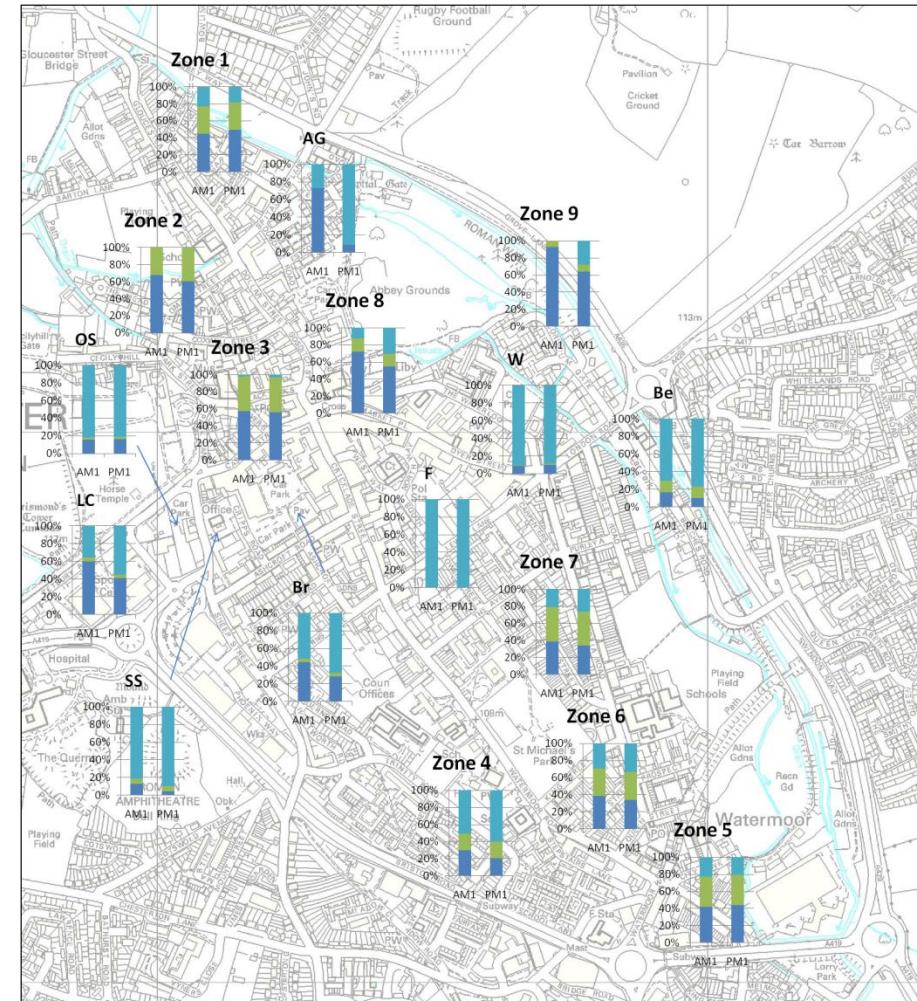
Sunday (AM) ANPR Results

Origin of Observed Vehicles
against capacity
On Street & Off Street

Zone or Car Park Title



■ zone
■ inner
■ Ciren
■ 5 miles
■ 25 miles
■ 25 miles+
■ Empty



Sunday ANPR Result

Short and Long Stay capacity
On Street & Off Street

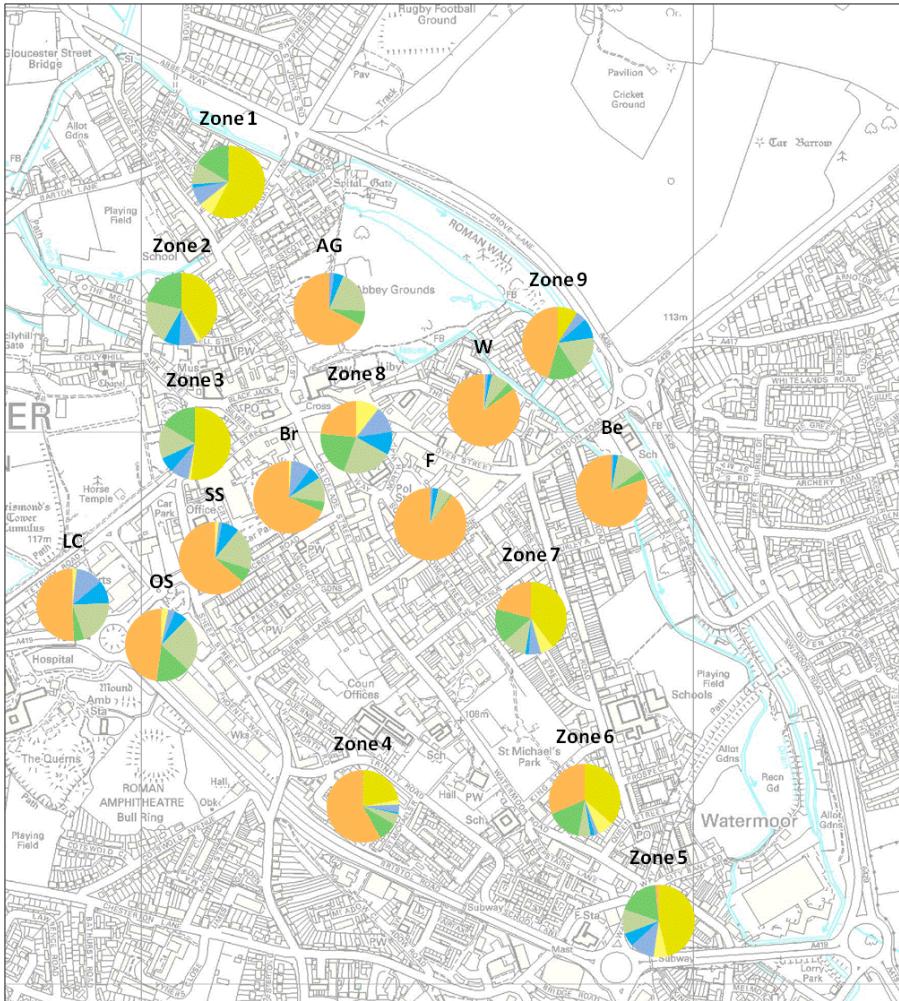
■ Available

■ Long Stay

■ Short Stay

Parking Survey – Where did the parked vehicles come from, how many were parked, and for how long? (Evening)

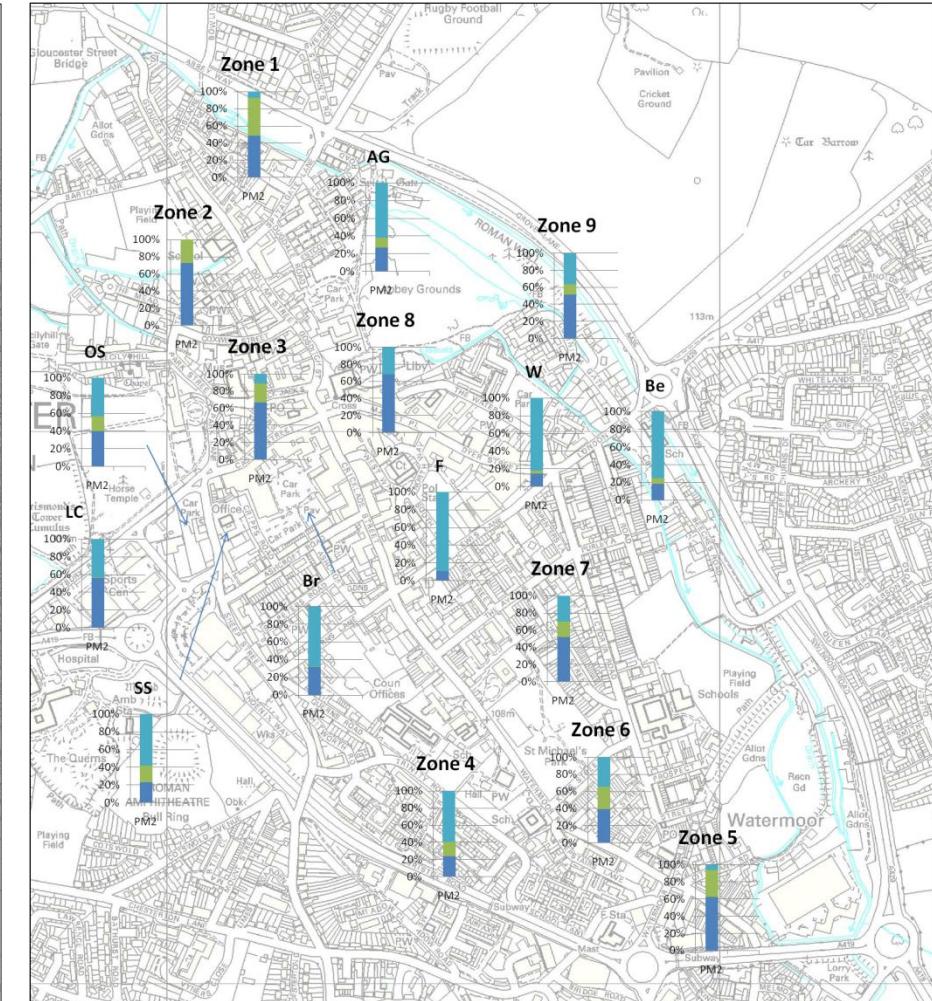
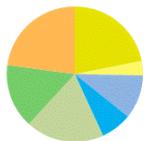
The maps below show where vehicles parked in each zone/car park came from. Vehicles have been categorised as originating from: the same zone; the Town Centre (inner Cirencester); outer Cirencester; Within 5 miles of Cirencester; within 25 miles and over 25 miles. The map on the left shows origin as a proportion of capacity. The map on the right shows how long a vehicle was parked against capacity.



Evening ANPR Results

Origin of Observed Vehicles
On Street & Off Street

Zone or Car Park Title



Evening ANPR Result

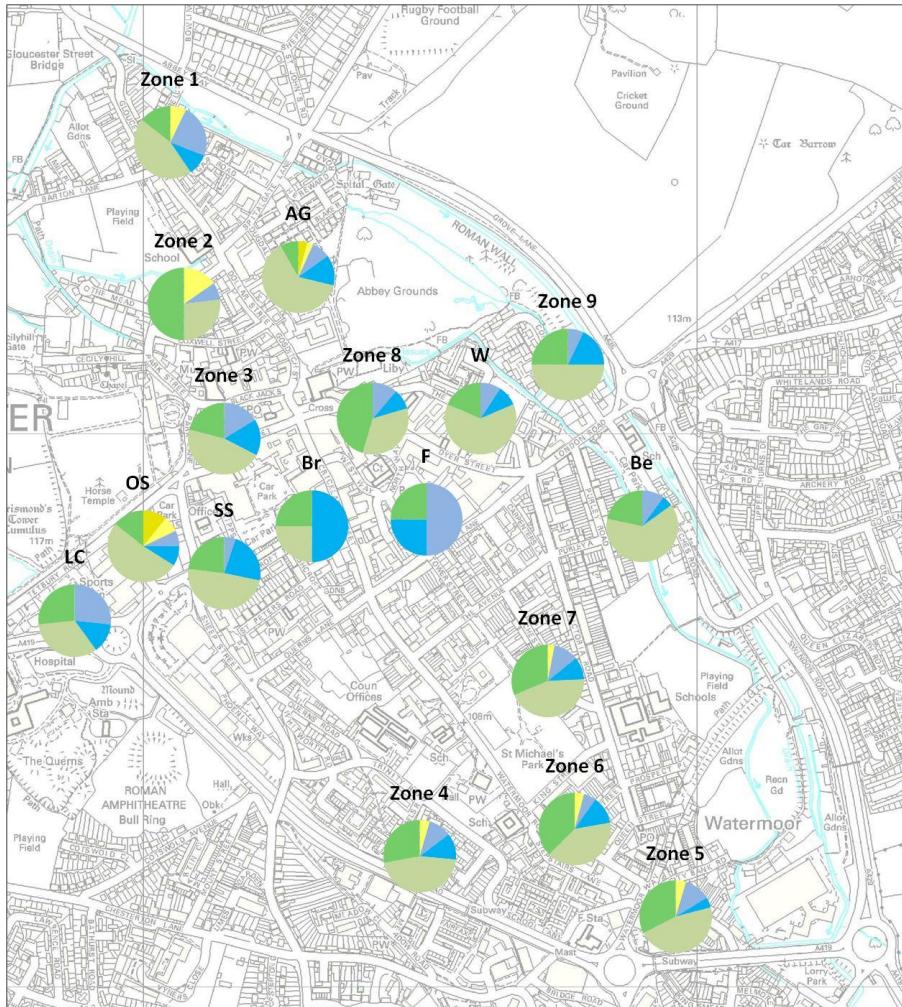
Short and Long Stay capacity
On Street & Off Street

■ Available

■ Long Stay

■ Short Stay

Parking Survey – Where did visiting long stay vehicles come from? (Weekday)

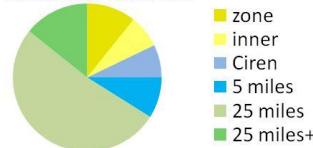


Weekday ANPR Results

Origin of Observed Long Stay Vehicles

Proportion of Parked Long Stay Vehicles
On Street & Off Street

Zone of Car Park Title



The map opposite shows where the long-stay vehicles parked in each zone/car park came from.

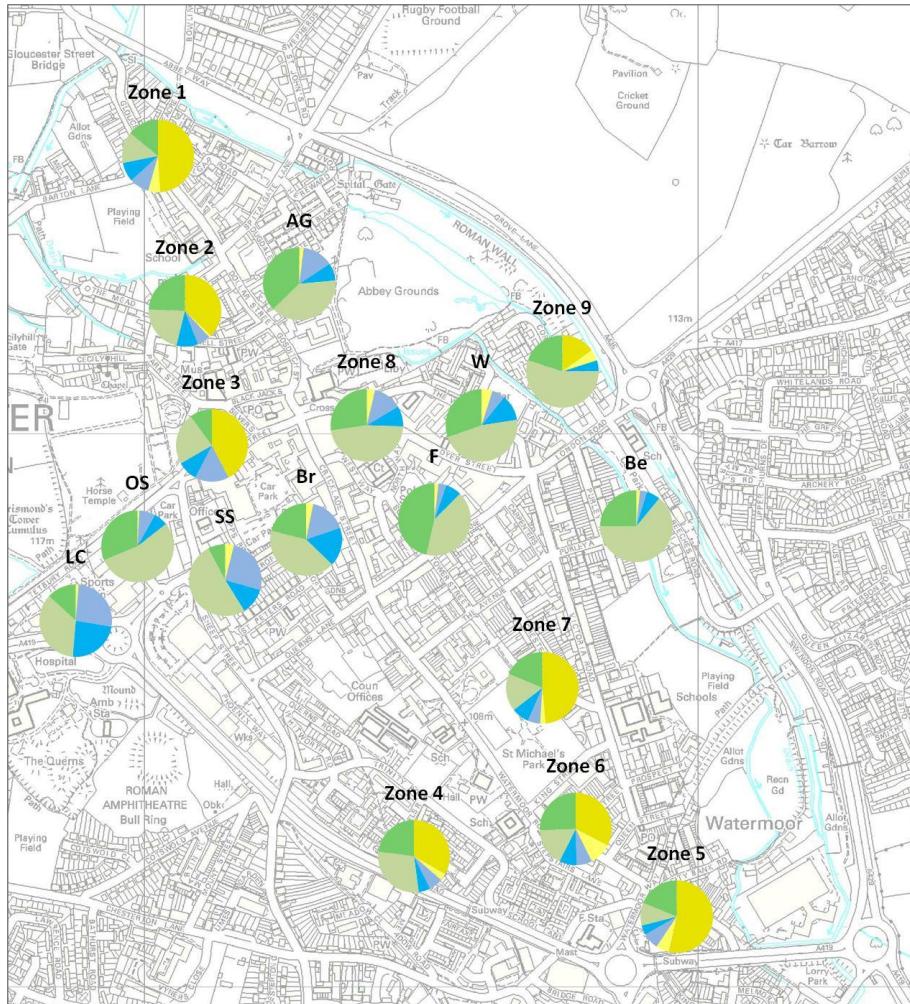
Vehicles observed in their home, or neighbouring Zone are not included. However, where vehicles have been observed parked across town from their home location, they are shown in the 'Zone' category of the zone they were parked in.

The map shows origin as a proportion of the total number of observed long stay vehicles.

Similar plans for Saturday and Sunday are shown overleaf.

The survey results show that many long-stay visitor/commuters come from between 5 and 25 miles away. More local visitors account for a higher proportion of the visitors in the very centre of town during the week, but this is reversed at weekends.

Parking Survey – Where did visiting long stay vehicles come from? (Saturday & Sunday)

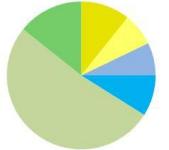


Saturday ANPR Results

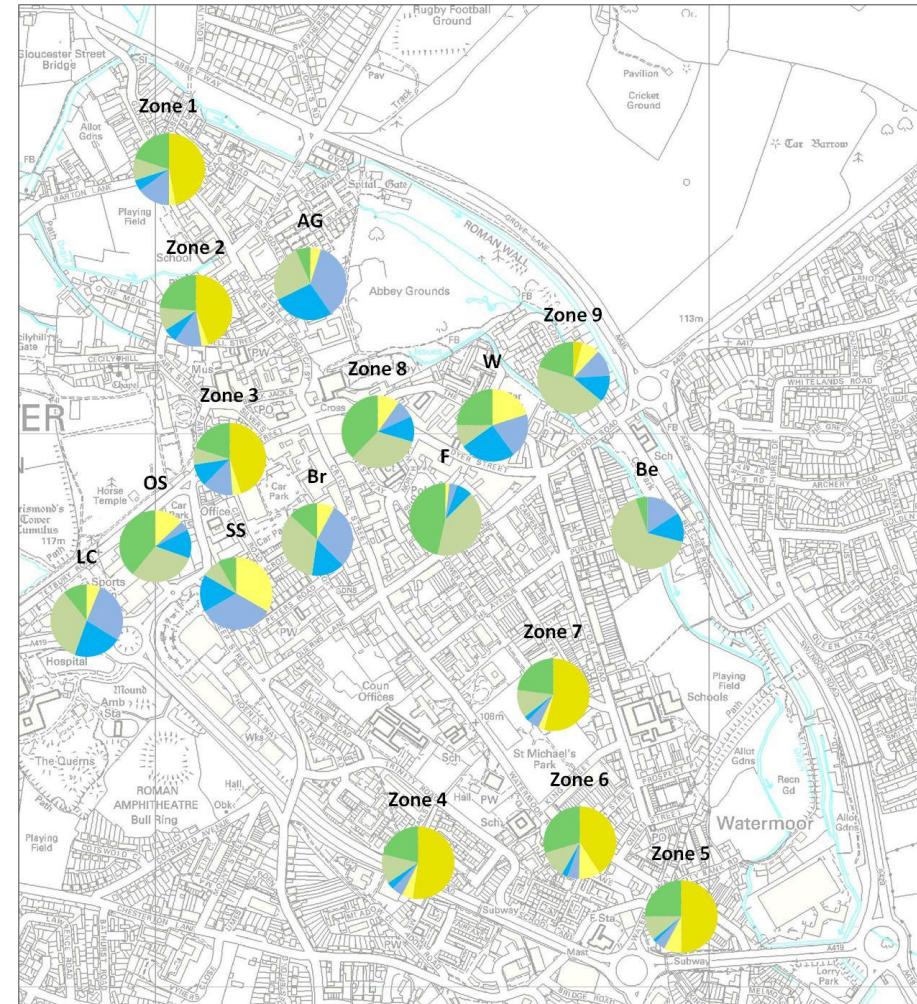
Origin of Observed Long Stay Vehicles

Proportion of Parked Long Stay Vehicles On Street & Off Street

Zone of Car Park Title



- Zone
- inner
- Cirene
- 5 miles
- 25 miles
- 25 miles+

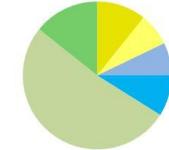


Sunday ANPR Results

Origin of Observed Long Stay Vehicles

Proportion of Parked Long Stay Vehicles On Street & Off Street

Zone of Car Park Title

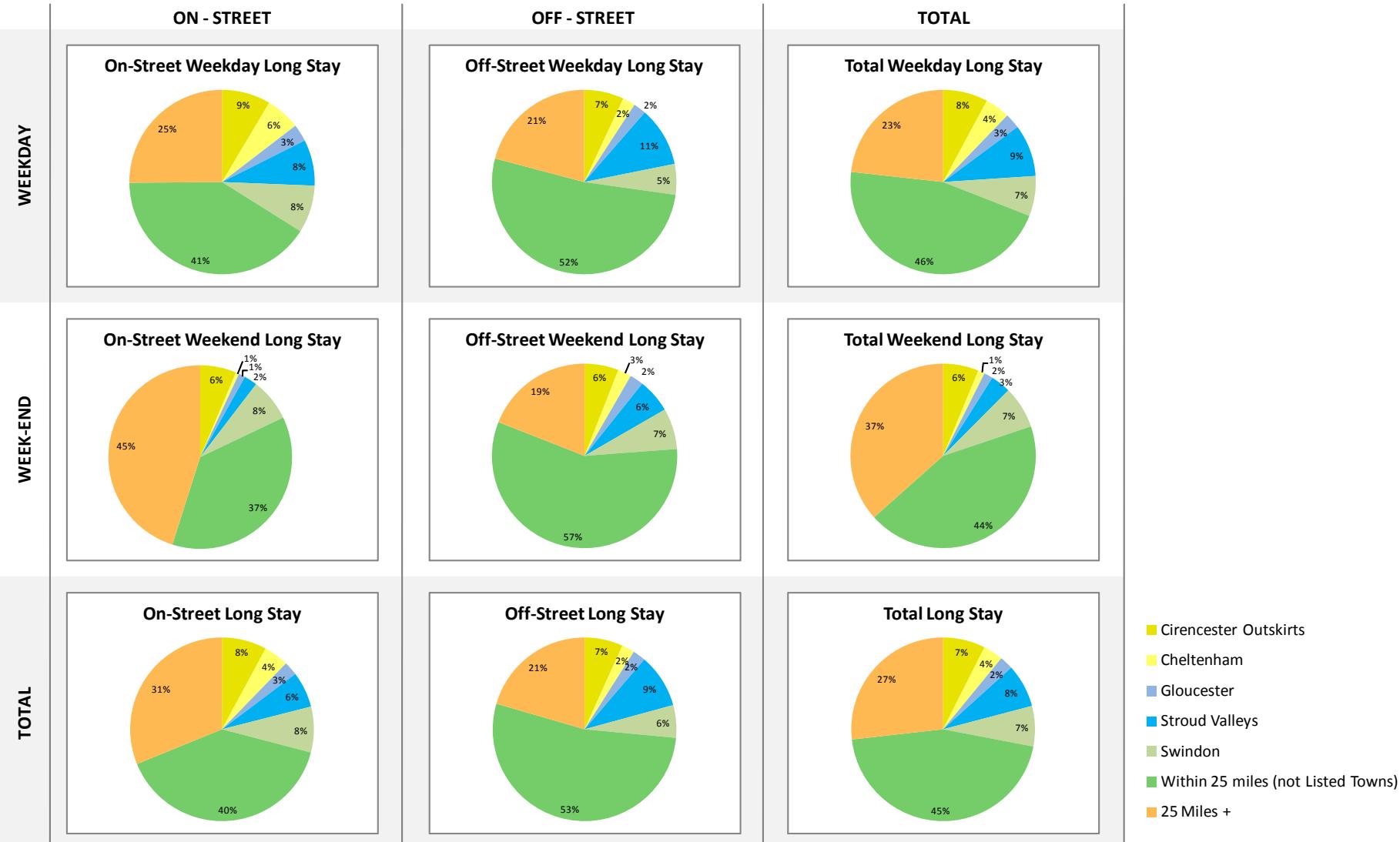


- Zone
- inner
- Cirene
- 5 miles
- 25 miles
- 25 miles+

Parking Survey – Where did visiting long stay vehicles come from? (Local Towns)

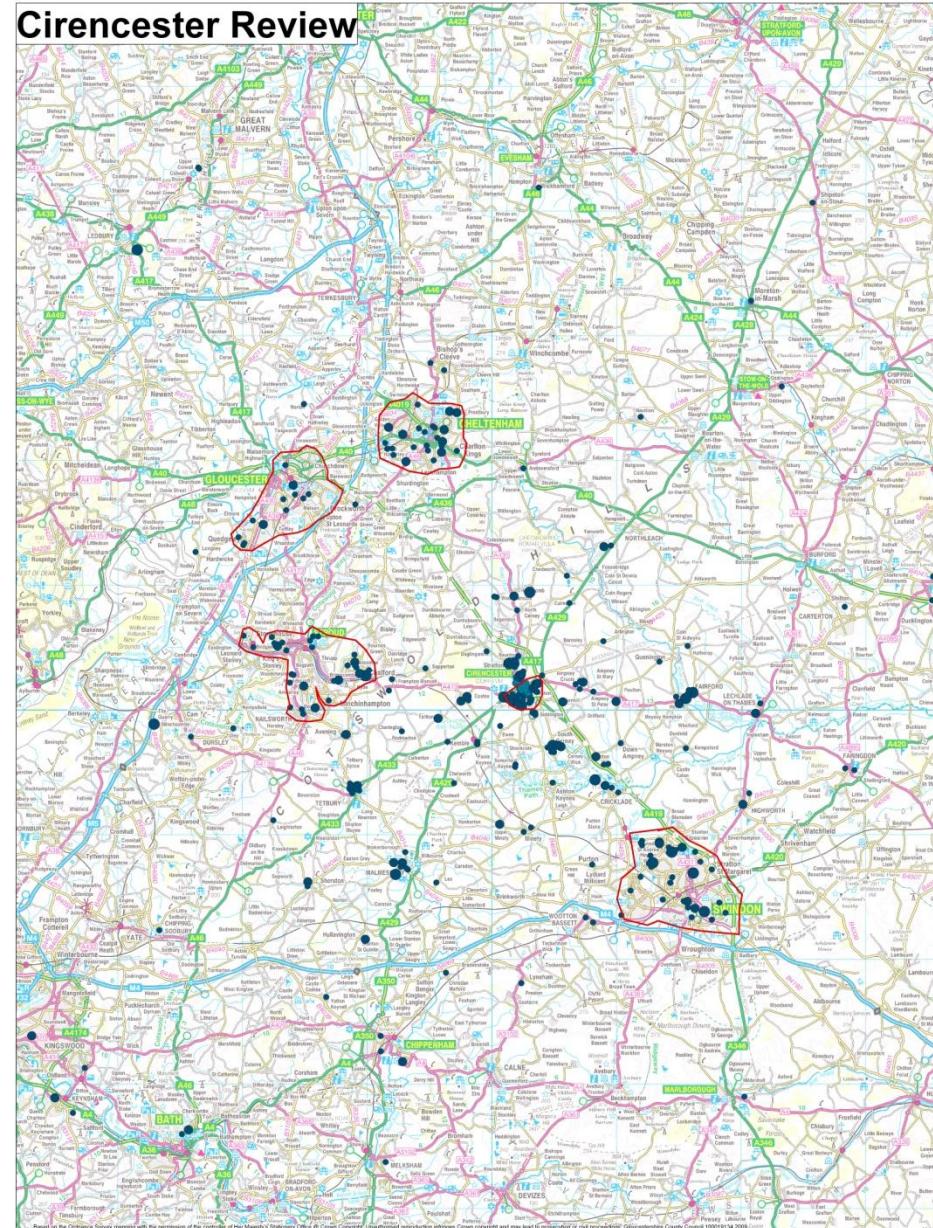
The charts below show the proportion of long-stay visiting vehicles that originated from key towns nearby. They show a large proportion of vehicles originate from within 25 miles of Cirencester, but not from key nearby towns. This means that there is unlikely to be a realistic alternative to travel by car for many of these visitors.

Cirencester ANPR SURVEY - Origin of Long Stay Parkers not Based in Survey Area (%)



Parking Survey – Where did visiting long stay vehicles come from?

Cirencester Review



The map opposite shows the origin of long-stay visiting vehicles.

The five towns identified in the previous pie-charts are shown on the map – Outer Cirencester, Cheltenham, Gloucester, Stroud Valleys and Swindon.

The map shows trip origins distributed throughout the surrounding area, including many small towns and villages.