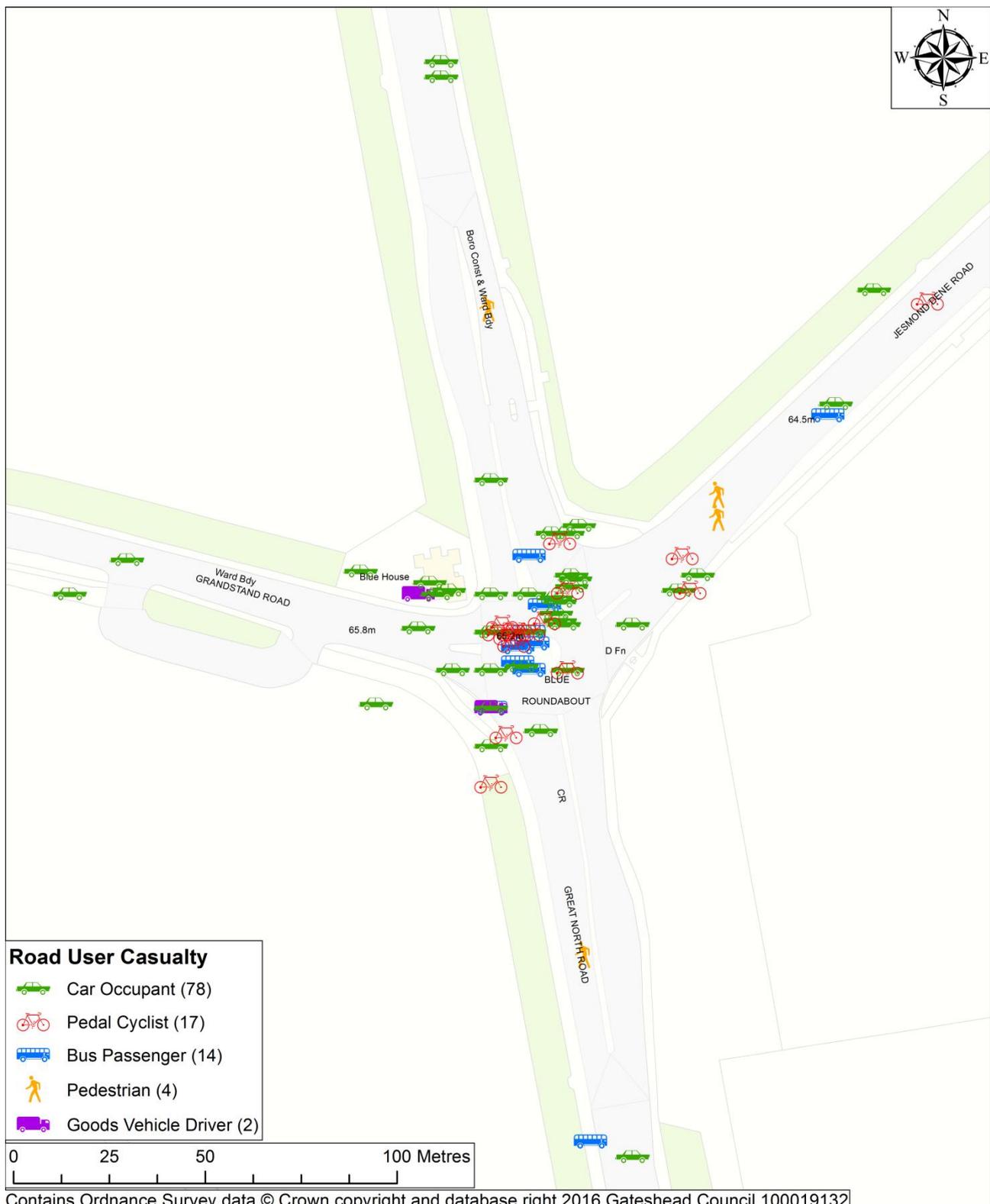


Key Statistics on Collisions and Casualties Occurring within 150 Metres of Blue House Roundabout, 2010 to June 2016

- Between 2010 and June 2016 there have been 75 road traffic collisions involving an injury reported to Northumbria Police on the approach to, and on, the Blue House roundabout junction of the B1318 Great North Road and A189 Grandstand Road.
- These 75 collisions resulted in 115 injuries, of which 4 were serious and 111 slight.
 - 2 of the serious injuries were cyclists, 1 was a pedestrian and 1 a car driver.
 - The only recorded fatality on Blue House roundabout itself occurred in 1975



- Plotting the locations of these injuries on a map using GIS shows that car occupant injuries tend to occur on the roundabout itself, and on the Grandstand Road approach
- The majority of pedal cyclist injuries occurred while on the centre of the roundabout, and particularly towards the north and westbound sides of the junction.
- Pedestrian injuries tended to be set back from the roundabout, with most crossing the road between 50 and 100 metres away from the actual entrances to the junction.
- Most bus passenger casualties occurred while the bus was negotiating the roundabout itself, while the 2 goods vehicle driver injuries were on the Grandstand Road arm of the junction.
- The majority of casualties on Blue House roundabout were car occupants, who accounted for 68% of injuries (78). Pedal cyclists were the next highest group, making up 15% of casualties (17).
- The most common causation of these injuries was the failure to look properly, which was recorded as a contributory factor in over two thirds (70%) of these injuries (either by the road user casualty themselves, or someone else involved, but not injured, in the collision).
- In collisions where a pedal cyclist was injured, 16 of the 17 injuries were caused by a car hitting the pedal cyclist, while the remaining 1 involved no other vehicles.
 - As with all injuries, the majority of pedal cyclist casualties resulted from the failure to look properly, with 8 of the 16 injuries caused by cars being due to the failure of the car driver to look properly, 2 due to both the car driver and cyclist failing to look properly, and 1 due to just the cyclist failing to look properly
- The two main movements that vehicles have been undertaking when involved in collisions have been heading from south to north, and from west to east. These two directions also constitute the main conflict on the roundabout, with vehicles heading south/north and west/east being the most likely to collide.
- Historically, the worst months for injuries on Blue House roundabout are August and September, with 35 injuries (30% of total) occurring in these two months alone.
 - The highest months for pedal cyclist injuries are May and October, which saw over a third of injuries to cyclists occur (5 out of 15, 35%)
- Over the week, the majority of injuries occur between Tuesday and Thursday, with these three days seeing 62% of all casualties. Friday saw the smallest number of injuries, with just 7% of injuries occurring on this day.
- By hour, the highest numbers of casualties are recorded between the hours of 15:00 and 18:59, with 40% of injuries happening between these times.
 - However, for pedal cyclists there is less of a pattern, with injuries spread over most of the day (although the highest individual hours were 13:00-13:59 and 15:00-15:59, both with 3 casualties each)