

University of Southern Queensland
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INVESTIGATION OF THE RELATIONSHIP BETWEEN
SPEED AND SEPARATION WIDTH FOR HEAD-ON
CRASHES IN NEW SOUTH WALES

A dissertation submitted by

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Abstract

Of all the types of crashes, head-on and crossover collisions are most severe and result in a higher percentage of deaths due to the physical forces at work when one vehicle is struck by another.

Speeding is regarded as one of the principal contributing factors in road crashes. Once a crash occurs, the outcome of the crash upon the vehicle occupants is related to the amount of kinetic energy applied to them.

Medians and/or separations between opposing carriageways aim to reduce the incidence and severity of head-on and crossover crashes

Data was obtained for crashes in the state of New South Wales (NSW). The data spanned from 2009 to 2013 and was analysed to determine the trends and common causes of head-on/crossover crashes in NSW.

Road design information such as posted speed limits, road geometry and separation width were obtained using aerial photography and crash report records. The data was used to contextualise the crashes and determine the role that speed, separation width and other contributory factors played in the crashes and their severity.

Crash data and review of the available literature indicated a significant increase in severity as the speed limit increased, however a reduction in crashes as the separation between opposing carriageways increased.

Analysis of the data concluded that there was a 90% reduction in crash rates across all speed environments when providing a separation between opposing carriageways of 0-1m. A further reduction in crashes was seen when providing a separation of 1-2m; however there was an unexpected finding of increased crash rates at locations with a 2-3m median separation.

More in-depth research is required into specific case study sites and crashes to explain these findings.

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1 Introduction

Due to the high volumes of traffic using New South Wales roads, particularly in urban areas, when a vehicle leaves the carriageway in which it is travelling and crosses the median into the opposing carriageway, there is a high probability of a collision with one or more oncoming vehicles. Many roads do not have central barrier systems to reduce the likelihood of head-on and crossover crashes.

Many years ago when the majority of NSW roads were being constructed, it was not anticipated that they would be required to cater for such high volumes of traffic. To increase their capacity and reduce traffic congestion, lanes have been added to many existing roads. Often due to properties abutting the road corridor and utilities located adjacent to the carriageway, these additional lanes were commonly created in existing medians, often resulting in minimal separation between opposing carriageways. Therefore in recent years, NSW road users have had to deal with increasing volumes of traffic travelling at higher speeds and with less separation, ultimately increasing the frequency and severity of head-on and crossover crashes. This problem is somewhat mitigated with increased vehicle standards incorporating safety components such as Anti Braking System and Stability Control.

For the purpose of this report, crash data for head-on crashes across NSW has been categorized in regards to speed and width according to the following road environment parameters:

- Crash severity (i.e. fatal/non-fatal)
- Road Environment (i.e. urban/rural)
- Road alignment (i.e. straight/curved)
- Pavement type (i.e. sealed/unsealed)
- Weather conditions (i.e. dry/wet)
- Lighting conditions (i.e. darkness, dawn, daylight and dusk)
- Vehicle type (i.e. passenger vehicle/heavy vehicle/motorcycle/bicycle)

Over a 5 year period, between 2009 to 2013, a total of 4492 head-on crashes were reported in NSW, with about 7% of these crashes resulting in fatalities.

2 Literature Review

The literature review presented in this report was undertaken to identify Australian and overseas experiences associated with head-on crashes. It will identify outcomes of investigations into the factors associated with head-on crashes and new and innovative measures used to prevent head-on crashes.

2.1 Identifying the problem

In the time it takes to yawn or reach for an object on an adjacent seat, a vehicle travelling at high speeds can cross a median and strike traffic in the opposing carriageway. Investigations by the US department of Transport found that in 2006, on the National Highway System alone, there were 821 median crossover crashes that resulted in fatalities.

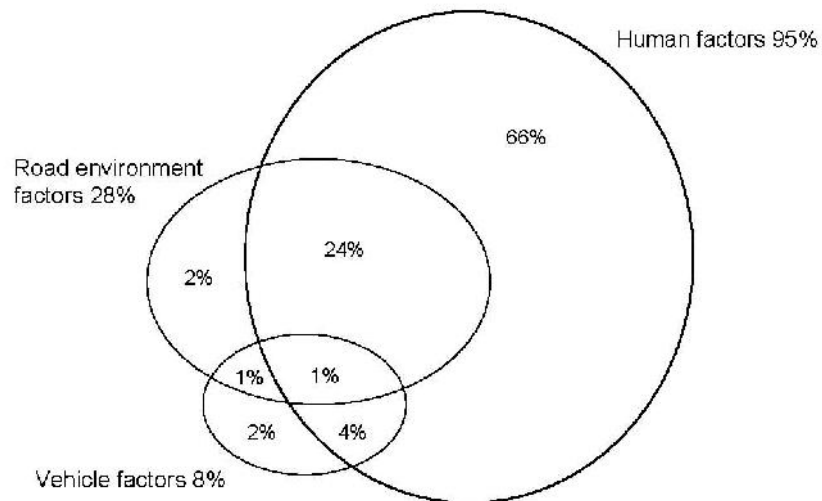
2.2 Human factors and the road environment

The Austroads Guide to Traffic Management (2009) defines a typical road environment as consisting of many elements: the structure on which the road user operates, the traffic activity on the road, furniture to the side or even in the centre of the road, devices on or adjacent to the road, i.e. traffic signals, and the land use adjacent to the road.

A safe road environment should serve the safety needs of all road users. It cannot be defined purely in terms of road user behavior. It can be defined in terms of its fundamental elements, and also in terms of how those elements influence road user behavior. (Austroads, 2009)

Whilst human factors are identified as the major contributor to crashes (see Figure 1), followed by road environment factors, the proportion of those crashes resulting in death or injury can be minimised using appropriate engineering solutions. The World Health Organization encourages nations to adopt a 'safe systems' approach, whereby the management of the physical environment of a road is optimised to minimise harm to the road user.

Austrroads states that 'safe systems' take into account human errors and frailty, acknowledging that crashes will continue to occur but seeking to avoid death and serious injury as outcomes, generally by limiting the speed at which certain types of crashes are likely to occur.



Source: adapted from Ogden (1996)

Figure 1 Factors contributing to crashes (Austrroads, 2009)

Human factors, together with road related factors suggest that engineering measures can be put in place to address crashes arising from factors other than the road environment. Development of appropriate road environment safety measures must be based on the degree of involvement that each particular characteristic of the road environment contributes to crashes.

This study will analyse various road environment characteristics and establish how they contribute to crash numbers and severity.

2.2.1 Driver distractions

In-vehicle distractions while driving increases the risk of all types of crashes. AAMI (2011) conducted a survey regarding the cause of crashes and 23% of participants responded as inattention or distraction being the

reason. Child passengers, GPS systems and changing the radio, CD or MP3 players were the main distractions identified.

An even more frequent cause of distraction for drivers on our roads is smartphones (Turner, 2011). Since their release in Australia in 2008, 52% of Australians use smartphones such as Android and iPhone (Google, 2012).

A report commissioned by NRMA insurance (Karagiannakis 2012) found that 40% of NSW drivers used their phones while operating their vehicles, 88% of these made calls, 68% used SMS and emails, 40% accessed applications and 25% accessed social media (Karagiannakis, 2012). Furthermore, the results of this survey showed that while receiving and sending texts young, inexperienced drivers made 28% and 63% more lane deviations respectively.

2.2.2 Driver fatigue

Fatigue can have a severely negative effect on a driver's concentration and reaction times. Drivers who are fatigued are often involved in run-off-road crashes and head-on collisions as the lapse in focus leads them to drift from their lane. AAMI (2007), conducted a survey which ascertained that 24% of drivers have briefly fallen asleep at the wheel and that 13% of crashes can be attributed to driver fatigue.

There are medical conditions which can affect driver alertness such as narcolepsy and sleep apnea. These conditions affect 0.51% and 33% of the population respectively and may cause excessive drowsiness (Bradfield & Cuthbertson, 2010).

Bradfield & Cuthbertson (2010) have found that chronic sleep impairment, that is disrupted or insufficient sleep over an extended period of time, can have a noticeable impact on driver fatigue. They determined that sleeping 6 hours a day for 12 consecutive days results in impairment similar to a driver with a blood alcohol concentration (BAC) of 0.08-0.1%. Even drivers who have had just one day of insufficient sleep and performed after 17 hours of being awake were comparable to a BAC of 0.05%. Certain professions like

nursing, medical interns and factory workers which require shift work are highly susceptible to fatigue related crashes.

Waking up very early in the morning can also affect driver fatigue. The Queensland University of Technology (2012) determined that after waking at 5am, drivers reported feeling excessively drowsy after 40 minutes of driving, increasing the risk of a crash occurring by up to 15 times compared to that of an alert, well rested driver.

2.3 Incidence and contributing factors to head-on crashes

Crashes tend to occur more often in urban areas; however the severity of crashes are more intense on rural roads with higher operating speeds. Tziotis (2004), on behalf of Austroads conducted a road safety investigation which reported that a person in a rural crash is 10 times more likely to die compared to a crash in an urban environment.

McLean (2002), found that from 236 rural crashes in South Australia, over half of these were identified as head-on and of a high severity. A number of these crashes were due to vehicles drifting to the left before over correcting into the path of oncoming traffic.

In 1999, the Road Safety Committee (2002) found that 14% of deaths or serious injuries in Victoria were from head-on crashes.

The Land Transport Safety Authority (2003), reports that in New Zealand a quarter of crashes in urban and rural areas were head-on crashes. Of these head-on crashes, 30% were due to loss of control on a curve, 18% were as a result of running off the road on a curve, 21% were due to crossing the centerline of a straight section of road and 9% were due to overtaking.

Head-on crashes occur more often on undivided roads or divided roads where there is no median barrier (LTSA, 2003).

According to Oxley (2004), head-on crashes generally occur for the following reasons:

- Drifting into the path of another vehicle in the opposing carriageway due to speed, fatigue or alcohol.
- Drifting left into the road shoulder, overcorrecting and straying into the opposing carriageway.
- Misjudging gaps of oncoming vehicles when trying to overtake.
- Straying into the opposing carriageway when negotiating curves usually due to excessive speed.

Austrroads Road Safety Risk Assessment Part 8 (2010) suggests that the rural road environment is significantly different to the urban environment. Factors that contribute to the occurrence and severity of head-on crashes in the rural road environment include:

Road:

- geometry of curves
- conditions of shoulders and edges of the road pavement
- inconsistent geometric road design
- delineation of road surfaces and curves
- sight distance
- opportunities for overtaking

Driver:

- lack of attention, fatigue, drugs and alcohol
- speeding
- driver inexperience when overtaking
- no seat belt worn
- driver age

Environmental conditions:

- weather conditions
- time of day
- level of enforcement
- variation of vehicle types

A majority of the above factors can also be considered contributing factors in the urban environment.

2.4 Speed

One of the main requirements in geometric road design is to establish an appropriate design speed. Austroads Guides to Road Design Part 3: Geometric Design (2010) states that when choosing a design speed for a road, rigorous estimates are required from designers to calculate the 85th percentile vehicle operating speeds for each element of the road. This is to ensure that the design speed of every element is either equal to or greater than the 85th percentile operating speed. Operating speeds should be measured where possible for both cars and trucks by means of measurement of vehicle speeds on similar roads or estimation for speeds using the Operating Speed Model. Where operating speeds cannot be determined by speed measurement or the Operating Speed Model, an operating speed of 10km/h higher than the posted speed limit shall be adopted. Austroads suggests that this adoption of a 10km/h higher operating speed reflects the desired speed of drivers and provides a factor of safety given the lack of information. The table below shows typical operating speeds for multiple urban roads

Table 1 Typical urban operating speeds (km/h)

	Inner urban	Outer Urban
Freeway	100	110
Dual Carriageway with service roads	80	90
Dual Carriageway without service roads	70	80
Single carriageway two-way arterial	70	80
Collector roads	60	70
Residential streets	50	60
One-way service roads	50	60

Vehicle speed can have a significant effect on crash severity and mortality. With an impact speed of 70km/h or less occupants in a head-on collision have a reasonable chance of survival (ATC, 2011).

Head-on crashes with impact speeds of 40km/h are likely to result in survival of the driver and passengers when colliding with roadside furniture such as trees and poles (ATC, 2011). Modern vehicles perform better in these conditions due to improved safety features (ANCAP, 2011).

The Australasian New Car Assessment Program (ANCAP) has performed several tests to determine the chances of surviving head-on crashes at various speeds. In a moderate overlap test, where 40% of the vehicle on the driver's side collides into a barrier, they found that speeds up to 64km/h resulted in a reasonable chance of survival when tested on vehicles with a 5-star rating (ANCAP, 2011).

The chances of surviving a head on collision dramatically decrease when speeds exceed 70km/h (ATC, 2011). Similarly when a vehicle collides with a pole or a tree at speeds greater than 40km/h the odds of surviving are reduced. Rates of relative risk associated with different speeds are described below.

Roads and Maritime Services (RMS) reported that in NSW speeding contributes to approximately 40 per cent of deaths on the roads, giving an average of 177 deaths each year in speed related crashes in NSW.

Speeding increases the risk of occurrence and the severity of a crash. RMS identified that driving 65km/h in a 60km/h speed environment doubles the risk of crashing. The table below shows the relative risk of crashing associated with exceeding a 60km/h speed environment.

Table 2 Relative risk to 60km/h GEARED, 2015

SPEED – KM/H	RISK RELATIVE TO 60KM/H
65	2 times
70	4 times
75	11 times
80	32 times

It should be noted that in a real world collision the severity of a head-on collision at these speeds is significantly worse than any other crash type (IIHS, 2009). However, designing vehicles that can better withstand head-on collisions can impair their ability to withstand other crash configurations, and therefore could increase the severity of other crash types (IIHS, 2009).

2.5 Medians

The most important objective for the presence of medians is traffic separation in order to reduce the incidence of cross-over and head-on collisions. They are also provided to improve safety and operation for multiple lane roads by providing recovery areas for errant vehicles, provision for emergency stopping and accommodation of right turn lanes. Austroads (2009a) states that the provision of a median or similar structure can reduce the incidence of head-on crashes by 90%.

A review of head-on crashes with respect to median width by Hauer (2000) indicates the following safety trends:

- The incidence of crossover crashes are reduced on roads with wider medians.
- The frequency of median related crashes increase as the median width increases up to 30ft (10m) and decreases with medians over 30ft (10m).
- The effect of median width on total crashes is questionable.

Another study by Hadi et al (1995) uses negative binomial models based on the traffic volume range and number of lanes to estimate the effects of cross-section design elements on fatality and injury crash rates for various types of rural and urban highways at different traffic levels. The study proved that increasing lane width, median width, inside shoulder width and/or outside shoulder width are effective in reducing crashes.

Guide to Road Design Part 3: Geometric Road Design (2010), reports that previous studies have demonstrated that wider medians improve safety, with 90% of run-off-road crashes deviating less than 15m from the edge of

carriageway. For medians less than 15m wide or on high volume/ high speed roads, a safety barrier should be considered to minimize crossover crashes.

The effect that median strips have in preventing collisions and fatalities on roads has been embraced by road designers in recent years. In 2011, the Australian Federal Government spent \$2.2 million on a painted centre median along the Bruce Highway. In the year following the installation no fatal crashes occurred on that length of the highway. Previously there had been up to one per week. The median helped reduce the likelihood of head-on crashes by separating opposing traffic. As a further preventative measure, wire rope barriers were installed between opposing traffic lanes. These barriers stop vehicles from crossing onto the wrong side of the highway into the path of other vehicles. The speed restriction was also reduced to 90km/h which has contributed to the reduction in fatal crashes.

It is not always possible to install a physical median on our roads. For example, on rural roads geographical constraints may restrict construction widths. However, the need for a preventative measure in the rural environment remains as head-on and off-to-the-right crashes are the most severe types of crashes on rural NSW roads (Levett et al, 2009).

2.6 Countermeasures

2.6.1 Delineation

Delineation improves a driver's ability to manoeuvre their vehicle safely along the road. The chance of a vehicle leaving the road or imposing on other lanes of traffic increases when delineation is unclear or non-existent.

McKnight et al. (1998) researched the combined effect of lane line width and contrast to the surface of the road on the driver's lane discipline. Using a driving simulator, participants were asked to drive as close as possible to the centre of the lane. They were then exposed to lane line widths of 100mm, 150mm and 200mm. From the results of this experiment it was evident that the width of the lane line had a impact on the vehicles lateral

placement. The frequency with which the vehicle encroaches onto the lane lines and into the adjacent lanes is also affected by the width of the line.

It is noted that deterioration in performance only occurred in conditions where lines were less visible and had poor contrast to the road. The authors suggest that this would occur when rain covered the road at night, or during periods of inclement weather such as fog, resulting in a greater likelihood of vehicles leaving the road and crossing into the opposing carriageway.

Northern Transport Planning and Engineering (2002) conducted a similar study on the Pacific Highway in New South Wales. Three separate sites were selected with different centreline characteristics: double white lines 100mm wide with 50mm separation; double white lines 150mm wide with 100mm separation; and double white lines 150mm with 800mm separation. Researchers then measured the separation between vehicles travelling in the opposite direction. Unsurprisingly the separation was greatest at the location with 800mm separation between lines and was least at the location with 50mm gap.

2.6.2 Painted medians

Another way to improve traffic safety is by using painted medians. They decrease head-on crash incidence by separating opposing flows of traffic and reducing the potential for overtaking. They are more cost effective to install than concrete medians. The UK highways Agency (1993) stated that central hatched road markings minimise the risk of crashes around curves and crests by providing a separation channel between traffic.

Using a driving simulator, Godley (1999) evaluated the effect of several perceived countermeasures on driver behaviour. The two measures selected were white painted hatched medians, which are used to influence perception of speed, and white gravel medians which create a “rumble” effect. This causes the car to vibrate or rumble over the rocks, thus catching the drivers attention and discourages motorists from using the centre of the road. The hatched medians proved to have a greater impact on vehicle speed than

gravel medians. Speeds were 3km/h less on straight roadways with a hatched median than on similar straights with a gravel median. On curved roads vehicles travelled 1.5km/h less with hatched medians when compared to gravel medians.

Painted medians can be an effective way to separate opposing traffic therefore reducing the frequency and severity of head-on or crossover type crashes. They are created by having two centerlines separated by a certain width. This width of separation can influence the median's effectiveness. Levett (2009) established that painted medians should be a minimum width of 1m, and by increasing the separation width, there is a subsequent reduction in the risk of a collision. The effectiveness of the strip is further enhanced when using audio tactile line marking (Levett et al, 2009).

Levett et al (2009) conducted research examining the effect of various types of medians on head-on and off-to-the-right crashes over an 8 year period between 2001 and 2008. The study looked at 5 types of medians:

- Standard centreline and barrier line
- 0.5m wide painted median
- 1.0m wide painted median
- 0.5-1.0m wide profile (audio tactile profile) painted median and
- 2.0m wide wire rope median barrier

The 0.5m wide painted median had a modest effect on the total crashes but no effect on crossover crashes. The total number of crashes was reduced from 41 to 25 while the number of crossover crashes only fell by one. The researchers found that this median width did not create enough separation between opposing traffic to allow for driver error (Levett et al, 2009).

The 1.0m wide median installed along the Pacific Highway had a more noticeable effect. The total number of crashes reduced from 21 to 8 and crash severity (i.e. fatal and injury crashes) reduced from 8 to 4. Furthermore crossover crash numbers fell from 9 to 4. The wider separation clearly proved to have a positive effect on the frequency and severity of crashes.

The 0.5m to 1.0m wide profiled median installations also had a positive influence on crash rates as data showed a reduction in total crashes from 19 to 5, and crossover crashes from 7 to 1.

The crash data from the 2.0m wide median with a centre wire rope barrier achieved a reduction in total crashes from 46 to 33, and crossover crashes from 23 to 22. While the frequency of the crashes was not hugely effected, the severity was. Prior to the installation 12 crashes resulted in fatality or injury and 11 required the vehicle to be towed. Post-installation, 2 crashes were fatal or resulted in injury and 20 vehicles were towed from crashes into the barrier.

Levett et al (2009) concluded that to maximize the benefits of a painted median the installation must be at least 1.0m wide and feature audio tactile profile line marking. These specifications were most effective in reducing head-on and off-to-the-right crashes.

Whittaker (2012) concurs with these findings by reporting a 75% reduction in severe head-on and crossover crashes on sections of the Bruce Highway in Queensland after implementation of a 1.0m wide painted median.

Similarly Austroads (2012b) conducted a review of local and international literature and found a casualty crash reduction factor of 15% for the rural and urban environment when a 1.0m wide painted median was introduced.

2.6.3 Centreline rumble strips

Rumble strips are textured transverse delineation on the road that create an audible warning for drivers when they deviate from their path. They can be grooves milled in by cutting the pavement or rolled in by making indentations into the pavement. They can also be a corrugated strip added to the pavement surface.

Since the mid 1950's rumble strips have been used in the USA to reduce drift off road crashes on the shoulder of main roads (Noyce & Elango, 2004). It has been proven to be a very successful method as drivers veering

off the road are alerted by the sound and vibration of the car travelling along the rumble strip (Federal Highway Administration, 1998).

In recent years rumble strips have been installed in the centre of the road and are referred to as centreline rumble strips (CLRS). They work to prevent head-on collisions by alerting drivers to the fact that they are crossing lanes into opposing traffic. They can also be used to create wider separation between opposing traffic therefore decreasing the prevalence of head-on collisions even further. Sections of two and four lane undivided roads in the US, several Canadian provinces and New Mexico have employed the use of CLRS and have reported a decrease in the frequency and severity of head-on collisions (Noyce and Elango, 2004).

A large scale study was conducted by Persaud et al. (2004) to determine the impact of CLRS on crash rates. Crash data was selected from approximately 340km of roads across seven US states and compared before and after the two lane rural roads had CLRS installed. They determined that the presence of CLRS resulted in a reduction of 12% in all types of crashes. Standard injury crashes decreased by 14%, while front on and opposing direction sideswipes injury crashes were significantly reduced by approximately 25%.

Further examples of the effectiveness of CLRS are evident in a report by the Delaware Department of Transportation (2002), who determined that after installing CLRS on a two lane undivided rural highway with a high crash fatality rate, no fatal crashes occurred and the number of head-on crashes decreased by 95%. This intervention resulted in a reduction in the overall crash rate decreased by 8% (Delaware DOT, 2002).

Outcalt (2001) also determined that CLRS are an effective method of reducing head-on and side swipe opposite direction crashes. They evaluated the crash rate before and after CLRS were installed along an undivided two lane highway in Colorado and found a reduction of 36.5%.

The main significant negative outcome of rumble strips is that motorcycle riders can potentially lose control of their vehicle when straying onto a strip and the vibration can cause loss of balance or control of the vehicle.

2.6.4 Optical Speed Bars

Optical speed bars are stripes painted perpendicular to the centre or edge line. They are spaced at steadily decreasing distances to make the driver feel like they are travelling at a high speed. Due to this perception the drivers often reduce their speed.



Figure 2 Optical Speed Bars (McGee and Hanscom, 2006)

These stripes are 450mm long and 300mm wide and are spaced four stripes per second of travel speed. Therefore the width between the stripes would vary depending on the speed limit and desired speed reduction. For instance if the stripes start along a length of road where the vehicle speed is 100km/h and the desired speed is 70km/h, the bars will start at four bars per 28m and reduce to four bars over 19m. The principle of installation is to create the illusion that the driver has increased their speed, resulting in them slowing down.

Arnold and Lantz (2007) installed optical speed bars at two locations and recorded their effect on driver speed. Both sets of bars were 300mm wide and resulted in a speed reduction of 1.5km/h to 5km/h. They concluded that they had a small effect on reducing vehicle speeds and were most effective when installed across the travel lane, rather than those that extend a short way from the centerline or edge line.



Figure 3 Optical speed bars across the travel lane (Arnold and Lantz, 2007)

Arnold and Lantz (2007) suggest that optical speed bars are most effective in reducing vehicle speeds approaching a hazardous roadway section, a reduced speed zone or other roadway change area, i.e. school zone.

2.7 Strategies to mitigate highway safety problems

2.7.1 Road design 2+1 scheme

Highway networks cannot maintain the same standard due to economic limitations and a highway of lesser standard may need to be adopted. An example of this is when a divided carriageway i.e. motorway becomes a single carriageway i.e. two lane highway. Single carriageway highways are considered less safe than divided motorways. An innovative treatment which has been used in Europe since the 1980's is the 2+1 road scheme which provides a third lane alternating in flow directions giving vehicles an opportunity to overtake. This treatment can help to bridge the gap in safety when transitioning from a four lane divided to a two lane undivided highway.

The US National Cooperative Highway Research Program (NCHRP) undertook site visits in various countries around Europe where the 2+1 road design was implemented. The NCHRP (2003) found that optimal operation was observed on roads which had a vehicle count of 15,000 to 25,000 per day and cross sections of around 13m, as under these conditions crash frequency reduced by 22%. Furthermore roads with a wire rope barrier had a crash reduction of 55% with a concurrent decrease in crash severity also. The analysis found a decrease in unsafe manoeuvres upstream on two lane undivided highways where a 2+1 design has been implemented and a decrease in overtaking manoeuvres downstream.

2.7.2 Public information and education programs

The effectiveness of road safety campaigns can be enhanced by implementing a Public Information and Education (PI&E) campaign. Traditionally PI&E campaigns are designed to reach an audience across an entire region. However, location specific problems can also be targeted using roadside signs.

2.7.3 Enforcement of traffic laws

Law enforcement programs focused on traffic laws can have a significant effect on highway safety. Well designed and well operated programs are a crucial element in any comprehensive highway safety program. For example, it is well documented that an effective way to reduce the frequency and severity of highway crashes is to enforce the laws regarding using seatbelts and driving under the influence (DUI) of drugs and alcohol. When these laws are stringently enforced by police officers, these behaviours are discouraged and incidents on the road become less frequent and less serious. These enforcement programs are conducted at specific locations. For example, fixed speed cameras can be installed, a random breath testing unit can be set up road side in which drivers are directed into a slip lane, or police vehicles can conduct patrols to target seat belt use. These strategies

are usually effective, although their effectiveness can be reduced if motorists find an alternate route to avoid police.

2.7.4 Strategies to improve emergency medical and trauma system services

Swift treatment of injured parties at road crashes has a improved impact on crash survival rates and the length of time that an individual spends in hospital and recovery. Quick response from emergency services can reduce post injury severity significantly. Therefore a basic function of highway safety infrastructure is a comprehensive emergency care program. Common problem areas can be rural roads and narrow corridors.

A strong management structure, as well as clear laws, policies and sound infrastructure are pivotal in implementing a successful highway system with consistent monitoring.

2.8 Case study – Picton Road

Picton Road, the northern most direct east west transport route south of Sydney, has been focus of the ‘Black Spot Program’ due to the prevalence of collisions along the corridor. It connects the two major north south routes between Sydney and Melbourne.

The objective of the Picton Road project was to reduce the frequency and severity of crashes, thereby making it safer for the 15,000 motorists who travel along it each day. The improvements were designed to prevent the most common crash types; speed related crashes, head-on collisions, wet road surface collisions and run-off road crashes. Many man hours were spent installing 6.5km of new guardrail, 10.8km of concrete or wire rope median barrier, realigning two dangerous reverse curves and increasing overtaking opportunities in both directions. Throughout the project the speed limit was reduced to 90km/h. Upon completion it was restored to 100km/h.

Since the commencement of the project in 2009, the frequency and severity of crashes have substantially decreased. Out of all crashes along Picton Road, RMS has recorded a decrease in the proportion of:

- Head-on crashes from 14% to 12%
- Speed related crashes from 30% to 27%
- Crashes occurring on a wet road surface from 38% to 23%
- Run-off road crashes from 41% to 37%
- Fatal crashes involving heavy vehicles from 67% to 63%

To reduce the frequency of collisions involving heavy vehicles, point-to-point speed enforcement has been implemented along the corridor. It works by timing how long it takes a vehicle to travel between two fixed camera points. If the vehicles average speed is higher than the posted speed limit, an infringement notice will be issued. There are clearly visible warning signs in advance of the cameras which read “Average Speed Safety Camera”. The aim is to change the driver’s behaviour and encourage them to adhere to the speed limit continuously throughout their journey.

The largest and most critical section of Picton Road is located from Mount Keira Road to approximately 3.5km west. This stretch of road has experienced a large number of crashes which have been attributed to large reverse curves in the alignment. Treatment for this section of road involved major work to realign these two curves, providing suitable geometry for a 100km/h design speed.

To improve the safety and efficiency of this section of road, four key features were implemented. Firstly two curves where there was a high incidence of run off the road crashes was realigned into a 460m radius curve with a 100km/h design speed. Secondly, a concrete median barrier designed to separate opposing streams of traffic was installed to reduce the number and severity of head on and run off road crashes. Furthermore, the overtaking lane from Mount Keira Road towards the reverse curves was extended allowing for considerably longer overtaking opportunities to minimise the risk of head on collisions. Lastly, pavement reshaping was

implemented to improve surface drainage, subsequently minimizing the risk of crashes on a wet surface.

From January 2005 to January 2009, prior to the safety improvement program, there was a total of 108 crashes recorded. Since the start of the safety improvement works in January 2009 to 31 December 2012, the number of crashes has decreased to 82.

3 Methodology

3.1 Review of research methods

There have been a number of reports prepared on road safety and the relationship of crash rates and their severity. Research into head-on crashes and their effect on crash rates depends on accurate and reliable methods to produce accurate results. This section of the report outlines the methods used and validation of these methods. This section provides a valid and accurate platform for results to be presented in the following section of this dissertation.

The model for most of the literature review in section 2 of this dissertation has been the use of historical 'CrashLink' crash data. This is the most preferred method for highlighting the correlation between head on crashes and other contributing factors such as speed and separation width. Statistically, a sample is deemed of sufficient size to indicate trends once reaching at least 30 samples (Stattrek, 2014). Using larger samples will reinforce findings if some appropriate controls are applied.

The use of such controls is required to ensure that factors that contribute to results are noted and any ambiguities are eliminated from the analysis as required.

In 2010, Austroads research analysed a total of 1385 crashes across Australia and New Zealand. The study aimed to identify factors that contributed to the occurrence and severity of head-on crashes on rural roads. There were limited controls in place except for the type of crash limited to head-on only.

The use of 1385 head-on crashes proved adequate to analyse a varied range of parameters that may have contributed to head-on crashes. The findings by Austroads presented a basis for further research into head-on type crashes.

3.2 Focus of research

As outlined in the literature review, the specific effects of speed and separation width on head-on crashes are considered minor with little research attributing speed and width to crash rates. Further research into this has formed the basis of this dissertation.

The analysis of crashes in this dissertation are categorised by posted speed, as follows:

- Low speed – 50 to 60km/h
- Moderate speed - 70 to 80km/h
- High speed - 90 to 110km/h

These categories will help tailor the analysis to extract key findings better suited to the road design community. Road Safety projects across NSW are undertaken on existing road corridors where posted speed limits are to remain unchanged. Therefore analysing the crashes based on the different speed categories mentioned above will be more beneficial to design practitioners when nominating a suitable cross section for a given speed environment.

3.3 Research method adopted

The basis of this research is to provide further knowledge into the areas of need as identified in section 2. Historical data and design information will be used at sites with a crash history to try and establish a correlation between head-on crashes, posted speed limits and separation width.

Crash rates provide proof of road safety performance parameters. To develop key findings, crash reports will be used to extract information about a crash. Crashes are a key indicator of road safety, whereas crash data is an effective way of developing road safety findings as it portrays actual real life events caused by the road environment, the vehicle and the operator of that vehicle. The aim of the analysis in this dissertation is to identify how various parameters contribute to head-on crashes.

To develop a relationship between head-on crashes, speed and separation width, additional information is required to provide significance to the data. Each crash site was examined to analyse the horizontal alignment and separation width, if any. This specific analysis is vital for developing relationships with the crash data.

Both crash data and site specific data are required for a detailed analysis to be conducted and discussed. The review of material in Section 2 of the research presented trends between crash data and other features such as road and vehicle parameters. Similarly, this research uses data of head-on crashes together with road, vehicle and environmental parameters.

Simulation models are good methods of data analysis however they require the application of mathematical analysis. This method provides crash estimates dependent on the validity of the input data. The model would also require validation by means of real world testing. It is neither feasible or an efficient way of producing results for this research.

This research will depend on crash data to develop relationships between head-on crashes, speed, separation width and other crash data. Potentially this research could contribute to simulation models to consider speed and separation width.

3.4 Sources of data

3.4.1 Crashlink

Crashlink is the NSW reporting system used by RMS to record crash data across the state. Emergency services who attend crash sites are responsible for recording crash information. These records provide details about each crash such as the location, crash type, vehicle type, speed limit, road features and driving conditions. This data is vital in analysing certain types of crashes. In this dissertation Crashlink will be used to analyse the relationship between speeds, separation widths and head-on crashes.

The accuracy of Crashlink data is questionable, particularly the location of the crash, as no strict controls are in place to ensure accuracy. The location

of the crash, for instance, is generally not captured during the initial response to the crash. Rather than being accurately collected with GPS data, the location is often defined by the investigating officer's description of the location (e.g. 500m west of the intersection with the Pacific Highway), and then mapped by Crashlink staff. The accuracy is therefore dependent on the investigating officer's memory and ability to judge distances; a subjective rather than objective measure.

Other crash parameters may also have accuracy issues. For example, drivers reporting to police may deliberately alter their account of events to avoid any penalty or blame. This could lead to misclassification of the crash or even lead to the crash being unreported as it does not satisfy certain criteria. Unreported crashes may include significant findings that remain uncollected.

Human errors in data entry can further affect the quality of the Crashlink data. A number of Road User Movement (RUM) codes are used to describe a wide range of crash types. There is a high likelihood of incorrect utilization of these codes whereby the quality of data is limited to the interpretation of the record officer.

For a crash to be included into the database the following criteria must be satisfied (Transport for NSW):

- The crash was reported to the police
- The crash occurred on a road that is open to the public
- The crash involved at least one moving road vehicle
- The crash involved a fatality, an injury or a requirement for a vehicle to be towed.

It is noted that some crash information is not received until a significant time after the crash and after the annual crash database has been finalized. To ensure optimum accuracy, it is advisable not to use the most recent crash data.

The following crashes and their reasons for exclusion are listed below:

- Crashes outside the 5-year study period (2009-2013) were excluded because crashes occurring before this period may have significant

changes to the road environment and therefore limited to 5 years. Crashes occurring after the study period may not have been finalized and hence not a complete year of data.

- Crashes with speeds reported as 20, 30 or 40km/h have been excluded as they occurred in high pedestrian urban areas where many other factors could have contributed to the event of the collision. Also crashes where the posted speed was not reported and cannot be identified by aerial imagery or google maps were excluded.
- Crashes that occurred at any intersection (i.e. signalised or unsignalised) or within 2 seconds of travel from the intersection were omitted from the analysis as the operation of the signals may have contributed to the collision or the movement of the vehicles when the collision occurred was not opposing movements and recorded incorrectly by the authorities.
- Crashes where surface conditions were unknown in terms of weather (i.e. dry/wet) and pavement materials (i.e. sealed/unsealed) were omitted from the analysis due to the small number of these crashes giving results more clarity. However, crashes where the age or gender of the controller was unknown, were kept in the data set due to the large number of these occurrences.
- Speeding, fatigue or distraction involved crashes were included in the data set. However, these parameters were not analysed as they may be dishonestly reported to avoid any penalty or blame. Fatigue especially is often attributed to crashes based on time of crash rather than any knowledge of the state of mind of the driver.
- Crashes with an unknown vehicle type were excluded from the data set. The accuracy of reporting of these crashes were questioned as such an obvious parameter was not accounted for.

For simplicity of reporting and analysis the following crashes were categorized accordingly:

- Crashes occurring on dual freeway carriageways were merged into divided road crashes as both categories consist of a separation width above zero.
- Crashes occurring at L-junctions were merged into either divided or undivided depending on the separation width.
- Crashes categorised as Sydney metro, Newcastle metro, and Wollongong metro were combined into the category 'urban'.
- Crashes categorised as country non-urban and country unknown were merged into the category 'rural'.
- Crashes categorised as bicycle and motorcycle were merged together for ease of reporting.
- Crashes categorised as tow-away and injury were merged into the category 'non-fatal'.
- Crashes categorised as dusk or dawn were combined into the category night and daylight respectively.

Making these adjustments will add more clarity to the results to ultimately identify more prominent trends for analysis.

3.4.2 Traffic Volumes

This study concentrates on the total head-on crashes across all of NSW and not site specific investigations, which includes local roads and rural roads in NSW.

The RMS Average Traffic Volume Database collects data via permanent and temporary roadside traffic counting devices which are indicative counts at instantaneous points along the corridor only and volumes are referenced from the closest traffic volume counter shown in the database for that particular section of road. It may not necessarily represent the exact traffic volumes for the whole corridor.

AADT's represent traffic in both directions of travel over a 24 hour period and is the total yearly traffic volume divided by 365 days.

4 Results

4.1 Speed vs. separation width

The following results represent head-on crashes in NSW during the study period (2009-2013).

	50km/h	60km/h	70km/h	80km/h	90km/h	100km/h	110km/h	Total
0	889	1018	167	783	112	1021	44	4034
0-1m	14	46	21	5	1	0	0	87
1-2m	13	51	29	12	2	2	0	109
2-3m	7	33	19	23	6	9	0	97
3-5m	6	31	15	23	3	9	0	87
5+m	2	8	6	22	4	12	24	78
Total	931	1187	257	868	128	1053	68	4492

Table 3 Number of crashes - speed vs. separation width (0-5m)

	50km/h	60km/h	70km/h	80km/h	90km/h	100km/h	110km/h	Total
5-6m	1	3	1	6	2	3	0	16
6-7m	0	3	1	3	1	0	1	9
7-8m	0	1	0	0	0	0	1	2
8-9m	0	0	1	1	0	0	1	3
9-10m	1	0	0	0	0	1	2	4
10-11m	0	0	0	1	0	3	1	5
11-12m	0	0	1	6	1	1	2	11
12-13m	0	0	1	2	0	1	2	6
13-14m	0	0	0	1	0	0	2	3
14-15m	0	0	0	2	0	0	1	3
15-16m	0	0	0	0	0	0	1	1
16-17m	0	0	0	0	0	1	1	2
17-18m	0	0	0	0	0	1	1	2
18-19m	0	0	0	0	0	0	1	1
19-20m	0	0	0	0	0	0	0	0
20-21m	0	0	0	0	0	0	0	0
21-22m	0	0	0	0	0	0	1	1
22-23m	0	0	0	0	0	0	2	2
23-24m	0	0	0	0	0	0	3	3
24-25m	0	0	0	0	0	0	1	1
25-26m	0	0	0	0	0	0	0	0
26-27m	0	0	0	0	0	0	0	0
27-28m	0	0	1	0	0	0	0	1
28-29m	0	0	0	0	0	0	0	0
29-30m	0	0	0	0	0	0	0	0
30-31m	0	0	0	0	0	0	0	0
31-32m	0	1	0	0	0	1	0	2
Total	2	8	6	22	4	12	24	78

Table 4 Number of crashes - speed vs. separation width (+5m)

In the context of this research an analysis of head-on crashes in New South Wales from 2009 and 2013 was undertaken to determine the correlation between speed zones and median separation.

Table 3 above indicates the majority of head on crashes occurred in locations with zero width medians. About 90% of crashes occurred in areas without any effective median width. There is a consistent relationship between median width and the number of head on crashes across NSW. An increased median width resulted in a reduction in the number of head on crashes. Crashes where the median width was above 5 metres have been grouped together in Table 4 which shows the individual breakdown per metre of median width. The results correspond to the relationship in Table 3.

Generally, the number of head on crashes where the median width exceeds 5 metres is randomly occurring with little evidence of a reportable trend. These results account for 1.18% of the total head on crashes and are considered outlying results.

In terms of speed, Table 3 also highlights approximately half of all head-on crashes occurred in low speed environments i.e. 47.2%, and moderate and high speeds environments almost equally covering the recorded crashes with 25% and 27.8% respectively.

Further analysis was undertaken to consider the effects of competing factors to the causation of head-on crashes in New South Wales.

4.2 Crash rates

The figure below represents crash rates for each speed environment according to each separation width increment. It is noted that for all speed environments, the crash rate can be read as zero after a separation of 6m.

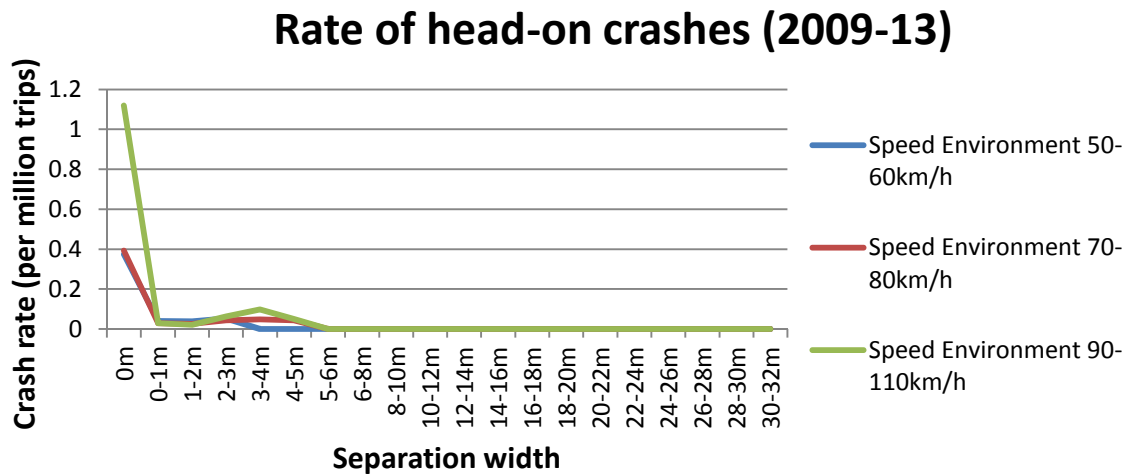


Figure 4 Head-on crash rates (Speed vs. Separation width)

Crash occurrences with a cluster of one or less were omitted from the analysis as they were perceived as random occurrences and do not contribute integral value to the research from a design practitioners perspective.

Rate of head-on crashes (2009-13)

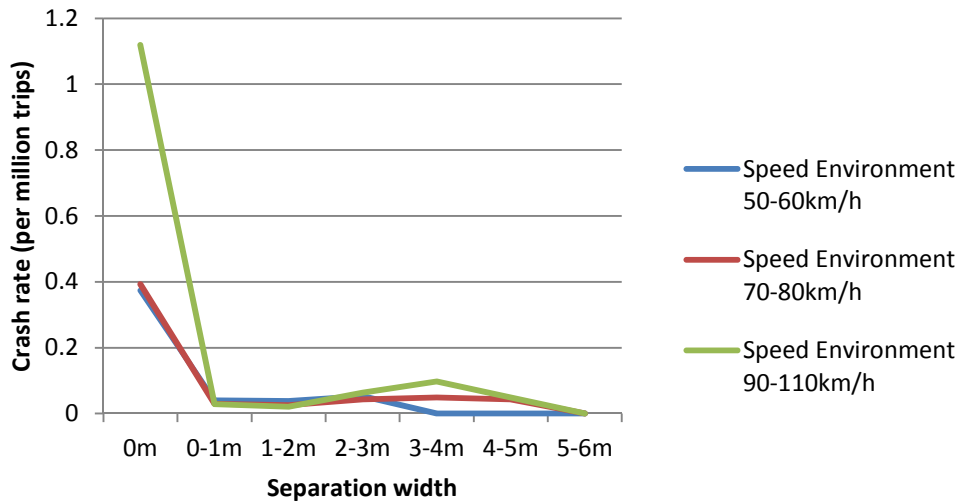


Figure 5 Head-on crash rates (Speed vs. Separation width) (0-5m only)

From the above graphs the following findings can be observed:

- The upper limit of the graph is restricted to 5m as all head-on crashes above this can be seen as random occurrences and will not return an accurate crash rate due to inadequate sample size.
- The crash rate at 0m separation is reflective of speed and increases as the speed environment increased.
- There was a 93% average crash rate reduction for all three speed environments when providing a median or separation of 0-1m.
- Any median or separation width between 1-2m wide returned the lowest crash rates with a further 5%, 10% and 30% respectively over the three speed environment categories.
- A spike in crashes rates was observed for the 2-3m range. This continues up to 4m for both moderate and high speed environments. Further discussion of this trend is provided in section 5 of this report.

4.3 Secondary findings - Other contributing factors

4.3.1 Crash Severity

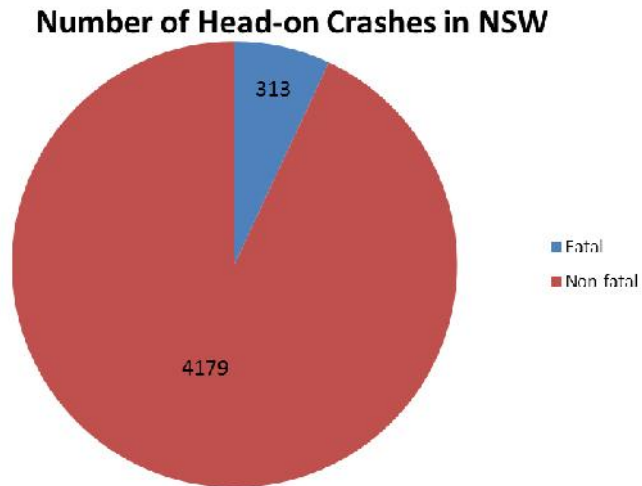


Figure 6 Number of head-on crashes by severity

Figure 6 shows that fatalities account for approximately 7% of all head-on crashes on NSW roads.

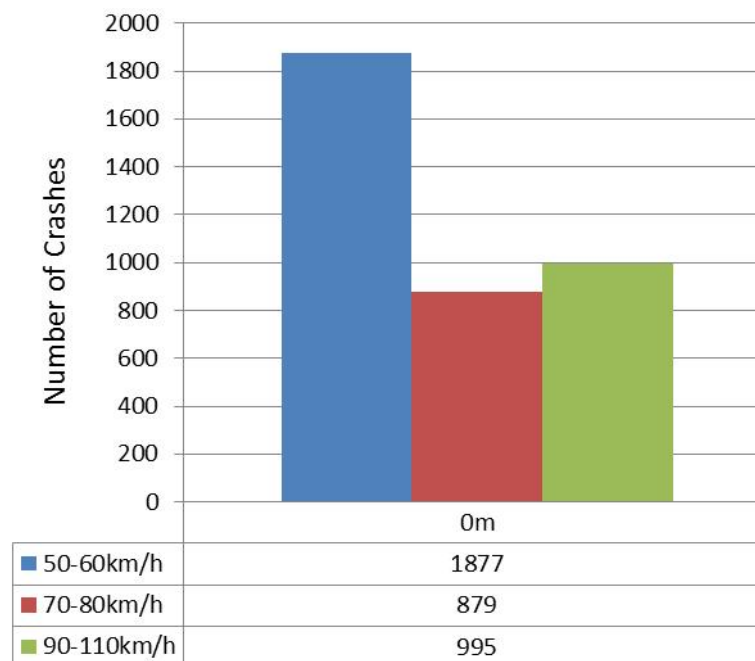


Figure 7 Number of non-fatal crashes by speed and no separation width

Non-fatal crashes account for 93% of all head-on crashes in NSW. Of these crashes, 89.8% occurred on roads with no separation between opposing traffic.

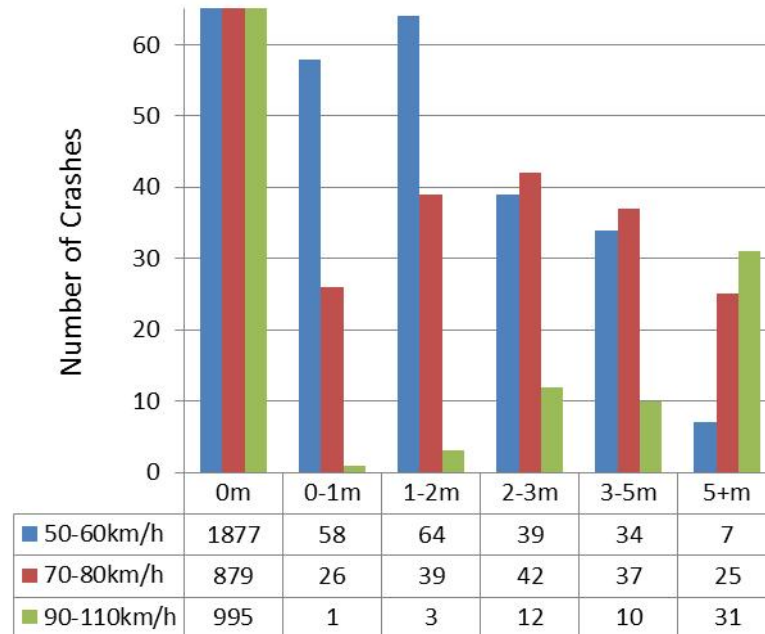


Figure 8 Number of non-fatal crashes by speed and separation width

Figure 6 and Figure 7 shows that the highest number of non-fatal crashes in NSW occurred at low speeds (50-60km/h) and with no separation i.e. 42%. Crashes with no separation reduced by about 53% as the speed environment increased from low to moderate.

At low speeds (50-60km/h), the number of crashes generally decreased (except 1-2m crashes) as the separation increased.

At moderate speeds (70-80km/h), the number of crashes increased up to a separation of 2-3m and then decreased as the separation increased thereafter.

At high speeds (90-110km/h), the number of crashes increased as the separation increased.

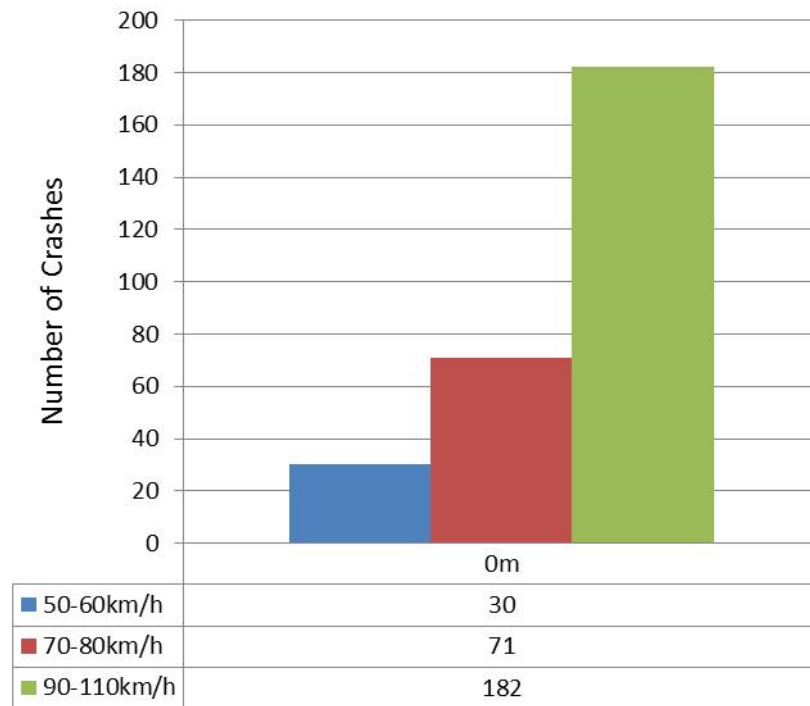


Figure 9 Number of fatal crashes by speed and no separation width

As previously mentioned, 7% of all head-on crashes in NSW resulted in a fatality. Of these fatalities approximately 90% occurred on roads with no separation between opposing moving traffic. The proportion of crashes more than doubled as the speed environment increased. High speed crashes were overrepresented with 182 crashes over the study period.

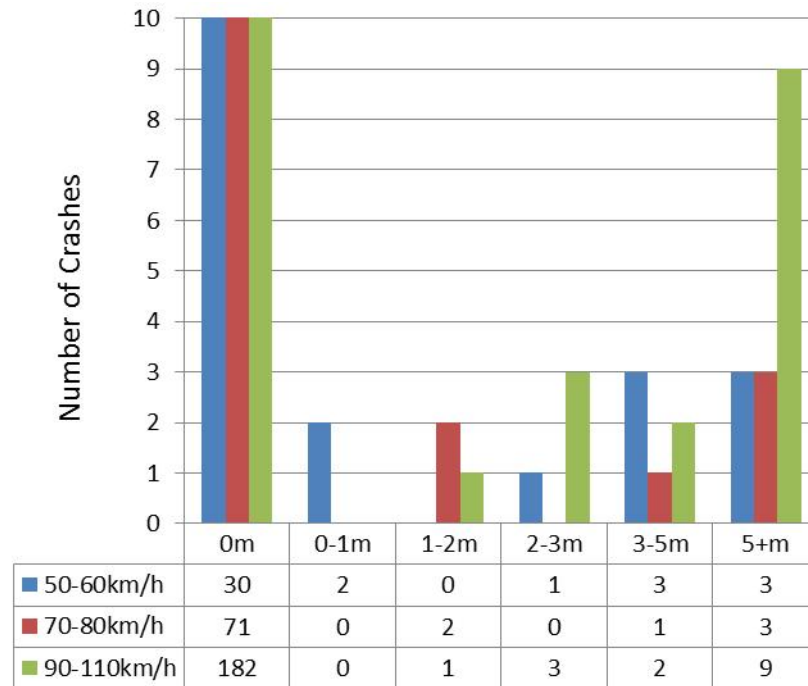


Figure 10 Number of fatal crashes by speed and separation width

Figure 9 and Figure 10 shows that the highest number of fatal crashes in NSW occurred at high speeds with no separation.

At low speeds, the number of crashes vary from 1 to 2 crashes up to 3m of separation and then increase to 3 crashes with separations over 3m.

At moderate speeds, the number of crashes vary from 0 to 2 up to 5m and then increase to 3 crashes with separations over 5m.

At high speeds, the number of crashes increase up to a separation of 3m, decrease for separations of 3-5m before significantly increasing with separations over 5m.

For head-on collisions over NSW, the proportion of crashes that were fatal increased as the speed limit increased:

- Low speeds (50-60km/h): 1 in 53.3
- Moderate speeds (70-80km/h): 1 in 13.6
- High speeds (90-110km/h): 1 in 5.4

4.3.2 Road Environment

Number of Head-on Crashes in NSW

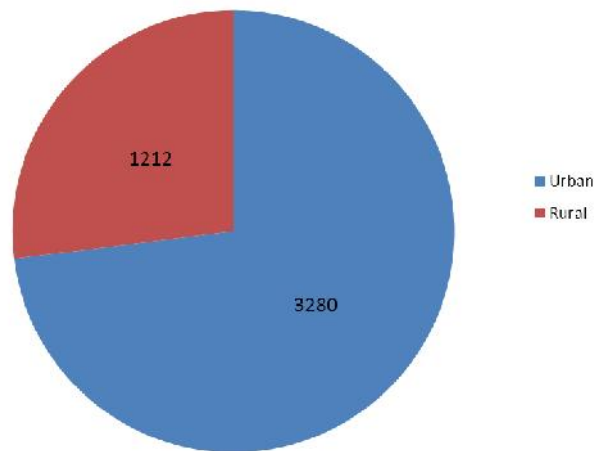


Figure 11 Number of head-on crashes by road environment

Urban crashes account for over two-thirds of all head-on crashes, with 58% of these crashes occurring at low speeds. Rural crashes account for 27% of all head-on crashes, 99.5% of which occurred in high speed environments.

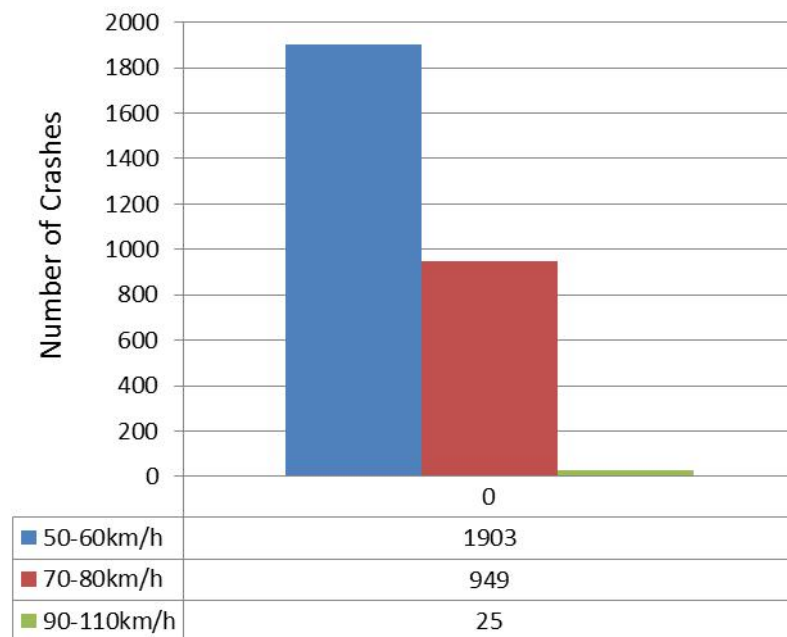


Figure 12 Number of urban environment crashes by speed and no separation width

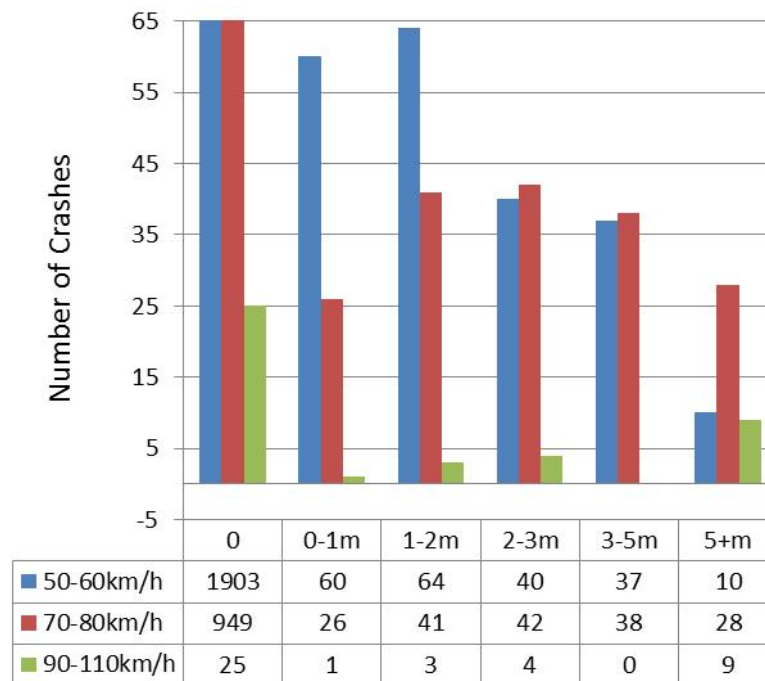


Figure 13 Number of urban environment crashes by speed and separation width

Figure 12 and Figure 13 shows that the highest number of head-on crashes in urban areas occurs at low speeds with no separation i.e. 42.3%.

At low speeds, the number of crashes increases up to 2m of separation and then gradually decreases from 2m onwards, giving a reduction in crashes from 2-3m separation onwards. Over a 50% reduction in crashes occurred as the speed environment increased from low to moderate for separation width of 0-1m.

At moderate speeds, the number of crashes increases up to 3m of separation and then decrease gradually beyond a 3m separation.

At high speeds, the number of crashes is quite low with any given width having no more than 10 crashes.

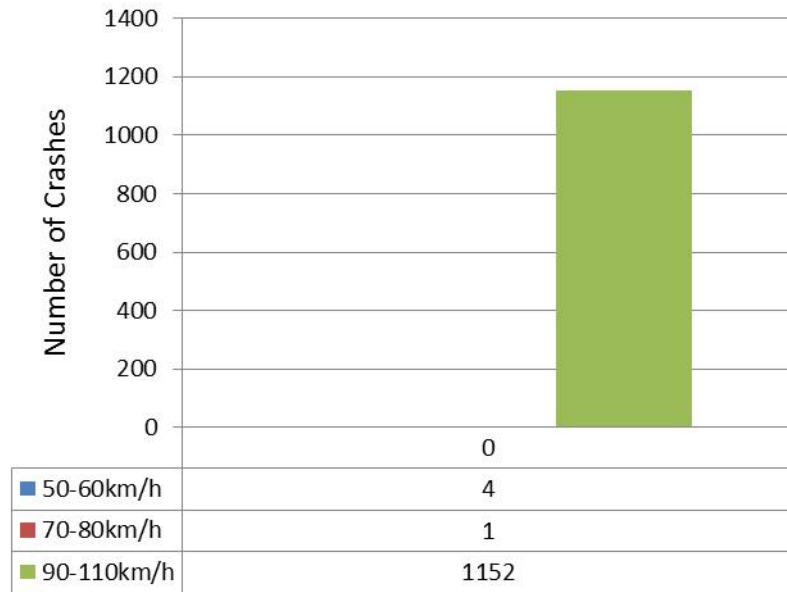


Figure 14 Number of rural environment crashes by speed and no separation width

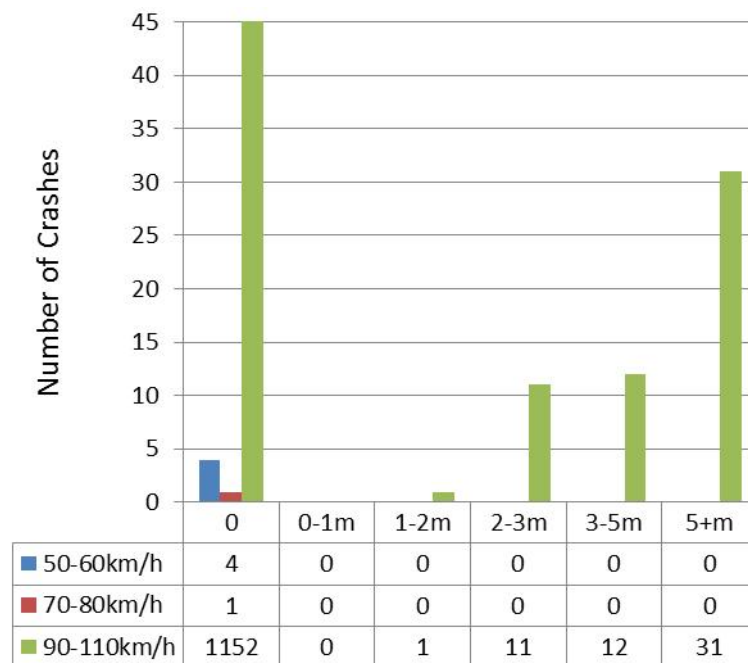


Figure 15 Number of rural environment crashes by speed and separation width

Figure 14 and Figure 15 shows the highest number of head-on crashes in rural areas occurs at high speeds with no separation i.e. 25.6%.

No crashes were recorded at low to moderate speeds in rural areas on road environments with a separation width.

At high speeds however, the number of crashes increased as the separation increased with the highest proportion occurring with a separation of 5+m i.e. 2.5%

4.3.3 Road Alignment

Number of Head-on Crashes in NSW

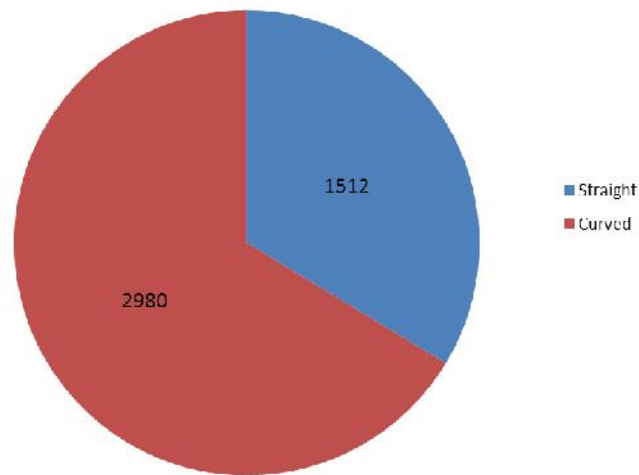


Figure 16 Number of head-on crashes by road alignment

Approximately two thirds of all head-on crashes in NSW occurred on curved sections of road, of which 92% occurred on alignments with no separation. The remaining one third was made of straight alignment crashes with 85% occurring with no separation between opposing traffic. There was a clear overrepresentation of crashes with no separation.

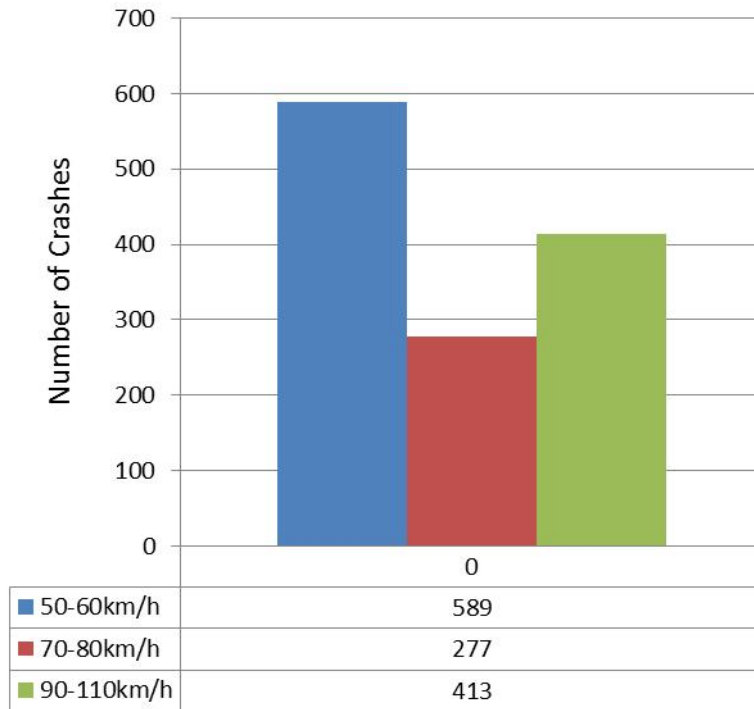


Figure 17 Number of straight alignment crashes by speed and no separation width

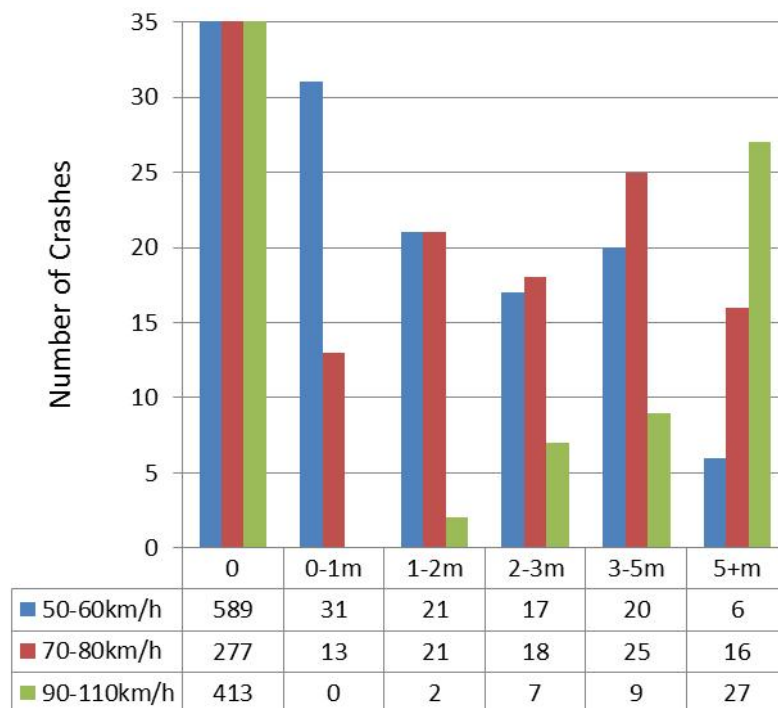


Figure 18 Number of straight alignment crashes by speed and separation width

Figure 17 and Figure 18 shows the number of head-on crashes on straight alignments in NSW. The highest proportion was 13% of all head-on crashes which occurs at low speeds with no separation.

At low speeds, there is general decrease in crashes as the separation increases. However, crashes were overrepresented in the 3-5m category. Also, there appears to be a reduction in crashes after 1m of separation i.e. 32%.

At moderate speeds, there were no obvious trends visible.

At high speeds, there were no crashes recorded at 0-1m separation however, there was a gradual increase of crashes as the separation increased.

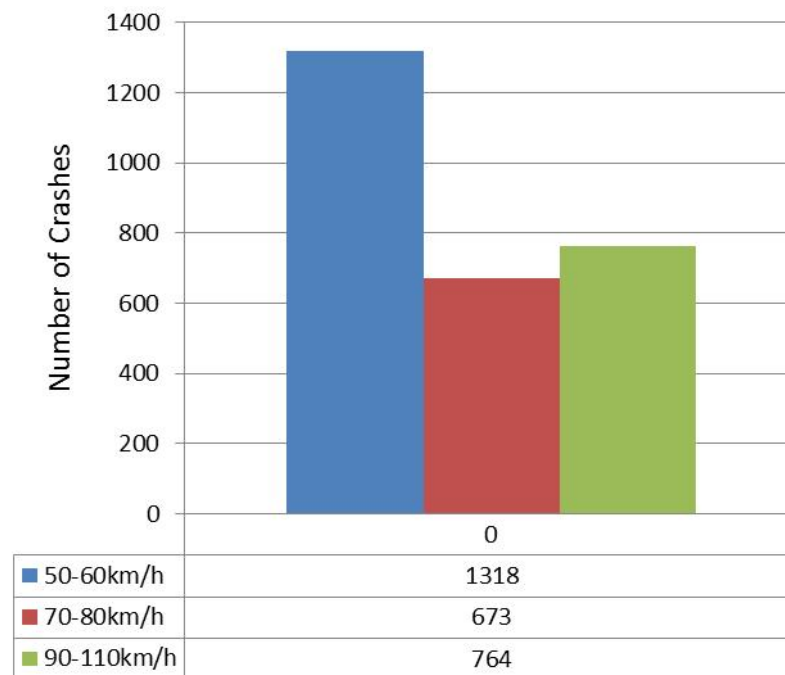


Figure 19 Number of curved alignment crashes by speed and no separation width

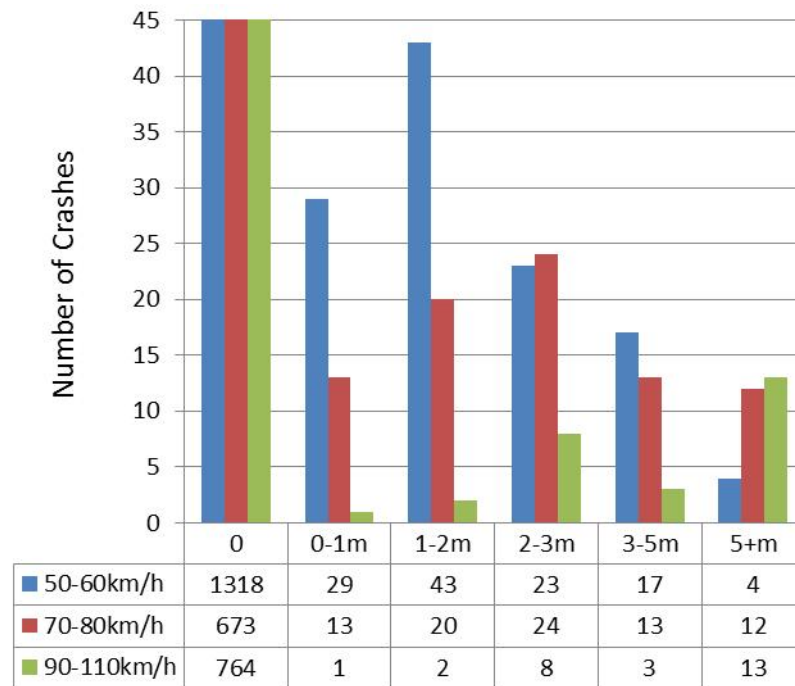


Figure 20 Number of curved alignment crashes by speed and separation width

Figure 19 and Figure 20 shows the number of head-on crashes on curved alignments in NSW. The highest proportion was 29.3% of all head-on crashes which occurred at low speeds with no separation.

At low speeds, a general decrease in crashes occurred, however crashes with a separation of 1-2m were over represented.

At moderate speeds, the number of crashes increased up to 3m of separation and then gradually decreased as the separation increased. Therefore crash reduction was not achieved until a separation of over 3m.

At high speeds, the number of crashes increased as the separation increased with exception of crashes occurring with 3-5m separation.

4.3.4 Pavement type

Number of Head-on Crashes in NSW

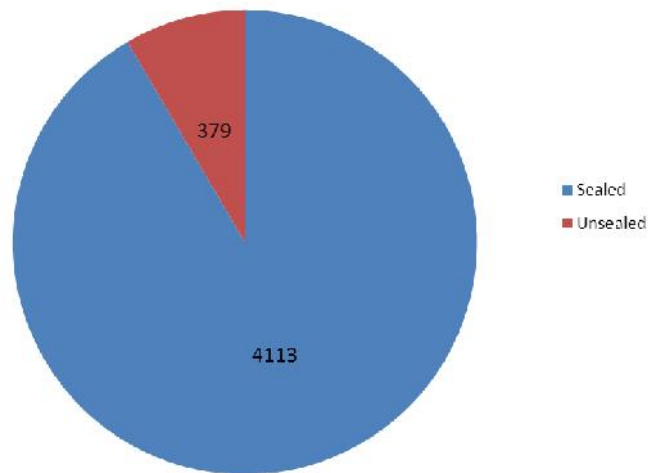


Figure 21 Number of head-on crashes by pavement type

Crashes occurring on sealed roads account for 91.5% of all head-on crashes. Of the 4113 crashes on sealed roads, 88% occurred on roads with no separation between opposing carriageways.

8.5% of all head-on crashes occurred on unsealed roads.

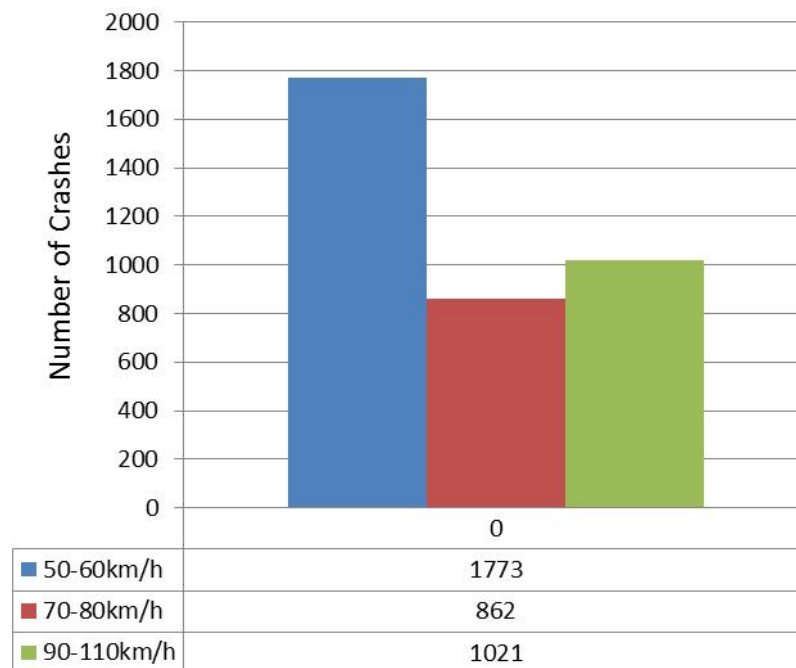


Figure 22 Number of sealed pavement crashes by speed and separation no width

Head-on crashes on sealed roads with no separation accounted for 3656 crashes, of which 48% occurred in a low speed environment. A reduction in crashes of 51% occurred as the speed environment increased.

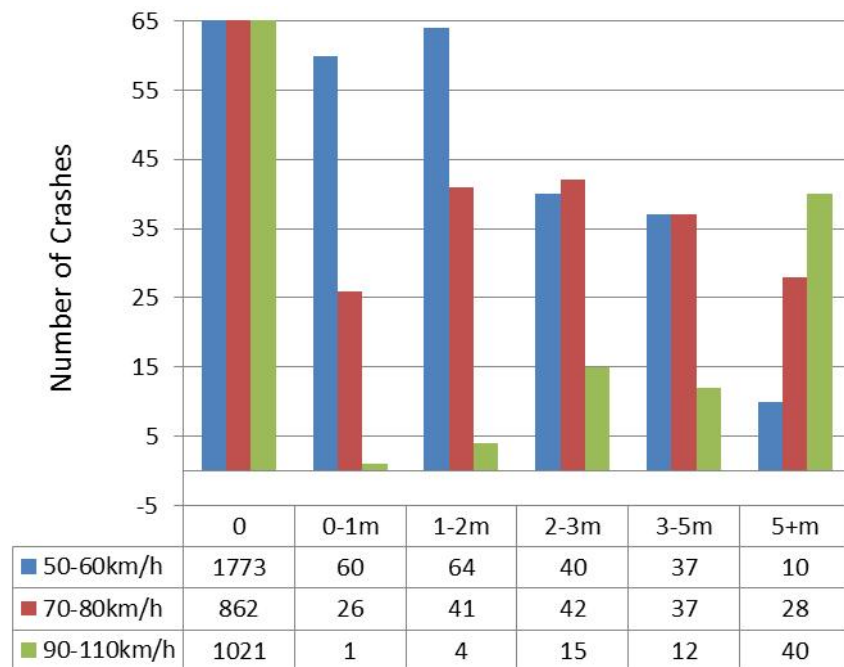


Figure 23 Number of sealed pavement crashes by speed and separation width

Figure 22 and Figure 23 shows the number of head on crashes along sealed roadways in NSW. The highest proportion of crashes was 39.5% which occurred at low speeds with no separation.

At low speeds, there was a general reduction in crashes as the separation increased. However, crashes in the 1-2m category were overrepresented. Note the sudden decrease in crashes with a separation over 5m.

At moderate speeds, the number of crashes increased up to a separation of 3m. A reduction in crashes was achieved after 3m of separation was applied.

At high speeds, the number generally increased as the separation increased with an overrepresented number of crashes in the 3-5m category.

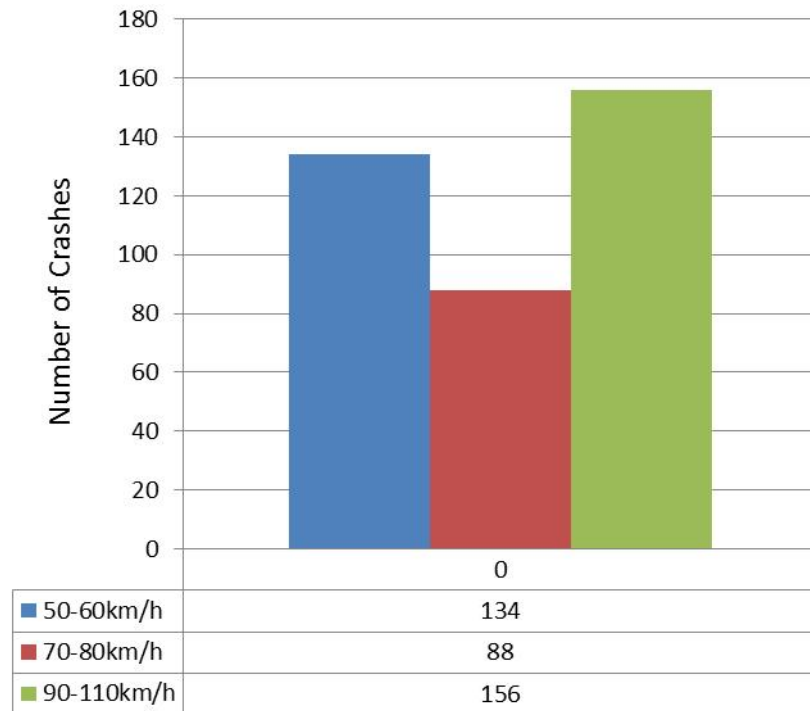


Figure 24 Number of unsealed pavement crashes by speed and no separation width

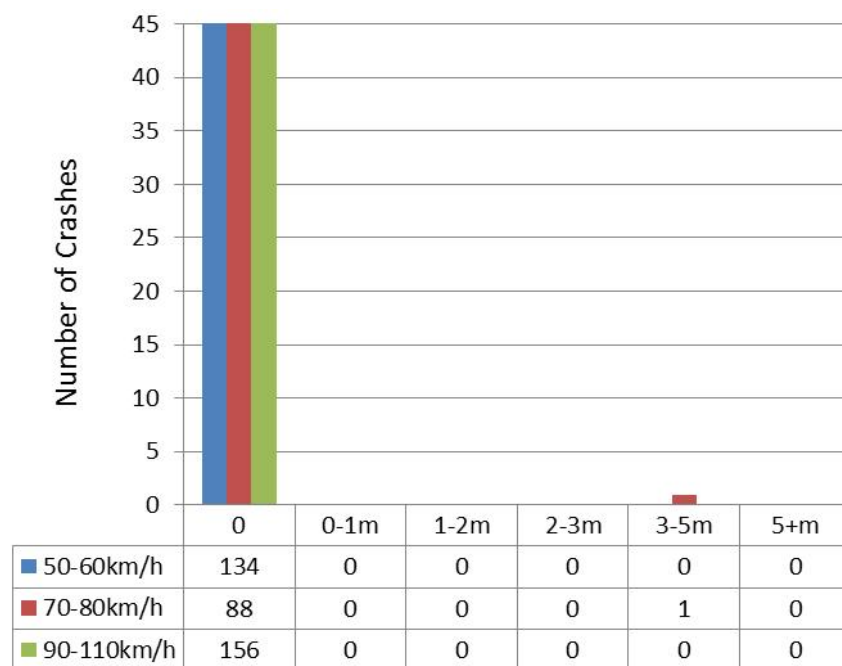


Figure 25 Number of unsealed pavement crashes by speed and separation width

Figure 24 and Figure 25 shows the number of head on crashes along unsealed roadways in NSW. The highest proportion of crashes was 3.47% which occurred at high speeds with no separation.

No other crashes were recorded at separation widths greater than zero except one in the 3-5m category. This may be due to minimal lengths of road network which are median separated and unsealed in NSW.

4.3.5 Weather conditions

Number of Head-on Crashes in NSW

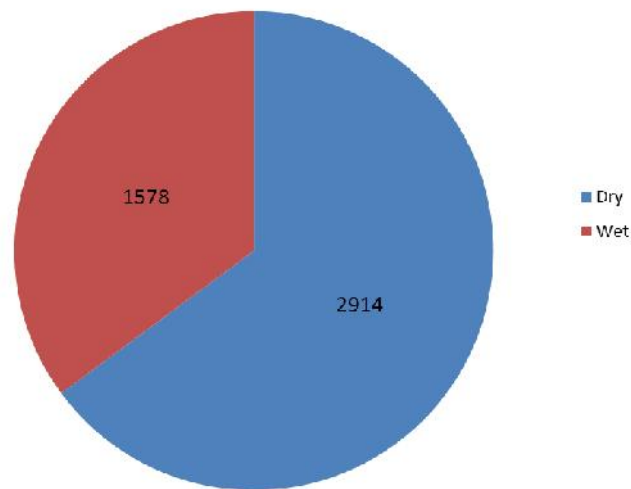


Figure 26 Number of head-on crashes by weather conditions

Dry weather crashes accounted for approximately two thirds of all head-on crashes. Of the 2914 crashes occurring in dry weather, 90% occurred on roads with no separation between opposing carriageways. In wet weather conditions 88% of crashes occurred on roads with no separation.

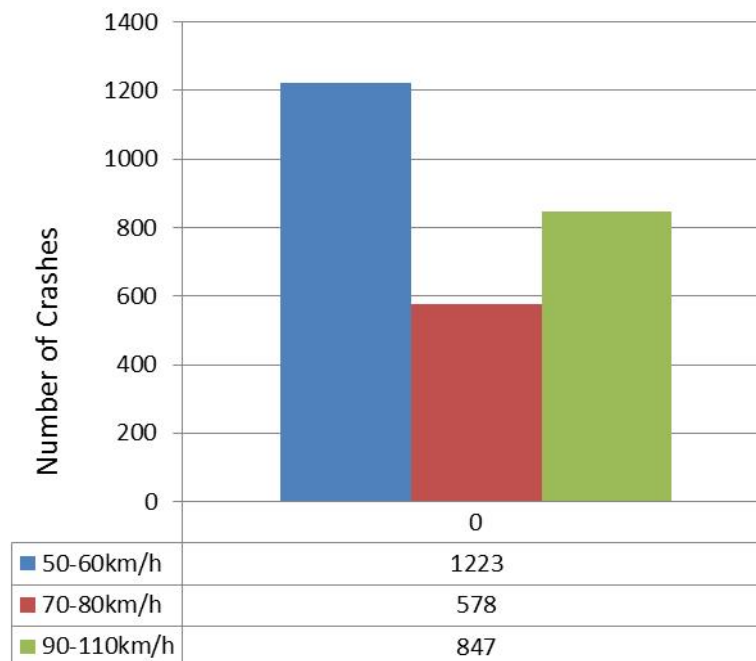


Figure 27 Number of dry weather crashes by speed and no separation width

Of the 2648 crashes that occurred in dry conditions with no separation, 46% occurred in a low speed environment. There was a 52% reduction in crashes as the speed increased from low to moderate.

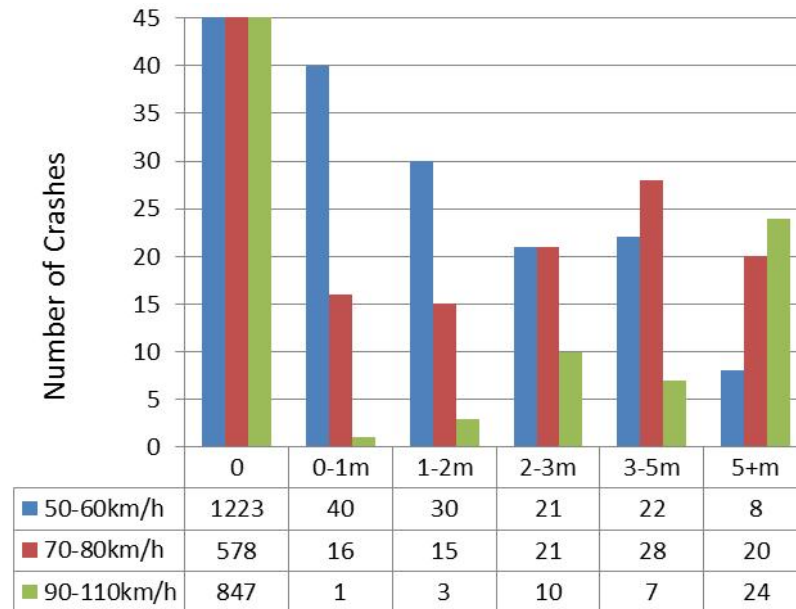


Figure 28 Number of dry weather crashes by speed and separation width

Figure 27 and Figure 28 shows the number of head-on crashes during dry weather conditions in NSW. The highest proportion of crashes was 27.2% which occurred at low speeds with no separation.

At low speeds, the number of crashes generally decreased as the separation increased. However, crashes in the 3-5m category were overrepresented.

At moderate speeds, the number of crashes generally increased as the separation increased up to a separation of 5m. There was a decrease in crashes for separations over 5m.

At high speeds, the number of crashes generally increased as the separation increased, with the exception of crashes occurring in roadways with 3-5m separation.

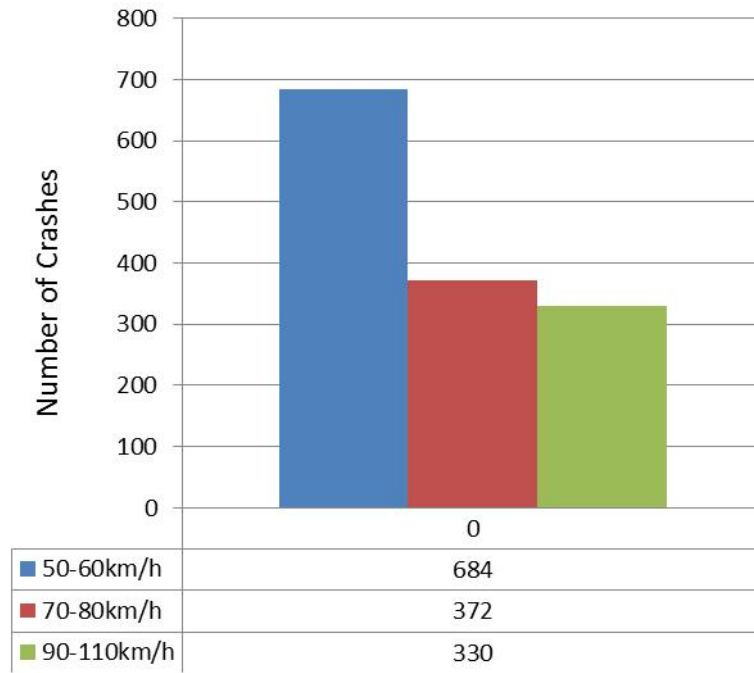


Figure 29 Number of wet weather crashes by speed and no separation width

No separation wet weather crashes accounted for 1386 crashes, of which approximately half occurred in low speed environments. A reduction in crashes of 45% occurred as the speed environment increased.

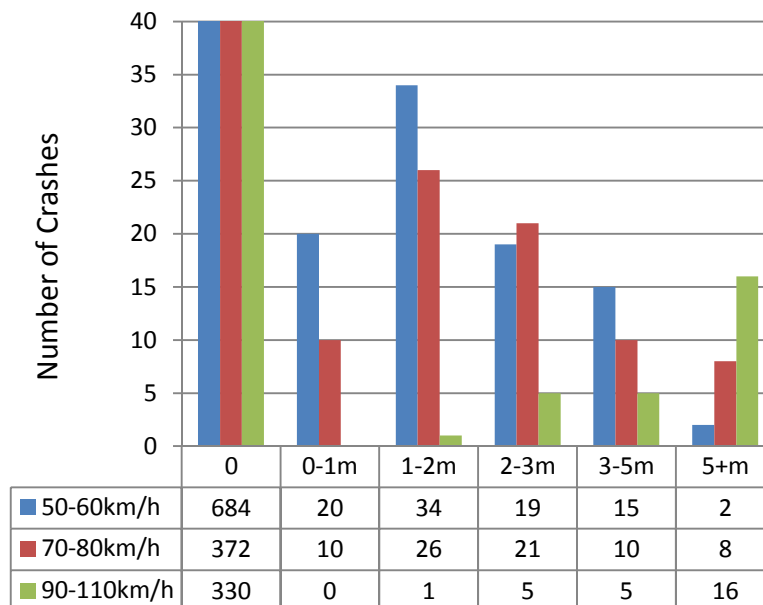


Figure 30 Number of wet weather crashes by speed and separation width

Figure 29 and Figure 30 shows the number of head-on crashes during wet weather conditions in NSW. Note it is considerably lower during wet weather periods. However, the data collated has not considered the number of wet weather days compared to dry weather days to determine a weighted occurrence rate.

This minor proportion of head-on crashes in wet weather adds value to the significance of other contributing factors. The highest proportion of crashes was 15.2% which occurred at low speeds with no separation. Note the decrease in crashes as the speeds increased for crashes with no separation.

At low and moderate speeds, the number of crashes increased as the separation increased up to 2m, and then gradually decreased as the separation increased.

At high speeds, the number of crashes generally increased as the separation increased.

4.3.6 Lighting conditions

Number of Head-on Crashes in NSW

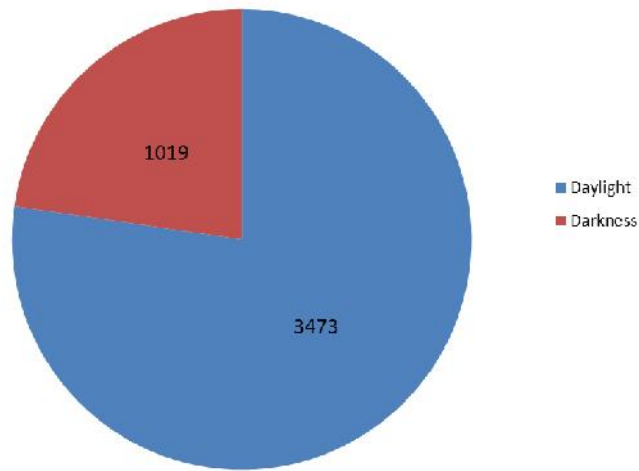


Figure 31 Number of head-on crashes by lighting conditions

Crashes during daylight accounted for 77% of all head-on crashes in NSW. Of the 3473 crashes, which occurred during daylight, 91% occurred on roads with no separation between opposing carriageways. Of these crashes, 45% occurred in low speed environments. There was about half the amount of crashes recorded as the speed environment increased to moderate speeds.

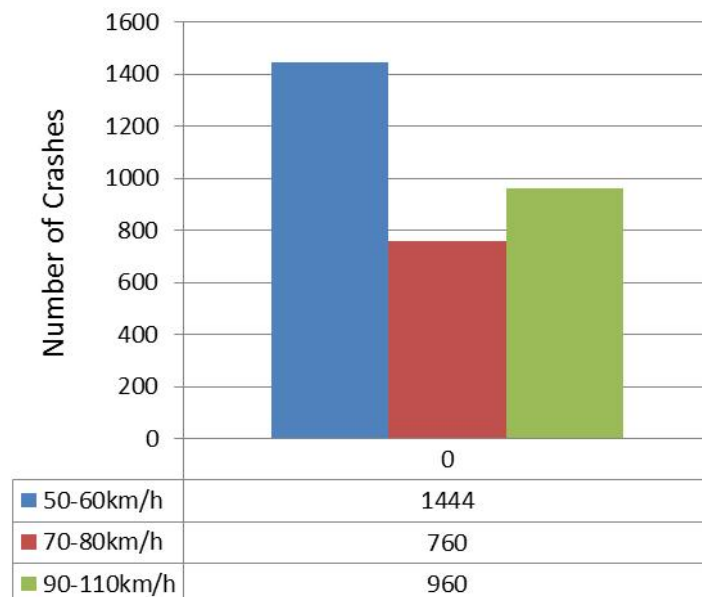


Figure 32 Number of daylight crashes by speed and no separation width

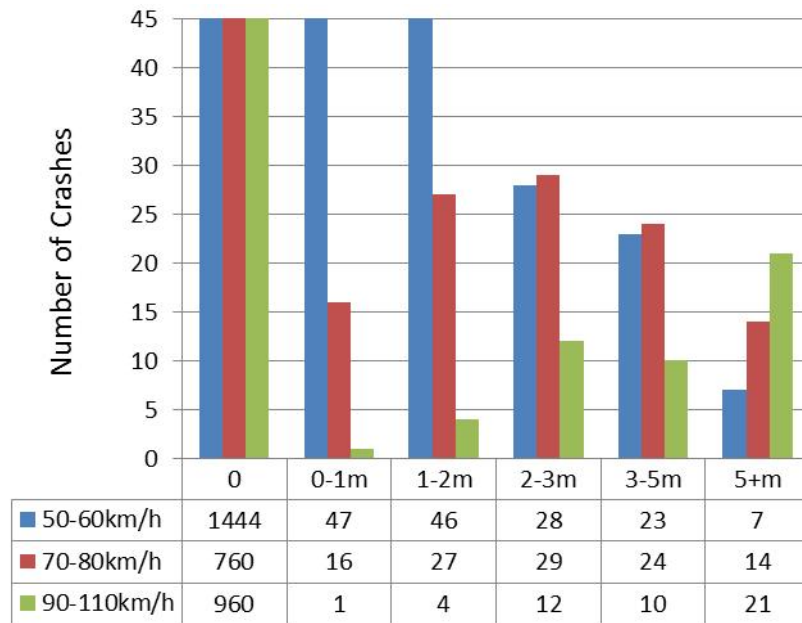


Figure 33 Number of daylight crashes by speed and separation width

Figure 32 and Figure 33 shows the number of head-on crashes during daylight in NSW. The highest proportion of crashes was 32% which occurred at low speeds with no separation.

At low speeds, the number of crashes remained constant up to 2m and then generally decreased as the separation increased.

At moderate speeds, the number of crashes increased up to a separation of 3m and the decreased there after.

At high speeds, the number of crashes generally increased as the separation increased with the exception of crashes in the 3-5 separation range.

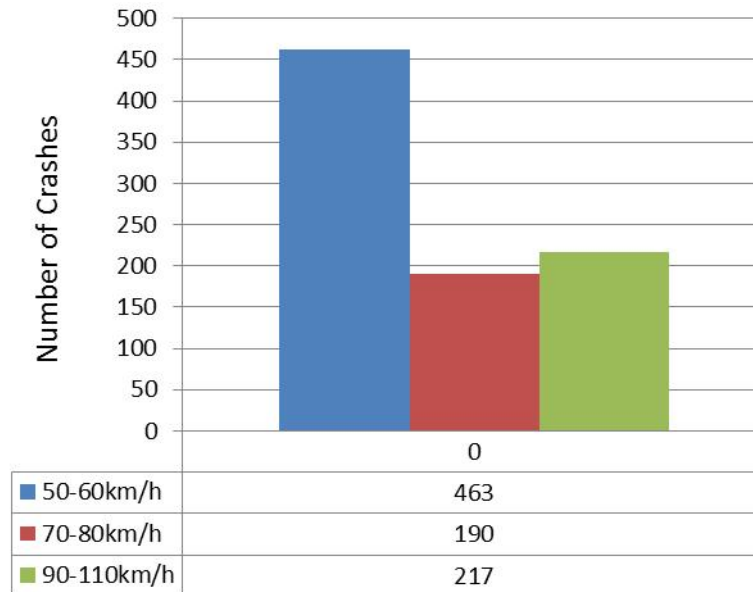


Figure 34 Number of darkness crashes by speed and no separation width

Crashes occurring during darkness accounted for 23% of all head-on crashes. Of these crashes, 45% occurred on roads with no separation between opposing carriageways.

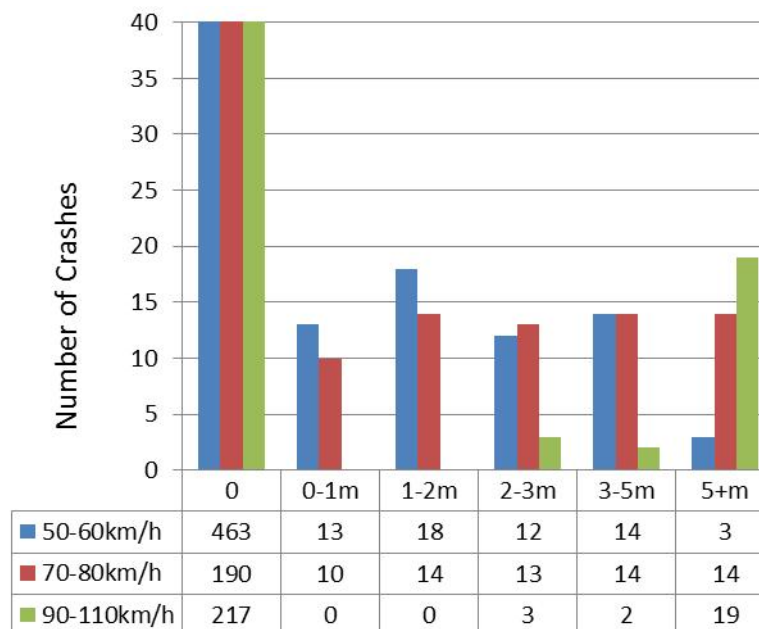


Figure 35 Number of darkness crashes by speed and separation width

Figure 34 and Figure 35 shows the number of head-on crashes during darkness in NSW. The highest proportion of crashes was 10.3% which

occurred at low speeds with no separation. At moderate and high speeds, crashes decreased significantly with 4.2% and 4.8% respectively.

At low speeds, the number of crashes was consistent through most separation widths ranging from 18 to 12 crashes. However, the proportion of crashes dropped by 83.3% with separations over 5m.

At moderate speeds, again the number of crashes was consistent through all separation widths ranging from 10 to 14 crashes.

At high speeds, there were no recorded crashes for separation up to 2m. Crashes remained constant up to 5m before increasing 9.5 times with separations over 5m. However, this may be random occurrences as shown in Table 4.

4.3.7 Vehicle type

Number of Head-on Crashes in NSW

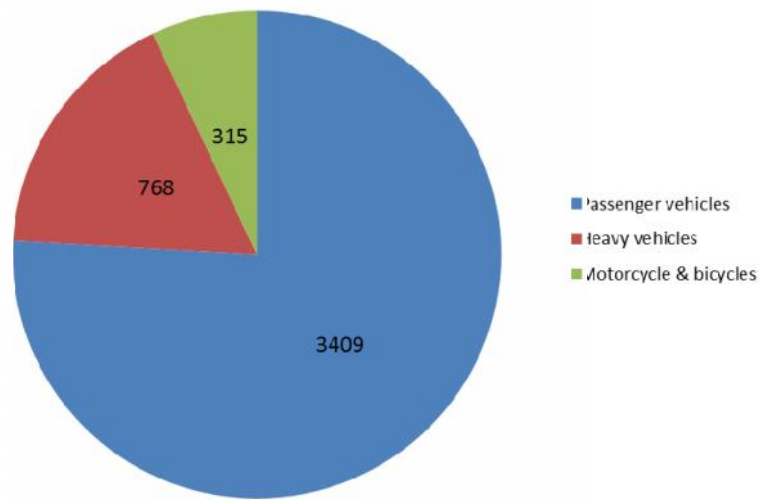


Figure 36 Number of head-on crashes by vehicle type

Passenger vehicle crashes represent 75.8% of all head-on crashes. Passenger vehicles account for the large majority of vehicles at fault, which consistent with the road register fleet being 76% passenger vehicles. (Bureau of Statistics, 2010)

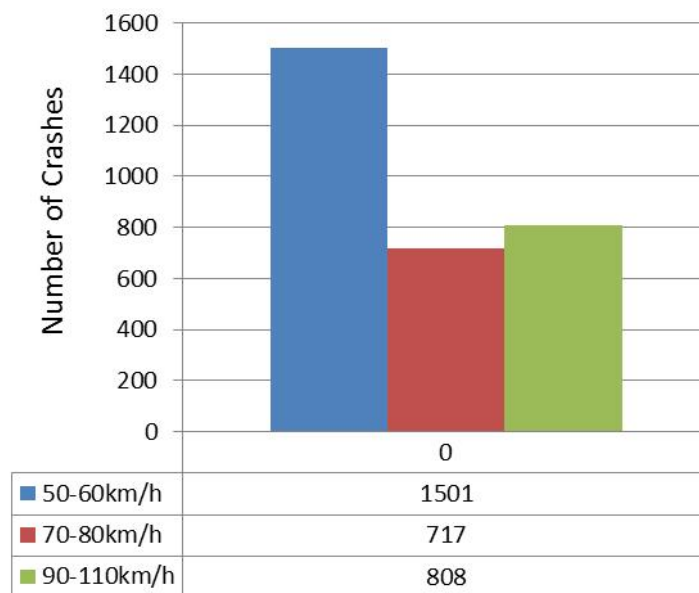


Figure 37 Number of passenger vehicle crashes by speed and no separation width

Of the 3409 passenger car crashes, approximately two thirds occurred on roads with no separation between opposing carriageways. Of these crashes, one third occurred in a low speed environment. There was a reduction of about half the crashes as the speed environment increased from low to moderate.

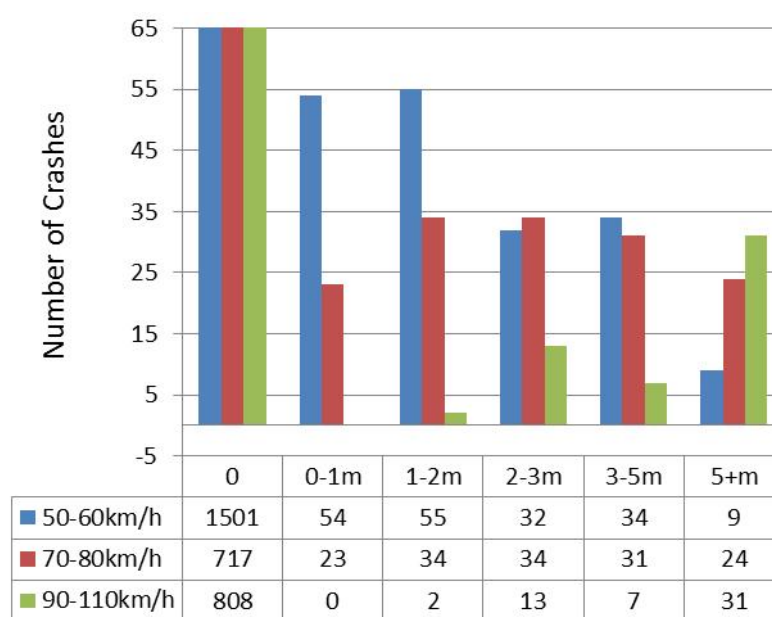


Figure 38 Number of passenger vehicle crashes by speed and separation width

Figure 37 and Figure 38 shows the number of head-on crashes of passenger vehicles in NSW. The highest proportion of crashes was 33% which occurred at low speeds with no separation. The proportion of crashes decreased considerably by 46% for moderate and high speeds.

At low speeds, the number of crashes was consistent up to 2m before dropping by 42% for separations between 2-5m.

At moderate speeds, the number of crashes increased up to 3m separation and then decreased as the separation increased.

At high speeds, the number of crashes generally increased as the separation increased. There was a drop in crashes for the 3-5m category.

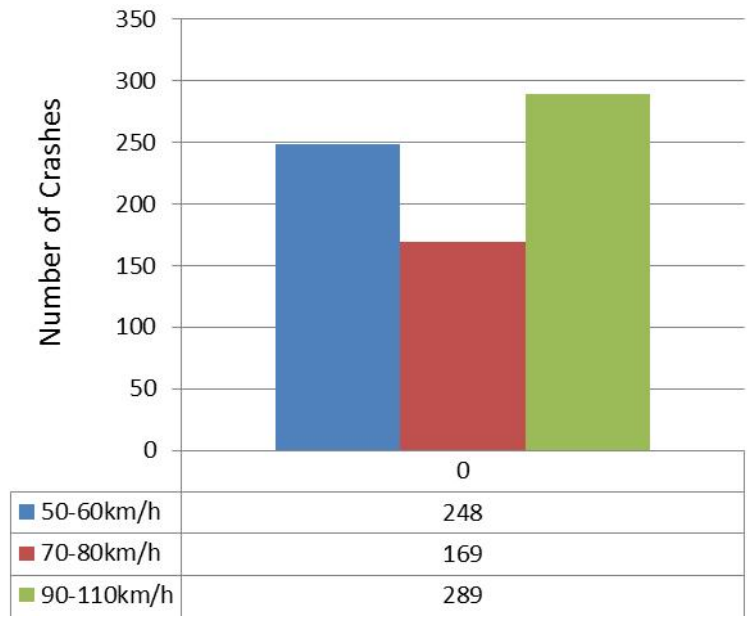


Figure 39 Number of heavy vehicle crashes by speed and separation width

Heavy vehicle crashes accounted for 17% of all head-on crashes, and were overrepresented with 92% occurring on roads with no separation.

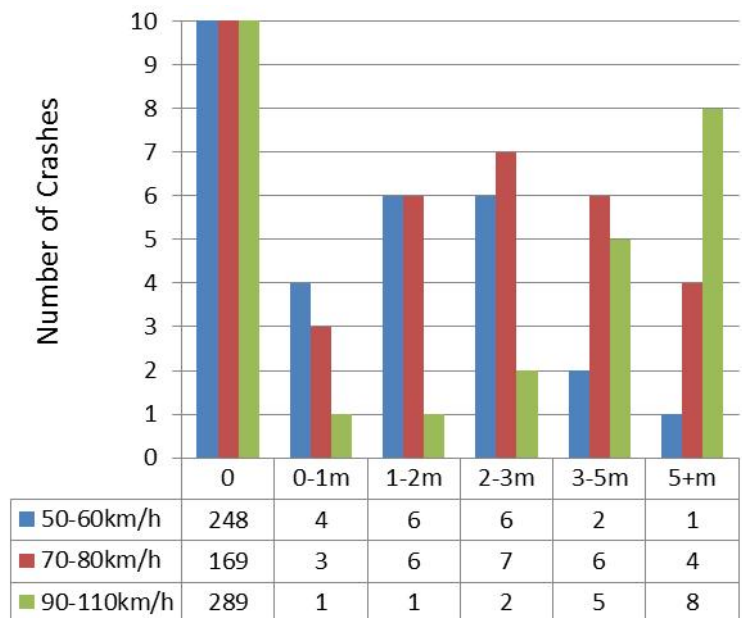


Figure 40 Number of heavy vehicle crashes by speed and separation width

Figure 39 and Figure 40 shows the number of head-on crashes of heavy vehicles in NSW. Heavy vehicle crashes represent 17% of all head-on crashes.

At low and moderate speeds, the number of crashes increased up to a separation of 3m, and then decreased as the separation increased.

At high speeds, the number of crashes generally increased as the separation increased.

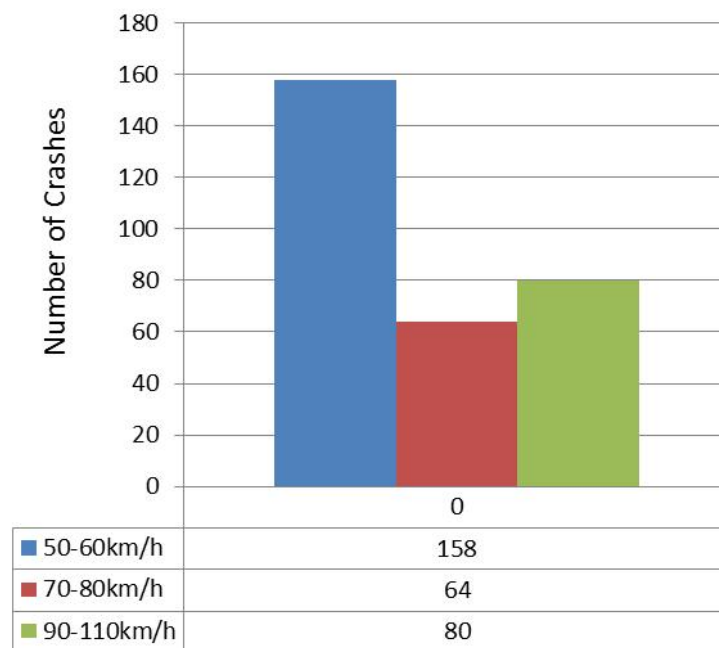


Figure 41 Number of motorcycle/bicycle crashes by speed and no separation width

Motorcycle and bicycle crashes accounted for 7% of all head-on crashes, and is overrepresented with 96% occurring on roads with no separation between carriageways.

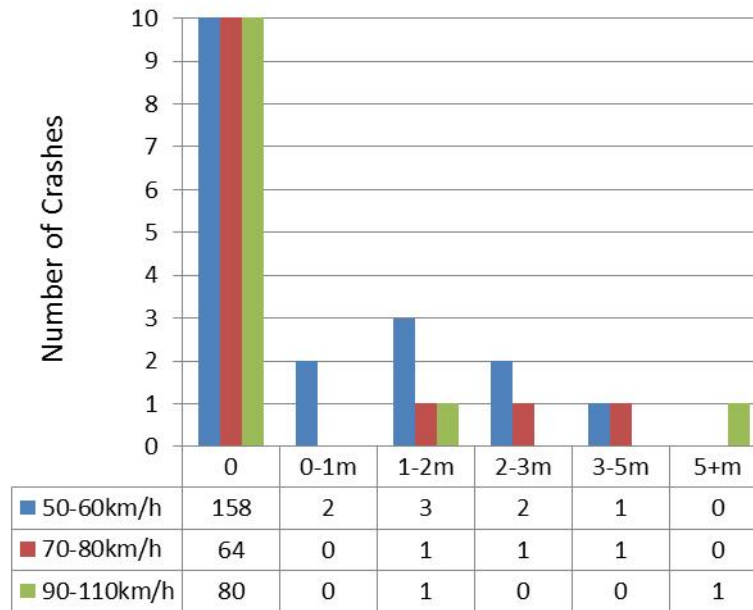


Figure 42 Number of heavy vehicle crashes by speed and separation width

Figure 41 and Figure 42 shows the number of head-on crashes of motorcycle and bicycle crashes in NSW. Motorcycle and bicycle crashes represent 7% of all head-on crashes. The highest proportion of crashes was 3.5% which occurred at low speeds with no separation.

At low speeds there is an increase in crashes up to 2m of separation before decreasing as the separation increases.

At moderate and high speeds, there were no obvious trends as there was only one crash recorded over most separations.

Key findings related to head-on crashes from the above crash data for the study period (2009-2013) include:

- The number of total head-on crashes decreased with increasing separation between opposing carriageways.
- The number of total head-on crashes decreased as the posted speed environment increased.
- Crash severity increases with increasing travel speeds regardless of separation width.
- 73% of all head-on crashes occurred in urban areas of NSW. Of these, 58% occurred in low speed environments with no separation.
- 66% of all head-on crashes occurred on curved alignments. Of these, 44.2% occurred in low speed environments with no separation.
- 91.5% of all head on crashes occurred on sealed roads. Of these, 43.1% occurred in low environments with no separation.
- 64.9% of all head-on crashes occurred in dry conditions. Of these, 42% occurred in low speed environments with no separation.
- 77.3% of all head-on crashes occurred during daylight. Of these, 41.6% occurred in low speed environments with no separation.
- 75.9% of all head-on crashes involved passenger type vehicles as the motor vehicle controller. Of these, 44% occurred in low speed environments with no separation.

5 Discussion

The NSW road network is approximately 185,000 km in length. Roads and Maritime Services manage approximately 18,000km of the major arterial road network and 2970km of road in far western NSW where there is no council jurisdiction. Council manages approximately another 18,250 km of state significant regional roads. Local roads make up the remaining 146,000 km of the road network (NRMA, 2015).

Design standards are continually being revised and modernised to provide safer, longer lasting and more efficient road environments than ever before.

5.1 Speed vs. separation width

5.1.1 Median separation

A roadway complementing a median or similar was first conceived as a safety measure and would reduce the likelihood of head-on type crashes. Median on roadways can be raised, depressed, traversable, non-traversable, earth, concrete, with or without barriers or landscaped. Medians or the separation between carriageways can vary from no separation i.e. barrier line, up to 32m in width in areas of recorded head-on crashes.

Any crash is a complex interaction between the roadway, the driver and the vehicle. The contribution of any additional factors will vary with the conditions. Road geometry cannot account for all crashes; this dissertation only evaluates the influence and importance of two features, speed and separation width in head-on crashes. Other contributing factors will also be discussed.

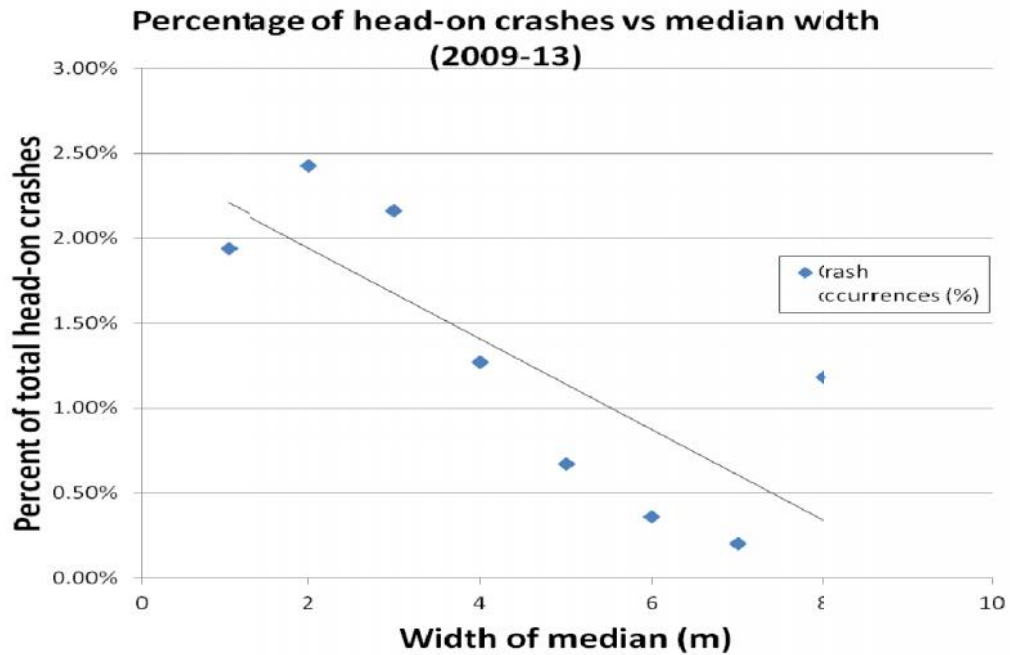


Figure 43 Total percent of all head-on crashes per width category

Figure 43 shows the percentage of head-on crashes per separation width category. This shows a general decrease in crashes with increasing separation between opposing carriageways. There is a significant decrease in the total number of crashes as the separation width increases making wider medians appear adequate for recovery and reducing the potential for a head-on crash.

5.1.2 Speed

Speed is involved in all crashes. Speed can be described in two different ways, excess speed which is a travel speed over the posted speed limit. Inappropriate speed is a travel speed that is faster than the prevailing conditions allow. In inclement conditions the operating speed may be lower than that in dry conditions. Both these types of speeding are major contributing factors to head-on type crashes. In fact, speed has been found to be a contributing factor in around 10% of all crashes and 30% of fatal crashes (ERSO, 2007).

Excessive and inappropriate speed both increases the risk of a crash and also the severity of a crash, therefore a relationship between speed and crash risk

was developed where drivers travelling faster than the average driver had a higher crash rate. This can be supported with findings from Section 4.3 which shows that 63% of fatal crashes occurred in high speed environments. Higher operating speeds tend to attract higher severity outcomes due to the forces at work when vehicles collide head-on.

Excessive speed reduces the reaction time of a driver and ultimately increases the stopping/braking distance. Stopping distance is proportionate to the speed therefore preventing the likelihood of a crash decreases as speed increases.

As speed increases, the crash rate increases. Road safety effects of speed changes are directly related to the change in kinetic energy that is released in the crash (ERSO, 2007). From the principles of kinetic energy which has been validated by empirical data, Nilsson has developed the following formula to describe the effects of a speed change on the number of crash rates:

$$A_2 = A_1 \left(\frac{v_2}{v_1}\right)^2$$

Nilsson also developed modified formulas to calculate the number of injury (i) and fatal (f) crashes by increasing the power of the function:

$$I_2 = I_1 \left(\frac{v_2}{v_1}\right)^3 \quad F_2 = F_1 \left(\frac{v_2}{v_1}\right)^4$$

These formulas provide relative change in the number of crashes, 1% change in speed leads to a 3% change in injury crashes and 4% in fatal crashes.

Current and past research in Australia and overseas provides consistent evidence that increased travel speeds are directly related to both the likelihood of crash occurrences and their severity (RTA, 2011).

Travel speeds and death tolls generally decrease when posted speed limits are decreased, and higher fatalities rates and travel speeds tend to increase with speed limits. Lowering speed limits can be beneficial when the severity and the number of crashes are reduced. If mean speeds are reduced by 10%, fatalities can be reduced by approximately 38% (Elvik, 2005).

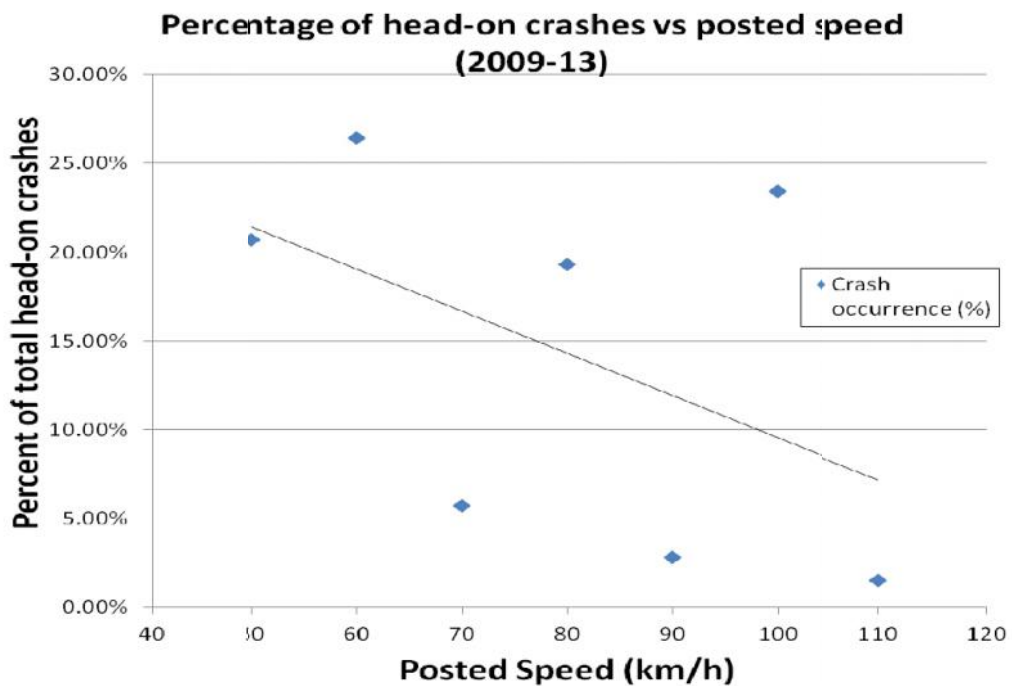


Figure 44 Total percent of all head-on crashes per speed category

Figure 44 shows the percentage of head-on crashes per posted speed limit category. There is a general decrease in crashes with an increasing speed environment. Statistically high casualty rates along a section of road are good indicators of safety deficiencies.

5.2 Crash rates

Head-on crashes in urban and rural road environments are recognized as a major road safety problem throughout Australia and overseas. The data analysis identifies typical crash clusters at various separation widths across NSW. Previous research has considered crash rates however the breakdown according to separation width and speed environment which is better suited to design practitioners is somewhat lacking forming the basis of this research.

The crash data analysis from Figure 43 and Figure 44 was able to provide a breakdown of the key aspects of crash risk through analysis of speed and separation width independently that were over or under represented in the crash database. The large number of crashes available for analysis allowed the results to be statistically robust. However, many factors may skew the incidence of crashes as kilometers of each speed zoning or length of median runs for the section of road were not considered in the analysis. This information was not feasible to obtain.

Therefore providing crash rate information shown in Figure 4 and Figure 5 gives an opportunity to analyse data and present safety performance indicators which would be useful to road safety program managers, road designers and traffic engineers. The following will discuss findings from crash rates of practical indicators of speed and separation width.

Crashes above the 5-6m range were seen as random occurrences as they were not linked to a group or cluster of crashes along that section of road. These crashes were omitted from the analysis as they would not return an accurate crash rate. It can be said that these crash occurrences do not contribute value to research or design however, singular crash clusters also suggest there is no adverse effect at those separations widths but rather beneficial as it maximises the separation between opposing carriageways. Although there were no trends identified, past research suggests that wider medians have a positive effect on the roadway and reduce the incidence of head-on crashes. The Transportation Research Board observed that roadways with wider medians will exhibit lower head-on crash rates than roads with narrow type medians.

Low speed environments returned single crash clusters from 4m separations onwards. This can be seen as a positive effect for low speed roads as they do not warrant such wide medians for such operating speeds. However, the changing crash rate from a 3m to 4m median is alarming and is discussed further below. The severe change in crash rate can be attributed to the road characteristics of a lower speed environment. Constrained environments in urban NSW may not have the cross sectional area to provide a 3m or greater

separation, but where this treatment is present, drivers are given sufficient separation to react to a potential collision and re-direct or regain control of their vehicle.

As outlined in Section 4, there was an unexpected increase in crash rates across all speed environments. The spike was relative to the speed environment with an increase of 38% for low speeds, 64% for moderate speeds and 210% for high speeds when increasing the separation from 1-2m to 2-3m. The upwards trend continued to 3-4m separation for both moderate and high speed environments with an increase of 14% and 54% respectively.

Limited research is presented to evaluate this finding however median width and lane widths can have similar effects on driver behavior. The Transportation Research Board suggests that wider lanes are associated with higher operating speeds and free-flow speeds. Wider separations or medians provide additional space for the driver to correct a potential mistake in driving and to avoid a potential crash. A driver could be expected to adapt themselves to the additional separation between the opposing carriageways and therefore the positive safety effects from a slightly wider separation may be offset by a higher operating speed.

Medians can be used for many functions such as for emergency stops and pulling over, recovery for errant vehicles, and even pavement edge support. Wider medians provide an area to stop therefore becoming a hazard while promoting higher operating speeds which may give the driver a false indication that there is a wider area to correct the vehicle from leaving the carriageway.

Possible countermeasures as highlighted in the literature review are improved delineation with varying lane line widths researched by McKnight et al (1998), or optical speed bars to mitigate the possible higher operating speeds by giving the driver a false perception of travel speed by the spacing of the delineation. Studies have shown up to a 5km/h reduction in travel speeds.

The use of a median barrier can help eliminate the rise in crash rates for separations of 2-3m across all speed environments. However, providing a

barrier will result in an increase of median related or nuisance crashes with the barrier if a non-rigid barrier is installed. Although nuisance or injury crashes may increase, we should see a decrease in fatal crashes which has a high association with head-on crashes.

Unsafe overtaking manoeuvres can be attributed to the crash rate spike. A width of 2-3m is sufficient to accommodate one vehicle passing another. However to maintain a clearance to the adjacent vehicle, encroachment into the opposing carriageway may be needed resulting in a collision with an oncoming vehicle. This is provided that the median treatment is painted and not raised, as it is highly unlikely that an overtaking manoeuvre will be undertaken on a raised median. These manoeuvres may also be undertaken on sections of road where there is insufficient horizontal and/or vertical sight distance. However, more in depth analysis on specific sites will need to be undertaken to determine certain road features that may lead drivers to undertake this erratic manoeuvre.

One measure which can be implemented is the 2+1 road design which incorporates two lanes in one direction for approximately 1.5 kilometres, depending on the alignment of the road and one lane in the opposite direction which is usually separated by a wire rope safety barrier. This treatment is sometimes preferred over a divided carriageway due to the cost implications.

Further research, data analysis and site investigations will be need to account for all contributing factors causing a spike for this separation width.

Slopes within a median can also have an adverse effect on head-on incidence rates. Research suggests adverse effect of steep 4:1 and 3:1 slopes on wider median or depressed medians have clearly indicated high median crash rates. Medians with steep slopes do not provide reasonable recovery areas and can even become hazards themselves. However, analysis of median slopes was outside the scope of this study and was not feasible to obtain without any detailed survey.

From Figure 5 we can see significantly high crash rates for road environments with no separation provided between opposing carriageways.

Low and moderate speeds returned similar crash rates. This can be attributed to similar road features in urban and rural areas between the two environments. Urban areas have similar traffic calming devices such as signalised intersections and roadside furniture. Higher speed environments saw almost 3 times the crash rate than the other lower speed environments. Higher speeds with no separation can be mostly found in rural road environments where driver fatigue and excess speed are contributing factors.

When providing a separation of up to 1m, we can see an average 93% reduction in crash rates across all speed environments. This result is consistent with multiple articles, for example Austroads (2009a) identified the implementation of a median can reduce the incidence of a head-on crash by 90%.

Levett (2009) examined the effect of a 1.0m wide median installed along the Pacific Highway with a 62% reduction in the total number of crashes, a 50% reduction in crash severity and 55% reduction in cross-over crashes. Clearly a separation of up to 1.0m can have a positive effect on the frequency and severity of head-on crashes.

Whittaker (2012) also found a 75% reduction in head-on and cross-over crashes when using a 1.0m painted median along the Bruce Highway in Queensland.

Again driver behaviour and perception can be attributed to this reduction. Having additional lateral clearance gives drivers that are travelling at the 85th percentile operating speed room to react to their errant vehicle or an oncoming vehicle.

Enhanced road markings are purely visual measures which are effective in influencing driver behaviour in terms of speed and lateral position. Studies have proven a reduction in average speed and a reduction in the average distance from the centre line of the road to the vehicles side mirrors.

Narrower roads or lane widths as a result of implementing a greater separation between opposing carriageways has been said to lead to slower travel speeds which in turn has proven to lead to reduced incidence of

crashes. As remedial works, lane width will need to be compromised in order to provide a median separation which may complement each other to provide greater separation and lower operating speeds. However, lane widths was not considered as part of this research and therefore further analysis into the effect of lane widths will need to be undertaken.

5.3 Secondary findings – Other contributing factors

5.3.1 Crash Severity

As previously mentioned Figure 6 shows that approximately 7% (313) of all head-on crashes on NSW roads resulted in a fatality. According to RMS Centre for Road Safety, there was a total of 1924 of road related fatalities from 2009 to 2013. This data accounts for all crash types, therefore head-on crashes account for approximately 16% of all road related fatalities.

Table 5 Total number of road related fatalities (2009-2013)(TNSW, Centre for Road Safety, 2015)

	Metropolitan	Country
2009	143	310
2010	124	281
2011	97	267
2012	107	262
2013	108	225
Total	579	1345

Higher speed environments account for a higher number of fatal head-on crashes. This may be attributed to the combined speed of both vehicles contributing to high severity crashes. As the speed environment increased, so did the number of fatal head-on crashes.

As speeds increase, crashes tend to result in more serious injury for both occupants. Severity of a head-on crash is not only determined by vehicle speed but also the mass difference between the vehicles. For example, in a crash between a passenger vehicle and a heavy vehicle, the driver of the

passenger vehicle has a higher percentage of increased severity due to the mass of the larger vehicle.

This is a law of physics involving kinetic energy which puts the human body in a vulnerable state when forces are released from a crash (SWOV, 2012). The human body can tolerate a certain amount of external forces. When this threshold is extended, serious or fatal injury will occur (ERSO, 2007).

In addition, when speed is increased the distance travelled when the driver is making a decision increases therefore the distance needed to stop the vehicle increases making the impact speed higher, whereby Newton's 2nd law of physics takes place. However, vehicle safety has improved immensely with features such as side curtain airbags, which helps to absorb some of the energy in a crash.

In terms of separation width, fatal crashes were scattered across all widths but did increase as the separation increased. When factoring in speed as well, this trend somewhat diminishes. Many factors can affect the severity of head-on crashes such as excessive and inappropriate operating speeds. Driver behaviour is hard to quantify as many factors can contribute to the event and its severity.

5.3.2 Road Environment

Figure 11 highlighted that approximately three quarters of all head-on crashes occurred in an urban road environment. The remaining 27% was made up of head-on crashes occurring in a rural road environment. It is noted that there is a higher proportion of increased severity crashes in a rural environment with 15.6% of rural head-on crashes resulting in a fatality, compared to urban environment which resulted in only 3.8% of fatal head-on crashes.

This can be attributed to the higher operating and posted speeds which accompany a rural road environment with 95% of all rural head-on crashes occurring in a 90-110km/h posted speed zone. Rural crashes resulting in a fatality can be associated to drinking driving, greater travel times, road geometry, fatigue and speed.

Increased separation width had an adverse effect on crashes in a rural road environment which further emphasizes that if the abovementioned factors are present, vehicles still have the potential to collide with opposing traffic regardless of the separation provided.

Although approximately 75% of all head-on crashes occur in an urban road environment, the severities of these crashes were minor. Factors such as the speed environment and other traffic calming devices i.e. traffic signals, means drivers need to handle and react to many other distractions in an urban environment. However, the speed of vehicles in such environments is kept to a minimum therefore minimising the severity of crashes.

In urban areas, reaction times of drivers are considered faster, to deal with changing traffic conditions. Therefore, having a separation between opposing carriageways has a positive effect for improvement of crash severity. This is reflected in the results with low speed environments having a reduction in crashes with increased separation.

5.3.3 Alignment

Figure 16 highlighted that approximately two thirds of all head on crashes occurred on curved alignments. Crashes occurring on curved sections of road did not show much difference in the proportion of fatal crashes as opposed to crashes occurring on straight sections of road. Given the amount of curved alignment sections of road is much smaller than the amount of straight sections (Mackenzie, 2008) the number of crashes on curved section of road is distressing. The likelihood of having a head-on crash on a curved section of road is far greater than on straight sections of road. Crashes on curves can be caused by excessive entry speed to the curve, understeering or even poor delineation of the curve.

It is noted that curve radii's was not considered as part of this research and further work can be done to analyse how the curve radii contributes to such crashes.

Low speed environments produced the highest number of head on crashes with 47.2%. Of these, 62.2% of crashes occurred on curved sections of road with no separation between opposing carriageways.

Moderate speed environments saw the highest proportion of head on crashes with 1125 crashes occurring on approximately 8600kms of road.

On curved sections of road, providing a separation of up to 1metre provides a significant reduction in crashes. However, to provide an additional reduction in a low or moderate speed environment, a separation greater than 2 and 3 metres respectively should be provided.

5.3.4 Pavement type

Data collected from RMS, Centre for Road Safety, NRMA- Funding Local Roads (2015) shows the approximate proportion of sealed and unsealed roads in NSW. The total length of road calculated is 169,597 kms. This does not include roads such as dirt tracks which do not have a speed limit. Figure 21 in Section 4 shows only 8.4% of all head on crashes occur on unsealed roads. Unsealed roads typically occur where the flow of traffic is low and often does not warrant the expense of sealing and maintaining a sealed surface (ARRB, 2011). Most NSW roads which are unsealed are in rural or remote areas. Unsealed roads make up approximately 48.7% of the NSW road network.

Of the 8.4% of head on crashes that occurred on unsealed roads 2.3% (or 9 crashes) resulted in fatalities. It is noted that of these crashes, 6 occurred on curved sections of road. Seven of the crashes involved a motorcycle as the key traffic unit type and all crashes occurred on a weekend.

Almost all unsealed pavement crashes occurred on roads with no separation. Generally unsealed roads geometry do not warrant separation because of the volume and cost to upkeep the roads which are reflected in Figure 25 of Section 4.

Crashes on unsealed pavement at low speeds contribute a higher proportion of crashes considering the total length of 50-60km/h roads compared to higher speeds. However moderate speed environments accounted for the highest proportion of unsealed pavement head on crashes. This could be attributed to the road geometry with 83% occurring on curved sections of road. This report did not include the radii's of such curves however further work can be done to analyse how the curve radii contributes to such crashes.

Crashes that occurred on sealed roads accounted for 91.6% of all head on crashes. Of these 88.8% occurred on roads with no separation between opposing carriageways. Sealed roads in NSW account for approximately 51.3% of the road network. However total lengths of road with varying separation width had not been recorded. Further work is required to establish this parameter as it was outside the scope of this research.

Moderate speed crashes on sealed roads had the highest proportion of crashes when compared to the total amount of 70-80km/h roads in NSW. Again 66% of these crashes occurred on curved sections of road leaving road geometry as a prominent cause of head on crashes on sealed roads.

5.3.5 Weather conditions

Studies have shown that when roads are wet the number of crashes increases but the severity of these crashes somewhat decreases (Edwards 1998). The possible reason for this may be from drivers travelling slower in wet weather conditions so even though more crashes occur; the severity is lower due to the lower operating speeds.

Wet weather crashes contributed to approximately 35% of all head-on crashes. Of these crashes only 5.64% resulted in a fatality which further consolidates the statement above.

It is not possible to estimate what percentage of time will be wet compared to dry on the road surface given different rainfall patterns and air temperature for any given day.

Austroroads commentary suggested that in order for an area to be predominately dry, the average number of days per year with rainfall greater than 5mm should be less than 40 days. Therefore data from the Bureau of Meteorology was obtained for the amount of rainfall at particular sites in both urban and rural NSW and the following average number of days was calculated.

It is noted that the figures below are summarised for the purpose of this study and that the average number of rain days per year across NSW are dispersed differently depending on the particular site.

Table 6 Average amount of rain per year (Bureau of Meteorology, 2009-2013)

	Average rain per year (days)	Average rain per year (%)
Urban	49.51	13.6
Rural	25.9	7.1

Looking at the number of head-on crashes over the study period, the table below shows the crashes with respect to surface conditions and jurisdiction.

Table 7 Number of crashes, wet/dry vs. urban/rural

	Wet	Dry
Urban	1231	2050
Rural	347	865

Table 6 and Table 7 highlight the correlation between the amount of wet weather crashes and the average days of rain per year, 78% and 22% of wet weather crashes occurred in urban and rural environments respectively.

There was a high proportion of wet weather crashes in both rural and urban areas, making them highly overrepresented. Although it is noted that there is some limitations to this outcome as the area of the state that is urban and rural is not considered and also the vehicle trips in both urban and rural environments were not considered.

The high proportion of wet weather head-on crashes in rural areas can also be attributed to driver behavior. As highlighted in

Table 6, people in rural areas does not experience as much rain as those living in urban areas, which see approximately double the rain each year. Therefore rural drivers may find it harder to adjust their driving habits to the conditions such as leaving a safe distance from the vehicle ahead or misjudging the approach speed on a curve.

In dry conditions, providing an increased separation helped to reduce crashes for low speed environments. In wet conditions, a reduction in crashes occurred when providing a separation of 2 metres or more for both low and moderate speed environments. Increased separation had an adverse effect on crashes in high speed environments. This could be attributed to the higher operating speeds which can lead to easier loss of control and aquaplaning.

5.3.6 Lighting conditions

Results show that a greater number of head on collisions occurred during daylight rather than darkness in NSW. 77% of all head on collisions in NSW occurred during daylight, which would suggest that daylight has a negative effect on the frequency of crashes. However there are several other factors that contributed to this result.

One reason why there are a greater number of head on collisions during daylight is the number of vehicles on the road during that time. Peak hour traffic occurs predominately during daylight, as does school related journeys and bus routes. Many vehicle based businesses, such as construction tradespeople and couriers, also operate predominately during daylight.

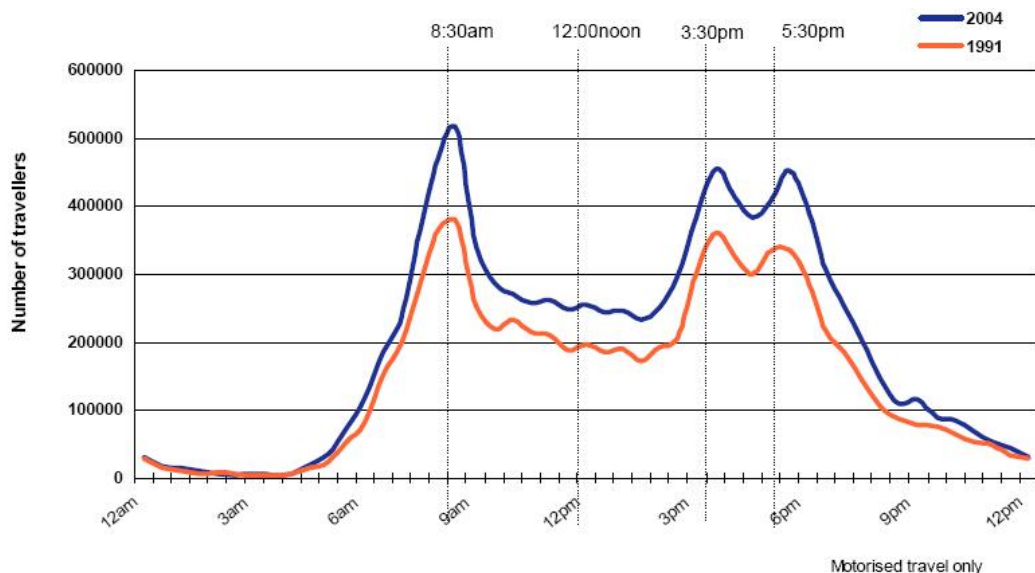


Figure 45 Number of travelers by time of day (NSW Department of Planning, Australia)

Figure 45 shows that the highest numbers of NSW residents used vehicles around 8:30am, 3:30pm and 5:30pm on an average weekday in both 1991 and 2004 (Corpuz 2006). There is a larger percentage of travel during daylight compared to darkness as there are 3 peaks in travel trends as shown in Figure 45. Due to the larger volume of traffic on the roads during daylight there is an increased likelihood of collisions.

Furthermore daylight covers most of the hours over a 24 hour period. During winter months daylight covers approximately 10 hours per day (7am-5pm) during which most peak hour traffic occurs. In summer months daylight covers approximately 14 hours per day (7am-9pm) which means a vast majority of vehicle transport takes place during daylight. The number of daylight hours affects the representation of head on collisions during daylight.

Over the weekends and during holiday periods the volume of vehicle use during darkness does increase due to people travelling for social events but most of the time motorised journeys are conducted during daylight.

On the other hand, Levett, 2008 suggests that crashes are more severe if the crash happens during darkness. This could be attributed to higher operating speeds even though there are fewer vehicles on the road, as well as fatigue, alcohol related crashes and compliance to seatbelt usage. All these factors can contribute to increased severity however the common parameter is dark lighting conditions.

Figure 46 shows the increased severity of head-on crashes during darkness, with a combined factor of speed involvement.

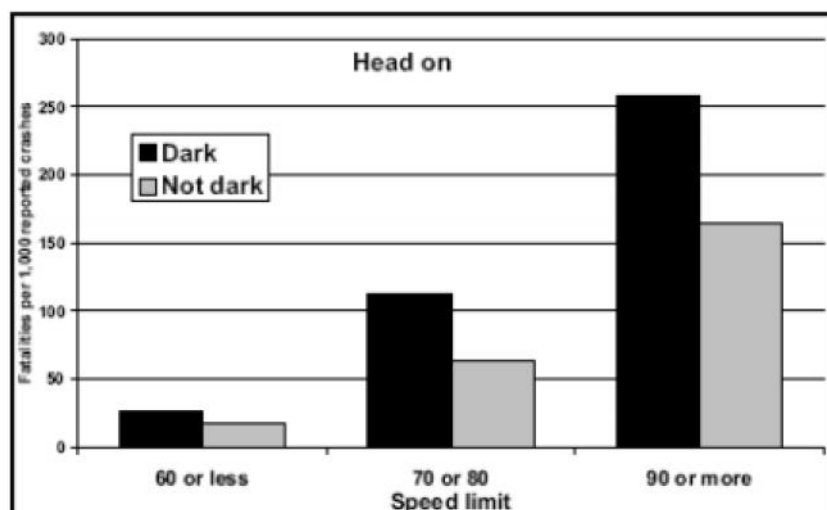


Figure 46 Number of fatalities per 1,000 reported head-on crashes by natural lighting (NSW, 1997-2006)

Section 4 of this study highlights that 22.7% of all head on crashes occurred during darkness of which 7.5% resulted in a fatality. Similarly to Figure 46, number of fatalities in this study increased as the speed environment increased with 10.5%, 28.9% and 60.9% respectively.

In terms of separation width, a reduction in crashes was achieved when providing a separation of 3 metres or greater. This can be attributed to driver behaviour and perception of the road environment. A separation of 3 metres or more allows the driver to react and potentially avoid a crash with an oncoming vehicle.

In summary while a greater number of head-on collisions during daylight would infer that daylight has a negative effect on the frequency of collisions it is actually the volume of traffic during daylight hours that contributes to the larger number of crashes. While crashes during darkness only represent a smaller proportion of all head-on crashes, the number of fatal crashes increase as the speed environment increased.

5.3.7 Vehicle type

Figure 36 shows that 75.8% of all head on crashes in NSW involve passenger vehicles. This does not mean that passenger vehicles are less safe to drive, but rather reflects on the number of passenger vehicles on the road.

The Bureau of Statistics (2009-2013) reported that passenger vehicles made up 78.3% of all registered vehicles in NSW from 2009-2013. Therefore the likelihood of a collision involving a passenger vehicle is much higher than that of any other vehicle type.

Figure 34 also shows that heavy vehicles make up 17% of all head on collisions and motorcycles and bicycles 7%. This data could be interpreted as suggesting these vehicle types are safer to operate, when really there is just fewer of these vehicle types on the road. The Bureau of Statistics (2009-2013) shows that heavy vehicles and motorcycles make up 17% and 3.8% of all registered vehicles in NSW from 2009-2013 respectively.

Table 8 Total number of vehicles of register (Bureau of Statistics, Motor Vehicle Census, 2009-2013)

	2009	2010	2011	2012	2013	Total	Growth rate 09/13 (%)
Passenger Veh.	3602556	3675163	3742476	3803926	3877515	18701636	1.53%
Heavy Veh.	801994	831016	854838	877601	907195	4272644	2.62%
Motorcycles	162836	175292	181107	188469	199847	907551	4.55%

Table 9 Motor vehicles registered per 1000 population (Bureau of Statistics, Motor Vehicle Census, 2009-2013)

	2009	2010	2011	2012	2013	Total	Growth rate 09/13 (%)
Passenger Veh.	515	516	516	525	528	2600	0.50%
Heavy Veh.	113	115	117	122	124	591	1.95%
Motorcycles	23	25	25	26	27	126	3.48%

Heavy vehicle crashes reduced when provided with a separation of 3 metres or more. This can be attributed to the increased stopping distance needed by a heavier vehicle. The same finding was observed for passenger vehicles in moderate speed environments. Higher operating speeds are accompanied by longer stopping distances.

Although the results do not show this, the same can be said for high speed environments. There are not many corridors in NSW where higher speed environments are complemented with narrow medians. Rural road environments often only warrant a double barrier paint line and outer urban area i.e. freeways/motorways require wider landscaped medians.

6 Conclusions

This dissertation represents an attempt to define the relationship between speed and separation width for head-on crashes in NSW. Although there were some studies in the literature relating to this topic, specific literature on this subject is quite sparse. Thus, there is little available information on an issue which has become even more critical in today's society given the current movement towards adding lanes into existing medians to enhance capacity rather than widening the roadway. Therefore this study is a starting point in the development of much needed information relating to head-on crashes in terms of speed and separation width.

Several roadway characteristics in addition to speed and separation width affect the frequency and severity of head-on crashes. To isolate the effect of speed and separation, the other variables must be controlled by either restricting sections of road to particular roadway characteristics or through statistical adjustment.

Head-on crashes can occur under a wide range of circumstances. The major geometric feature associated with head on crashes is usually the median or separation between opposing carriageways if no barrier is present. There is evidence to suggest that head-on crashes are associated with driver behavior and erratic maneuvers.

Three major speed zoning characteristics and six different separation widths were identified and their relationship to head-on type crashes presented. The evaluation of the road safety aspects of this research stemmed from analysis of head-on crashes with respect to speed and separation width.

The methodology employed in this process has been efficient and allowed a large range of data collection and processing to be completed. The results presented address the shortcomings that were identified in the review of existing literature.

Relevant to the main aim of the dissertation, the following are valuable findings identified in this research:

- The total head-on crashes decreased as the separation between opposing carriageways increased.
- The total head-on crashes decreased as the posted speed environment increased.
- Crash severity increased with increasing travel speeds.
- Providing a separation width between opposing carriageways of 0-1m can reduce head-on crashes by an average of 93% across all speed zones.
- A further reduction in crash rates can be achieved when providing a separation width of 1-2m.

Many other findings, which were not explicitly relevant to the aim of the dissertation but contributing factors to head-on crashes, were realised:

- Urban road environments attract more head-on type crashes however; rural head-on crashes result in more severe outcomes.
- The likelihood of a head-on crash on a curved section of road is greater than on a straight section of road.
- Most head-on crashes occurred on sealed roads; in low speed environments and with no separation.
- There was high proportion of wet weather crashes.
- Most head-on crashes occurred during daylight hours; in low speed environments and with no separation.
- Passenger vehicles had a high head-on crash involvement rate.

The research has resulted in the eventuation of valuable outcomes. The results remain broad due to the scope and methodology of the research. The following highlights limitation or restrictions to the research findings presented:

- The accuracy of crash data is unverifiable

- Crash reports with statements and written descriptions were not exported as part of this analysis. They would have improved the value of the information and allowed more accurate reporting of data.
- Economic cost of the crashes has not been considered in analysis of the road safety impacts.

These limitations show the context in which this research has been conducted, the context in which it should be viewed and importantly, highlights the opportunities for further research in this area.

7 Recommendations

There is significant scope to develop the research presented in this dissertation into a sequence of future works. The original intention of evaluating head-on crashes in terms of contributing factors of speed and separation width should be maintained but developed and evaluated with greater depth. Many other contributing factors to head-on crashes were identified as part of the scope of this dissertation which can be further investigated as future works. The following recommendations for future work stem from limitations acquired from this dissertation.

Future works could include:

- Consideration to cross sectional features of the roadway and their specific effect on head-on crashes in regards to the following:
 - Type of median treatment i.e. concreted, grassed or landscaped.
 - Type of edging treatment i.e. kerbed or painted
 - Median slope
 - Shoulder width
 - Lane width
- Consideration to road safety can be extended to include economic cost. An analysis of the safety benefits to the road user versus the cost of wider median constructions would outline the overall economic differences in road safety to achieve a derisible product.

The aim of this dissertation is ongoing and was undertaken to improve knowledge of road safety within urban and rural road environments regarding the effects of speed and separation width on head-on crashes. The lack of knowledge regarding the specific effects of speed and separation width is apparent and design guidelines regarding this subject have proven so. Further analysis of the consequential effect of speed and separation width on head-on crashes is required to improve greater awareness to the road design community.

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Appendix A – Project Specification

University of Southern Queensland
FACULTY OF ENGINEERING AND SURVEYING

ENG4111/4112 Research Project
PROJECT SPECIFICATION

STUDENT: Jonathan EPSELIS

TOPIC: INVESTIGATION OF THE RELATIONSHIP BETWEEN SPEEDS, SEPARATION WIDTHS AND HEAD ON CRASHES IN NEW SOUTH WALES.

SUPERVISOR: Trevor Drysdale

ENROLMENT: Semester One, 2015 – ENG4111
Semester Two, 2015 – ENG4112

PROJECT AIM: Speed increases the risk of a crash and its severity. Types of crashes such as head-on/cross over crashes are the most severe on the New South Wales Road network and even around Australia. Previous research suggests having a separation between traffic will decrease the risk of a crash however, do certain speed environments warrant certain separation widths? This report will aim to investigate and analyse head-on crashes within New South Wales taking into consideration the speed environment and median separation width to evaluate crash rates.

PROGRAMME: Issue A, 18th February 2015

1. Perform a literature review of published material that identifies and analyses crashes in New South Wales.
2. Collect and analyse data relating to head on crashes.
3. Identify crashes and analyse in regards to primary factors such as speed and separation width on New South Wales Roads.
4. Compare incidences of head on crashes at different speed environments and separation widths to determine whether these parameters contribute to crashes and if so, which speeds and widths contribute to higher crashes rates.

5. Develop relationships between the crash data and consider other contributing factors such as weather, lighting, road classification and road geometry that could have contributed to the crashes.
6. Obtain latest average daily traffic volumes to determine appropriate crash rates.
7. Present findings to identify impacts of speed and separation width on road safety in relations to head on crashes.
8. Identify opportunities for further research into topic.

If time permits:

9. Analyse specific road dimensions such as lane widths and shoulder widths.

AGREED

Name: _____ (student) _____ (supervisor)

Signature: _____ (student) _____ (supervisor)

Date:

Appendix B – Crash Data

Date	Crash No.	RUM Code	RUM Description	Type of Location	Surface Condition	Natural Lighting	No. Killed	No. Injured	Key Dir	Road Classification	Street of Crash	Street Type	DIST (m)	DIRN	Identifying Feature (ID)	ID Type	Town	LGA	Speed	Veh Invol.	Degree of crash	Speeding involved in crash	Fatigue involved in crash	Latitude	Longitude	Median width	Alignment	Day of week of crash	Time of crash	Urbanisation	Road surface	Key TU type	Age	Gender
03/01/2009	646186	20	Head on	2-way undivided	Dry	Daylight	1	-	South	State highway	NEWELL	Hwy	1000	North	MAIN	Rd	Tomingley	Narrornine	110	2	Fatal	No or unknown	Yes	-32.559153	148.229381	0	S	Saturday	0800	Rural	Sealed	Passenger vehicle	42	Male
14/01/2009	647341	20	Head on	2-way undivided	Dry	Daylight	1	2	East	State highway	STURT	Hwy	41000	East	SILVER CITY	Hwy	Monak	Wentworth	110	2	Fatal	No or unknown	Yes	-34.407690	142.437355	0	S	Wednesday	1540	Rural	Sealed	Passenger vehicle	34	Male
10/01/2009	647342	20	Head on	2-way undivided	Wet	Daylight	1	1	North	Other classified road	WILTON	Rd	100	North	WILTON	Rd	Toronto	Lake Macquarie	80	3	Fatal	Yes	No or unknown	-33.870329	151.147265	0	C	Monday	0940	Urban	Sealed	Passenger vehicle	30	Male
19/01/2009	647347	20	Head on	2-way undivided	Dry	Daylight	1	2	West	Other classified road	RICHMOND	Rd	1500	West	GARFIELD	Rd	Marsden Park	Wentworth	80	2	Fatal	No or unknown	No	-33.687006	150.822800	0	C	Monday	0940	Rural	Sealed	Heavy vehicle	28	Male
28/01/2009	648286	20	Head on	2-way undivided	Dry	Daylight	3	-	West	State highway	MITCHELL	Hwy	1300	West	TANTITHA	Rd	Narrornine	Narrornine	110	2	Fatal	No or unknown	No	-32.249689	148.300603	0	C	Wednesday	1453	Rural	Sealed	Passenger vehicle	68	Female
07/02/2009	649159	20	Head on	2-way undivided	Dry	Daylight	1	2	South	Other classified road	PITCHON	Rd	2000	North	WILTON PARK	Rd	Wilton	Wollondilly	100	3	Fatal	Yes	No or unknown	-34.210379	150.653778	0	C	Saturday	1350	Rural	Sealed	Passenger vehicle	31	Male
09/01/2009	649163	20	Head on	2-way undivided	Dry	Daylight	1	1	West	Unclassified road	BUNGONIA	Rd	280	East	MEMORIAL	Dr	Goulburn	Goulburn Mulwaree	60	2	Fatal	No or unknown	Yes	-34.772490	149.727544	0	C	Friday	0920	Urban	Sealed	Passenger vehicle	32	Male
10/02/2009	649164	20	Head on	2-way undivided	Wet	Daylight	1	1	East	Other classified road	REMEMBRANCE	Lane	2000	East	GOVERNORS	Lane	Picton	Wollondilly	100	2	Fatal	Yes	No or unknown	-34.160321	150.644211	0	C	Tuesday	0450	Rural	Sealed	Passenger vehicle	19	Male
12/02/2009	649168	20	Head on	2-way undivided	Wet	Darkness	1	1	South	Unclassified road	HUE HUE	Rd	200	North	KIAR RIDGE	Rd	Jilliby	Woyang	90	2	Fatal	No or unknown	No	-33.212248	151.429352	0	C	Thursday	2305	Rural	Sealed	Passenger vehicle	27	Male
14/02/2009	649171	20	Head on	2-way undivided	Wet	Daylight	1	4	West	Unclassified road	ANGELS BEACH	Dr	500	East	LINKS	Ave	East Ballina	Ballina	80	2	Fatal	No or unknown	No	-28.445338	153.586652	0	C	Saturday	1640	Urban	Sealed	Passenger vehicle	46	Female
04/01/2009	651793	20	Head on	2-way undivided	Dry	Darkness	-	1	North	Unclassified road	CAMPBELL HILL	Rd	200	South	GURNEY	Rd	Chester Hill	Banksstown	60	2	Non-fatal	No or unknown	Yes	-33.871628	150.999775	0	S	Sunday	0030	Urban	Sealed	Passenger vehicle	24	Male
04/01/2009	651799	20	Head on	2-way undivided	Dry	Daylight	-	-	East	Unclassified road	JARAUBEN	Rd	12000	West	LARRYS MOUNTAI	Rd	Deua National	Eurobodalla	100	2	Non-fatal	No or unknown	No	-35.768818	149.337550	0	C	Sunday	1100	Rural	Unsealed	Passenger vehicle	27	Male
05/01/2009	651833	20	Head on	2-way undivided	Dry	Daylight	-	-	South	Unclassified road	BALEMO	Rd	180	North	ORANA	Rd	Ocean Shores	Byron	50	2	Non-fatal	No or unknown	No	-28.513249	153.531262	0	C	Tuesday	0930	Urban	Sealed	Passenger vehicle	42	Female
09/01/2009	651869	20	Head on	2-way undivided	Wet	Darkness	-	-	North	Unclassified road	SANDGATE	Rd	115	South	ASTRA	St	Shortland	Newcastle	2	2	Non-fatal	Yes	No or unknown	-32.857579	151.702038	0	C	Friday	0230	Urban	Sealed	Passenger vehicle	47	Male
16/01/2009	651880	20	Head on	2-way undivided	Dry	Daylight	-	-	South	State highway	PACIFIC	Hwy	400	North	GREY GUM GULLY	Op	Nerong	Great Lakes	80	2	Non-fatal	No or unknown	Yes	-32.500049	152.208958	12	C	Friday	1430	Urban	Sealed	Passenger vehicle	64	Female
21/02/2009	651882	20	Head on	2-way undivided	Wet	Darkness	1	4	South	State highway	PRINCES	Hwy	400	North	WHITTAKERS CRE	Bdge	Bodalla	Eurobodalla	100	2	Fatal	Yes	No or unknown	-36.128178	150.087773	0	C	Saturday	0150	Rural	Sealed	Passenger vehicle	26	Male
22/02/2009	651883	20	Head on	2-way undivided	Dry	Daylight	2	1	South	Other classified road	WINGHAM	Rd	800	South	YOUNGS	Rd	Wingham	Greater Taree	90	2	Fatal	No or unknown	No	-31.863712	152.377768	0	C	Sunday	1500	Rural	Sealed	Passenger vehicle	20	Male
02/01/2009	652400	20	Head on	2-way undivided	Dry	Daylight	-	2	South	State highway	NEWELL	Hwy	2000	North	BURLEY GRIFFIN	Way	Ardlethan	Coalmon	110	2	Non-fatal	No or unknown	No	-34.350165	146.918577	0	S	Friday	1130	Rural	Sealed	Passenger vehicle	65	Male
02/01/2009	652544	20	Head on	2-way undivided	Wet	Daylight	-	2	East	Unclassified road	STEWARTS RIVER	Rd	77	East	HANNAMVALE	Rd	Stewarts River	Greater Taree	90	2	Non-fatal	No or unknown	No	-31.732173	152.652717	0	S	Friday	1750	Rural	Sealed	Passenger vehicle	63	Male
02/01/2009	652716	20	Head on	2-way undivided	Dry	Daylight	-	1	North	Unclassified road	BARRY	Way	4000	South	THE SNOWY RIVE	Way	Kosciuszko Nat	Snowy River	100	2	Non-fatal	No or unknown	No	-36.695240	148.436524	0	C	Sunday	1430	Rural	Unsealed	Passenger vehicle	53	Male
05/01/2009	652726	20	Head on	2-way undivided	Dry	Daylight	-	2	North	Other classified road	TERESA CREEK	Rd	8400	North	ROUNGER	Hwy	Theresa Creek	Kywoola	100	2	Non-fatal	No or unknown	No	-38.792000	152.803178	0	C	Saturday	1810	Rural	Sealed	Passenger vehicle	43	Female
09/01/2009	652744	20	Head on	2-way undivided	Wet	Daylight	-	-	West	Other classified road	ARMIDALE	Rd	840	South	HORTONS CREEK	Bdge	Clouds Creek	Clarence Valley	100	2	Non-fatal	Yes	No or unknown	-30.003911	152.873053	0	C	Friday	1230	Rural	Sealed	Passenger vehicle	23	Female
07/01/2009	653274	20	Head on	2-way undivided	Dry	Daylight	-	3	North	Other classified road	MULGOA	Rd	825	South	GLENMORE	Pkwy	Mulgoa	Penrith	60	3	Non-fatal	Yes	Yes	-33.778347	150.656555	0	C	Wednesday	0650	Urban	Sealed	Passenger vehicle	18	Male
10/01/2009	653307	20	Head on	Dual freeway	Dry	Daylight	-	1	South	State highway	HUME	Hwy	2000	North	AVON DAM ROAD	Op	Bargo	Wollondilly	110	2	Non-fatal	No or unknown	No	-34.296845	150.616200	24	s	Saturday	1100	Rural	Sealed	Passenger vehicle	85	Male
20/01/2009	653455	20	Head on	2-way undivided	Dry	Daylight	-	-	South	Unclassified road	PT PLOMER	Rd	550	South	GLOOLAWAH	Park	Crescent Head	Kempsey	2	2	Non-fatal	No or unknown	No	-31.253943	152.964751	0	C	Tuesday	1630	Urban	Sealed	Passenger vehicle	35	Female
21/01/2009	653483	20	Head on	2-way undivided	Dry	Daylight	-	3	South	Unclassified road	GUNGAS	Rd	760	South	TUNTABLE FALLS	Rd	Nimbin	Lismore	80	2	Non-fatal	No or unknown	No	-28.592293	153.228798	0	C	Wednesday	1800	Urban	Sealed	Heavy vehicle	30	Male
21/01/2009	653492	20	Head on	2-way undivided	Dry	Daylight	-	1	North	Other classified road	WILFRED BARRET	Dr	700	North	THE ENTRANCE	Bdge	North Entrance	Waggon	70	3	Non-fatal	Yes	No or unknown	-33.305552	151.920693	0	S	Wednesday	1550	Urban	Sealed	Passenger vehicle	18	Female
02/01/2009	653505	20	Head on	2-way undivided	Dry	Daylight	-	-	West	State highway	PRINCES	Hwy	500	East	TINDALLS	Lane	Berry	Shoalhaven	90	3	Non-fatal	No or unknown	Yes	-33.763050	150.728598	0	S	Friday	1300	Rural	Sealed	Passenger vehicle	37	Female
16/01/2009	653818	20	Head on	2-way undivided	Dry	Daylight	-	1	South	Other classified road	WILFRED BARRET	Dr	200	North	WYUNA	Ave	North Entrance	Woyang	60	3	Non-fatal	Yes	No or unknown	-33.820991	151.511385	0	C	Friday	1255	Urban	Sealed	Passenger vehicle	43	Male
17/01/2009	653863	20	Head on	2-way undivided	Dry	Daylight	-	2	South	Unclassified road	WILFRED BARRET	Dr	84	South	WAK	Rd	Blacktown	Blacktown	80	2	Non-fatal	No or unknown	No	-33.741596	150.913180	0	C	Saturday	1810	Urban	Sealed	Passenger vehicle	31	Female
20/01/2009	653716	20	Head on	2-way undivided	Wet	Daylight	-	-	West	Other classified road	BERMAGUI	Rd	10	East	WAPENGO CREEK	Bdge	Wapengo	Bega Valley	80	2	Non-fatal	No or unknown	No	-36.558997	149.993893	0	C	Tuesday	1730	Urban	Sealed	Passenger vehicle	Unk	Female
22/01/2009	653773	20	Head on	2-way undivided	Wet	Daylight	-	3	South	Other classified road	THUNDERBOLTS	Way	1180	South	GWYDIR RIVER	Rd	Bundarra	Uralla	100	2	Non-fatal	Yes	No or unknown	-30.195670	151.07864	0	C	Thursday	1050	Rural	Sealed	Passenger vehicle	26	Male
22/01/2009	653776	20	Head on	2-way undivided	Wet	Daylight	-	-	North	Unclassified road	MARSDEN PARK	Rd	200	South	CALALA	Lane	Calala	Marathon Regional	100	2	Non-fatal	No or unknown	Yes	-31.148231	150.983643	0	C	Thursday	1916	Rural	Unsealed	Heavy vehicle	68	Male
22/01/2009	653779	20	Head on	2-way undivided	Dry	Daylight	-	2	North	Unclassified road	THE POCKET	Rd	1355	North	MAIN ARM	Rd	Main Arm	Byron	2	2	Non-fatal	No or unknown	No	-28.501425	153.443237	0	C	Thursday	0844	Urban	Sealed	Passenger vehicle	41	Male
24/01/2009	653824	20	Head on	2-way undivided	Dry	Daylight	-	1	South	Unclassified road	SIR JOHN YOUNG	Cres	200	South	PALMER	St	Woolloomooloo	Sydney	50	2	Non-fatal	No or unknown	No	-33.870347	151.217800	2.5	C	Saturday	0115	Urban	Sealed	Passenger vehicle	58	Male
26/01/2009	653836	20	Head on	2-way undivided	Wet	Daylight	-	-	North	Other classified road	WAKEHURST	Pkwy	700	North	OXFORD FALLS	Rd	Oxford Falls	Warrigang	80	3	Non-fatal	No or unknown	Yes	-33.729224	151.247820	0	C	Monday	1550	Urban	Sealed	Passenger vehicle	18	Male
06/03/2009	653910	20	Head on	2-way undivided	Dry	Daylight	1	2	West	Other classified road	RICHARDSON	Rd	215	West	GRAHAMSTOWN	Rd	Campvale	Port Stephens	100	2	Fatal	No or unknown	No	-32.766872	151.811723	0	C	Friday	0600	Rural	Sealed	Passenger vehicle	48	Male
07/03/2009	653911	20	Head on	2-way undivided	Dry	Daylight	-	-	East	Unclassified road	THUNDERBOLTS	Way	4000	West	MILLERS	Rd	Newendic	Wacha	100	2	Fatal	No or unknown	No	-31.423240	151.636792	0	C	Saturday	1200	Rural	Sealed	Passenger vehicle	47	Male
08/03/2009	653914	20	Head on	2-way undivided	Wet	Daylight	2	3	East	Other classified road	KINGS	Hwy	400	West	POON BEAR CORN	Op	Clyde Mountain	Eurobodalla	70	2	Fatal	Yes	No or unknown	-35.548540										

04/03/2009	658075	20	Head on	2-way undivided	Dry	Daylight	-	-	South	Unclassified road	MT VIEW	Rd	100	South	BIMBADEEN	Rd	Mt View	Cessnock	80	2	Non-fatal	No or unknown	No or unknown	No or unknown	-32.854927	151.285851	0	C	Wednesday	0745	Urban	Sealed	Heavy vehicle	51	Male
06/03/2009	658089	20	Head on	2-way undivided	Dry	Daylight	-	-	South	Unclassified road	HIGHWAY ACCESS	Rd	55	North	RADIANCE	Ave	Blackheath	Blue Mountains	50	2	Non-fatal	No or unknown	No or unknown	No or unknown	-33.621810	150.276884	0	C	Friday	1036	Urban	Sealed	Passenger vehicle	48	Female
17/01/2009	658113	20	Head on	2-way undivided	Dry	Daylight	-	-	South	Unclassified road	MATCHAM	Rd	810	North	ELAINE	Rd	Matcham	Gosford	60	2	Non-fatal	No or unknown	No or unknown	No or unknown	-33.407438	151.432042	0	C	Saturday	0915	Urban	Sealed	Passenger vehicle	52	Male
13/02/2009	658195	20	Head on	2-way undivided	Wet	Daylight	-	2	North	Unclassified road	TAYLORS ARM	Rd	300	South	CONGARINNI	Rd	Congarinni	Nambucca	80	2	Non-fatal	No or unknown	No or unknown	No or unknown	-30.723418	152.883599	0	C	Friday	1750	Urban	Sealed	Passenger vehicle	18	Male
14/02/2009	658201	20	Head on	2-way undivided	Wet	Daylight	-	-	West	Unclassified road	MACDONALDS	Rd	740	East	PACIFIC	Hwy	Lisarow	Gosford	60	2	Non-fatal	Yes	No or unknown	No or unknown	-33.385023	151.378557	0	C	Saturday	1515	Urban	Sealed	Passenger vehicle	19	Male
15/02/2009	658211	20	Head on	2-way undivided	Wet	Daylight	-	1	East	Unclassified road	PAROO	Rd	315	North	WATTLE TREE	Rd	Holgate	Gosford	50	2	Non-fatal	No or unknown	No or unknown	No or unknown	-33.399548	151.405218	0	C	Sunday	1425	Urban	Sealed	Passenger vehicle	43	Female
16/02/2009	658216	20	Head on	2-way undivided	Wet	Daylight	-	-	North	Unclassified road	REIDS	Rd	1860	South	ROLLANDS PLAIN	Rd	Telegraph Pk	Port Macquarie-Hastin	50	2	Non-fatal	No or unknown	No or unknown	No or unknown	-31.339362	152.732212	0	C	Monday	1230	Urban	Sealed	Passenger vehicle	38	Male
28/02/2009	658308	20	Head on	2-way undivided	Dry	Daylight	-	-	North	Unclassified road	BARWON	Rd	60	North	HALLAM	Ave	West Lane Cove	Lane Cove	50	2	Non-fatal	Yes	No or unknown	Yes	-33.811439	151.155600	0	C	Saturday	1204	Urban	Sealed	Passenger vehicle	56	Female
05/03/2009	658310	20	Head on	2-way undivided	Dry	Daylight	-	-	North	Unclassified road	KU-RING-GAI	St	200	North	PACIFIC	Hwy	Ku-Ring-Gai	Ku-Ring-Gai	50	2	Non-fatal	No or unknown	No or unknown	No or unknown	-33.723388	151.1425	0	C	Monday	1425	Urban	Sealed	Passenger vehicle	32	Male
13/01/2009	658457	20	Head on	2-way undivided	Dry	Darkness	-	3	North	State highway	COBB	Hwy	400	North	NICHOLAS	Dr	Moama	Murray	100	2	Non-fatal	No or unknown	No or unknown	No or unknown	-36.096390	144.755353	0	C	Tuesday	2135	Rural	Sealed	Passenger vehicle	32	Male
17/02/2009	658491	20	Head on	2-way undivided	Wet	Darkness	-	2	South	Unclassified road	SERPENTINE	Rd	630	South	THE ENTRANCE	Rd	Erina Heights	Gosford	50	2	Non-fatal	No or unknown	No or unknown	No or unknown	-33.432292	151.412691	0	C	Tuesday	0500	Urban	Sealed	Passenger vehicle	27	Male
02/03/2009	658567	20	Head on	2-way undivided	Dry	Daylight	-	-	North	Other classified road	WISEMANS FERRY	Rd	1200	South	MANGROVE	Rd	Greengrove	Gosford	70	2	Non-fatal	No or unknown	No or unknown	No or unknown	-33.930739	151.151182	0	C	Monday	1805	Urban	Sealed	Passenger vehicle	71	Male
06/03/2009	658638	20	Head on	2-way undivided	Dry	Daylight	-	3	South	State highway	NEW ENGLAND	Hwy	1155	South	ROCKY GULLY	Rd	Bendemeer	Tamworth Regional	100	2	Non-fatal	No or unknown	No or unknown	No or unknown	-30.849201	151.214086	0	C	Friday	1525	Rural	Sealed	Passenger vehicle	17	Male
06/03/2009	658650	20	Head on	2-way undivided	Dry	Darkness	-	2	West	State highway	MITCHELL	Hwy	150	East	MILLTHORPE	Rd	Victoria	Bathurst Regional	110	2	Non-fatal	No or unknown	No or unknown	Yes	-33.432434	149.334342	0	C	Friday	0230	Rural	Sealed	Passenger vehicle	35	Female
07/03/2009	658661	20	Head on	2-way undivided	Dry	Daylight	-	-	West	State highway	ILLAWARRA	Hwy	445	West	CLOVER HILL	Rd	Macquarie Pass	Shellharbour	60	2	Non-fatal	No or unknown	No or unknown	No or unknown	-34.564791	150.865408	0	C	Saturday	1555	Urban	Sealed	Passenger vehicle	84	Male
07/03/2009	658663	20	Head on	Divided road	Dry	Daylight	-	2	South	State highway	FRINCES	Hwy	2600	North	FERN	St	Kiama Heights	Kiama	80	3	Non-fatal	No or unknown	No or unknown	No or unknown	-34.709059	150.840228	2.2	C	Saturday	1727	Urban	Sealed	Motorcycle	42	Male
19/03/2009	658717	20	Head on	2-way undivided	Wet	Daylight	-	-	North	Other classified road	BELLS LINE OF	Rd	1450	South	MT WILSON	Rd	Mt Tomah	Blue Mountains	80	2	Non-fatal	No or unknown	No or unknown	No or unknown	-33.553927	150.341914	0	C	Monday	0930	Urban	Sealed	Passenger vehicle	36	Male
10/03/2009	658746	20	Head on	Divided road	Dry	Daylight	-	-	East	Other classified road	RIVER	Rd	40	West	CANBERRA	Ave	Greenwich	Lane Cove	50	3	Non-fatal	Yes	No or unknown	Yes	-33.827823	151.192329	0.8	S	Tuesday	1505	Urban	Sealed	Passenger vehicle	83	Male
24/04/2009	658890	20	Head on	2-way undivided	Dry	Daylight	1	-	South	Unclassified road	MITCHELL	Rd	340	North	DUKES	Rd	Lake Albert	Wagga Wagga	20	2	Fatal	Yes	No or unknown	Yes	-35.176727	147.400417	0	S	Friday	0705	Urban	Sealed	Heavy vehicle	21	Male
24/04/2009	658891	20	Head on	2-way undivided	Dry	Darkness	1	1	North	State highway	PACIFIC	Hwy	1100	North	ILKA	Rd	Mororo	Clarence Valley	100	2	Fatal	No or unknown	No or unknown	No or unknown	-29.345592	153.243369	0	S	Friday	0025	Rural	Sealed	Heavy vehicle	50	Male
26/04/2009	658896	20	Head on	2-way undivided	Wet	Daylight	1	2	North	State highway	SNOWY MOUNTAIN	Hwy	2000	South	HUME	Hwy	Tumblong	Gundagai	100	2	Fatal	Yes	No or unknown	No or unknown	-35.188461	147.882799	0	S	Sunday	1440	Rural	Sealed	Passenger vehicle	41	Female
30/04/2009	658902	20	Head on	2-way undivided	Dry	Daylight	1	3	West	Unclassified road	DRY DOCK	Rd	40	West	FLORAL	Ave	South Tweed Hc	Tweed	50	2	Fatal	No or unknown	Yes	Yes	-28.192126	153.532093	0	S	Thursday	1515	Urban	Sealed	Passenger vehicle	64	Male
30/04/2009	658905	20	Head on	2-way undivided	Dry	Darkness	1	1	South	Unclassified road	TWEED COAST	Rd	300	North	CRESCENT	St	Chinderah	Tweed	80	2	Fatal	No or unknown	No or unknown	No or unknown	-28.254350	153.596627	0	C	Thursday	2300	Urban	Sealed	Heavy vehicle	23	Female
24/02/2009	659126	20	Head on	2-way undivided	Dry	Daylight	-	1	South	State highway	NEW ENGLAND	Hwy	1200	North	GEYERS	Rd	Sunnside	Tenterfield	100	2	Non-fatal	Yes	No or unknown	Yes	-29.008194	151.985373	0	C	Tuesday	1200	Rural	Sealed	Passenger vehicle	48	Female
03/03/2009	659173	20	Head on	2-way undivided	Wet	Daylight	-	1	West	Unclassified road	DUNCAN	Rd	30	West	RAYWARD	Rd	Dunoon	Lismore	100	2	Non-fatal	Yes	No or unknown	Yes	-28.692960	153.322998	0	C	Tuesday	1620	Rural	Sealed	Passenger vehicle	53	Male
05/03/2009	659178	20	Head on	2-way undivided	Wet	Daylight	-	-	North	Unclassified road	LIVERPOOL	Rd	50	West	WINDYBUSH	Ave	Liverpool	Woolongah	50	2	Non-fatal	Yes	No or unknown	Yes	-33.517801	151.281761	0	C	Friday	1525	Urban	Sealed	Passenger vehicle	24	Male
08/03/2009	659265	20	Head on	Divided road	Wet	Daylight	-	-	North	Other classified road	RYDE	Rd	150	North	KAMLAORO	Rd	West Pymble	Ku-Ring-Gai	80	2	Non-fatal	No or unknown	No or unknown	No or unknown	-33.762994	151.137171	1.3	S	Sunday	1720	Urban	Sealed	Passenger vehicle	45	Male
11/03/2009	659314	20	Head on	2-way undivided	Wet	Daylight	-	-	East	Unclassified road	NARLA	Rd	200	West	LENTARA	Rd	Bayview	Pittwater	4	Non-fatal	Yes	No or unknown	No or unknown	No or unknown	-33.659005	151.285822	0	C	Wednesday	1320	Urban	Sealed	Passenger vehicle	19	Female
11/03/2009	659320	20	Head on	2-way undivided	Wet	Daylight	-	1	North	Other classified road	CLARENCE	Way	5000	South	URBENVILLE	Tn	Urbenville	Kyogle	100	2	Non-fatal	No or unknown	No or unknown	No or unknown	-28.499652	152.570908	0	C	Wednesday	0950	Rural	Sealed	Passenger vehicle	49	Male
12/03/2009	659340	20	Head on	2-way undivided	Dry	Darkness	-	1	West	Other classified road	BANGALOW	Rd	500	East	JAMES GIBSON	Rd	Clunes	Byron0	100	3	Non-fatal	No or unknown	No or unknown	No or unknown	-28.742594	153.415175	0	S	Thursday	1730	Rural	Sealed	Passenger vehicle	62	Female
12/03/2009	659343	20	Head on	2-way undivided	Dry	Daylight	-	1	South	Unclassified road	ELLAM	Dr	150	North	MUNA	Cres	Seven Hills	Blacktown	50	2	Non-fatal	Yes	No or unknown	Yes	-33.787039	150.925887	0	S	Thursday	1800	Urban	Sealed	Passenger vehicle	19	Male
14/03/2009	659435	20	Head on	Divided road	Wet	Darkness	-	-	South	Other classified road	PITWATER	Rd	100	South	WARRIEWOOD	Rd	Warriewood	Pittwater	70	2	Non-fatal	No or unknown	No or unknown	No or unknown	-33.693111	151.303991	4.3	S	Saturday	2215	Urban	Sealed	Passenger vehicle	15	Male
02/02/2009	659552	20	Head on	2-way undivided	Dry	Daylight	-	-	East	Unclassified road	ODONNELLTOWN	Rd	5000	West	RAILWAY	St	West Wallend	Lake Macquarie	60	2	Non-fatal	No or unknown	No or unknown	No or unknown	-32.904100	151.555737	0	C	Monday	0830	Urban	Unsealed	Passenger vehicle	48	Male
02/03/2009	659629	20	Head on	2-way undivided	Dry	Daylight	-	1	East	Unclassified road	BROOKVALE	Ave	125	North	OLD PITWATER	Rd	Brookvale	Warringah	50	4	Non-fatal	No or unknown	No or unknown	No or unknown	-33.761925	151.269918	0	C	Monday	1720	Urban	Sealed	Passenger vehicle	Unk	Unknown
04/05/2009	659647	20	Head on	2-way undivided	Wet	Daylight	-	-	West	Other classified road	WAKELURST	Hwy	200	West	ELAMORA	Way	Elamora Height	Warringah	80	2	Fatal	Yes	No or unknown	Yes	-33.708638	151.281864	0	C	Monday	0730	Urban	Sealed	Passenger vehicle	53	Male
12/05/2009	659649	20	Head on	2-way undivided	Dry	Darkness	1	3	East	Other classified road	NUNDEE	Rd	1000	East	TROUGH GULLY	Rd	Dungunap	Tamworth Regional	100	3	Fatal	No or unknown	No or unknown	No or unknown	-31.196287	151.083249	0	C	Tuesday	1940	Urban	Sealed	Passenger vehicle	53	Male
12/03/2009	659763	20	Head on	2-way undivided	Wet	Daylight	-	-	West	Unclassified road	WILSONS CREEK	Rd	2000	West	COOLAMON SCENI	Dr	Wilsons Creek	Byron	100	2	Non-fatal	No or unknown	No or unknown	No or unknown	-28.569140	153.467751	0	C	Thursday	1130	Rural	Sealed	Passenger vehicle	24	Female
07/03/2009	659808	20	Head on	2-way undivided	Dry	Daylight	-	5	East	Unclassified road	TEVEN	Rd	800	West	TINTENBAR	Rd	Teven	Balina	100	4	Non-fatal	Yes	No or unknown	No or unknown	-28.809193	153.482773	0	C	Saturday	1310	Rural	Sealed	Passenger vehicle	18	Male
08/03/2009	659819	20	Head on	2-way undivided	Dry	Daylight	-	-	East	Unclassified road	BYRILL FOREST	Rd	240	East	MEBBIN FOREST	Rd	Byrill Creek	Tweed	100	2	Non-fatal	Yes													

01/01/2009	664955	20	Head on	2-way undivided	Dry	Daylight	-	8	South	State highway	PACIFIC	Hwy	500	North	RILEYS HILL	Rd	Rileys Hill	Richmond Valley	100	3	Non-fatal	No or unknown	No or unknown	-29.047770	153.391071	0	C	S	Thursday	1357	Rural	Sealed	Passenger vehicle	38	Male
11/04/2009	664999	20	Head on	2-way undivided	Dry	Daylight	-	-	North	Unclassified road	OLD PACIFIC	Hwy	695	South	PEATS RIDGE	Rd	Mooney Mooney	Gosford	100	2	Non-fatal	No or unknown	No or unknown	-33.432631	151.235966	0	C	Saturday	1000	Urban	Sealed	Motorcycle	39	Male	
20/04/2009	665158	20	Head on	2-way undivided	Dry	Daylight	-	-	North	Other classified road	OLYMPIC	Hwy	1000	North	URANA	St	The Rock	Lockhart	100	2	Non-fatal	Yes	Yes	-35.268738	147.130961	0	S	Monday	0800	Rural	Sealed	Passenger vehicle	30	Male	
02/04/2009	665392	20	Head on	2-way undivided	Wet	Daylight	-	-	East	Other classified road	EASTERN ARTERI	Ave	50	West	NICHOLSON	Ave	Ku-Ring-Gai	West Ryde	60	2	Non-fatal	No or unknown	No or unknown	-33.745936	151.168834	0	S	Thursday	1115	Urban	Sealed	Passenger vehicle	37	Female	
11/04/2009	665438	20	Head on	2-way undivided	Wet	Darkness	-	-	East	Unclassified road	CEMETERY	Rd	1000	West	BANGALOW	Rd	Byron Bay	Byron	2	Non-fatal	No or unknown	No or unknown	-28.660917	153.607111	0	C	Saturday	1730	Urban	Sealed	Passenger vehicle	67	Male		
18/04/2009	665502	20	Head on	2-way undivided	Dry	Daylight	-	1	North	Unclassified road	KENNEDY	Pde	100	South	UNCLAS	Rd	Lalor Park	Blacktown	50	2	Non-fatal	No or unknown	No or unknown	-33.765896	150.937738	0	C	Saturday	1730	Urban	Sealed	Motorcycle	Unk	Male	
20/04/2009	665540	20	Head on	2-way undivided	Dry	Darkness	-	1	East	Unclassified road	CUDDGEN	Rd	10	West	NUMBER 792	Hn	Cudgen	Tweed	2	Non-fatal	No or unknown	Yes	Yes	-28.263874	153.568828	0	C	Monday	1120	Urban	Sealed	Passenger vehicle	44	Male	
22/04/2009	665593	20	Head on	2-way undivided	Dry	Daylight	-	1	South	Unclassified road	LUCAS	Rd	540	North	HENRY LAWSON	Dr	East Hills	Bankstown	50	2	Non-fatal	Yes	Yes	-33.960833	150.992182	0	C	Wednesday	1130	Urban	Sealed	Passenger vehicle	18	Male	
23/04/2009	665598	20	Head on	2-way undivided	Wet	Daylight	-	-	North	Unclassified road	UNCLAS	Rd	300	West	UNCLAS	Rd	Wollongong	Wollongong	2	Non-fatal	No or unknown	No or unknown	-35.457162	150.211132	0	C	Monday	1132	Urban	Sealed	Passenger vehicle	24	Male		
27/04/2009	665675	20	Head on	2-way undivided	Dry	Daylight	-	1	West	State highway	SNOWY MOUNTAIN	Hwy	765	West	BUCKLEYS	Rd	Bemboka	Bega Valley	2	Non-fatal	Yes	No or unknown	-36.612548	149.49431	0	C	Monday	1250	Urban	Sealed	Motorcycle	24	Male		
30/04/2009	665785	20	Head on	2-way undivided	Wet	Darkness	-	-	West	Other classified road	WARNERS BAY	Rd	350	West	E K	Ave	Charlestown	Lake Macquarie	60	2	Non-fatal	Yes	No or unknown	-32.972601	151.683895	0	C	Thursday	1700	Urban	Sealed	Motorcycle	61	Male	
30/04/2009	665812	20	Head on	2-way undivided	Wet	Daylight	-	1	West	Unclassified road	BOUNDARY	Rd	120	East	WARATAH	St	Mortdale	Hurstville	50	3	Non-fatal	Yes	No or unknown	-33.976283	151.078536	0	C	Thursday	1500	Urban	Sealed	Passenger vehicle	21	Male	
01/05/2009	665824	20	Head on	2-way undivided	Dry	Daylight	-	-	North	Unclassified road	THE WATERMARK	Ms	40	North	CHAIN-O-PONDS	Cct	Narellan Vale	Camden	50	2	Non-fatal	No or unknown	Yes	-34.054920	150.751624	0	C	Friday	0815	Urban	Sealed	Passenger vehicle	41	Female	
01/05/2009	665861	20	Head on	2-way undivided	Dry	Daylight	-	-	East	Unclassified road	BUSHILLS RIDGE	Rd	70	West	DILLABIRRA	Rd	Wyee	Wyong	2	Non-fatal	No or unknown	No or unknown	-33.189947	151.482022	0	C	Friday	0820	Urban	Unsealed	Heavy vehicle	61	Male		
02/05/2009	665873	20	Head on	2-way undivided	Dry	Darkness	-	-	North	State highway	PACIFIC	Hwy	6000	North	TELEGRAPH POIN	Tn	Cooperabung	Port Macquarie-Hastin	100	2	Non-fatal	No or unknown	No or unknown	-31.280999	152.813755	0	S	Saturday	0340	Rural	Sealed	Passenger vehicle	42	Male	
02/05/2009	665902	20	Head on	2-way undivided	Dry	Daylight	-	1	West	State highway	ILLAWARRA	Hwy	300	West	COVER HILL	Rd	Macquarie Pass	Shellharbour	60	2	Non-fatal	No or unknown	No or unknown	-34.565437	150.664544	0	C	Saturday	1600	Urban	Sealed	Motorcycle	30	Male	
03/05/2009	665929	20	Head on	2-way undivided	Wet	Daylight	-	-	North	State highway	SANDGATE	Rd	1000	West	ASTRA	St	Shortland	Newcastle	60	2	Non-fatal	Yes	Yes	-32.875482	151.702143	0	C	Saturday	0635	Urban	Sealed	Passenger vehicle	57	Female	
05/05/2009	666016	20	Head on	2-way undivided	Dry	Daylight	-	-	North	Unclassified road	BLUE VALE	Rd	9725	North	KAMILLAROJ	Rd	Gunnedah	Gunnedah	100	2	Non-fatal	No or unknown	No or unknown	-30.859119	150.218654	0	C	Tuesday	1420	Rural	Sealed	Heavy vehicle	43	Male	
06/05/2009	666041	20	Head on	2-way undivided	Dry	Daylight	-	-	South	Unclassified road	WOLGAN	Rd	15000	North	CASTLEREAGH	Hwy	Wolgan Valley	Lithgow	2	Non-fatal	No or unknown	No or unknown	-33.280771	150.117485	0	C	Wednesday	0900	Rural	Unsealed	Heavy vehicle	54	Male		
10/04/2009	666109	20	Head on	2-way undivided	Dry	Daylight	-	1	South	Other classified road	THE LAKES	Way	1385	South	THE RUINS CAMP	Park	Tiona	Great Lakes	80	2	Non-fatal	Yes	No or unknown	-32.316925	152.516166	0	C	Friday	1300	Urban	Sealed	Motorcycle	38	Male	
15/04/2009	666137	20	Head on	Divided road	Dry	Daylight	-	2	East	State highway	PACIFIC	Hwy	100	East	FLOWERS	Dr	Catherine Hill	Lake Macquarie	2	Non-fatal	Yes	No or unknown	-33.131137	151.626805	0.7	C	Wednesday	1425	Urban	Sealed	Heavy vehicle	36	Male		
30/04/2009	666304	20	Head on	2-way undivided	Wet	Darkness	-	2	North	Other classified road	WANGI	Rd	200	East	SUMMERHILL	Dr	Wangi Wangi	Lake Macquarie	90	2	Non-fatal	No or unknown	No or unknown	-33.060522	151.562778	0	C	Thursday	0455	Urban	Sealed	Passenger vehicle	25	Male	
30/04/2009	666312	20	Head on	2-way undivided	Dry	Darkness	-	2	East	Other classified road	CARNLEY	Ave	170	East	GRINSELL	St	Kotara	Newcastle	70	3	Non-fatal	No or unknown	No or unknown	-32.940149	151.689967	0	C	Thursday	1820	Urban	Sealed	Passenger vehicle	45	Female	
04/05/2009	666401	20	Head on	2-way undivided	Dry	Darkness	-	-	North	Unclassified road	SEABROOK	Rd	3000	North	COATES	Rd	Hilltop	Wingecarriebe	60	2	Non-fatal	No or unknown	No or unknown	-34.309770	150.498047	0	C	Monday	1700	Urban	Unsealed	Passenger vehicle	26	Male	
04/05/2009	666406	20	Head on	2-way undivided	Dry	Daylight	-	-	South	Unclassified road	SUN VALLEY	Rd	185	North	GREAT WESTERN	Hwy	Sun Valley	Blue Mountains	2	Non-fatal	No or unknown	No or unknown	-33.712668	150.593867	0	C	Monday	0731	Urban	Sealed	Passenger vehicle	82	Female		
04/05/2009	666413	20	Head on	2-way undivided	Dry	Daylight	-	-	West	Unclassified road	ST LINGESSAY	Rd	1300	West	MURKIN CREEK	Stn	Leitchfield	Blue Mountains	100	2	Non-fatal	No or unknown	No or unknown	-33.640504	150.61415	0	C	Monday	1415	Rural	Unsealed	Passenger vehicle	24	Male	
04/05/2009	666415	20	Head on	2-way undivided	Dry	Daylight	-	2	South	Other classified road	THE LAKES	Way	100	South	RED OAK	Rd	Rainbow Flat	Greater Taree	90	2	Non-fatal	No or unknown	No or unknown	-32.058283	152.479675	0	C	Monday	1300	Rural	Sealed	Passenger vehicle	37	Female	
05/05/2009	666442	20	Head on	2-way undivided	Dry	Daylight	-	1	North	Unclassified road	WILLIAM	St	75	South	ROSE	St	Keiraville	Wollongong	50	2	Non-fatal	No or unknown	No or unknown	-34.418478	150.872406	0	C	Tuesday	1110	Urban	Sealed	Passenger vehicle	29	Male	
05/05/2009	666447	20	Head on	L-junction	Wet	Daylight	-	-	South	Other classified road	ALLANDEALE	St	0	AT	LAKE	Rd	Kearsley	Cessnock	60	2	Non-fatal	No or unknown	No or unknown	-32.860220	151.394235	0	C	Tuesday	0820	Urban	Sealed	Passenger vehicle	37	Male	
07/05/2009	666523	20	Head on	2-way undivided	Dry	Daylight	-	-	East	Unclassified road	LEMON TREE PAS	Rd	300	West	OYSTER COVE	Rd	Salt Ash	Port Stephens	2	Non-fatal	No or unknown	No or unknown	-32.758847	151.964304	0	S	Thursday	0950	Rural	Sealed	Passenger vehicle	49	Male		
09/05/2009	666643	20	Head on	2-way undivided	Dry	Darkness	-	-	West	Other classified road	RIVER	Rd	300	West	STANDISH	St	Greenwich	Lane Cove	50	3	Non-fatal	No or unknown	No or unknown	-33.825228	151.179650	0	C	Saturday	1905	Urban	Sealed	Passenger vehicle	27	Male	
10/05/2009	666706	20	Head on	2-way undivided	Dry	Daylight	-	4	West	Unclassified road	KIACATOO	Rd	3000	East	LACHLAN VALLEY	Way	Euabalong	Cobar	100	2	Non-fatal	Yes	Yes	-33.093629	146.504004	0	C	Sunday	1000	Rural	Unsealed	Heavy vehicle	21	Male	
11/05/2009	666718	20	Head on	2-way undivided	Dry	Darkness	-	1	North	Unclassified road	WHEELERS	Lane	100	South	MITCHELL	Hwy	Dubbo	Dubbo	50	2	Non-fatal	No or unknown	Yes	-32.258207	148.629100	9.5	S	Monday	2145	Urban	Sealed	Passenger vehicle	62	Male	
01/04/2009	666822	20	Head on	Divided road	Wet	Darkness	-	-	North	State highway	PACIFIC	Hwy	200	South	SOUTH	St	South Kempsey	Kempsey	80	2	Non-fatal	No or unknown	No or unknown	-31.102711	152.311938	3.5	C	Wednesday	1845	Urban	Sealed	Passenger vehicle	55	Male	
17/04/2009	666846	20	Head on	2-way undivided	Dry	Daylight	-	-	North	Other classified road	NARRABRI	Rd	15000	North	BINGARA	Rd	Bingara	Gwydir	100	2	Non-fatal	No or unknown	No or unknown	-29.925419	150.483253	0	C	Friday	1300	Rural	Unsealed	Motorcycle	Unk	Male	
18/04/2009	666906	20	Head on	2-way undivided	Dry	Daylight	-	-	North	Other classified road	HENRY LAWSON	Dr	320	North	CHEATLE	St	East Hills	Bankstown	60	2	Non-fatal	Yes	No or unknown	-33.953460	150.983875	0	C	Saturday	0600	Urban	Sealed	Passenger vehicle	33	Male	
19/04/2009	666914	20	Head on	2-way undivided	Wet	Daylight	-	-	West	Other classified road	BRONTE	Rd	30	West	LUGAR	St	Bronte	Waverley	50	2	Non-fatal	No or unknown	No or unknown	-33.903642	151.258642	1.2	C	Sunday	0940	Urban	Sealed	Passenger vehicle	24	Male	
24/04/2009	666960	20	Head on	2-way undivided	Wet	Darkness	-	1	West	Unclassified road	BALDALE	Rd	100	East	GUM SWAMP	Rd	Baldale	Greater Hume	100	2	Non-fatal	Yes	Yes	-35.914513	146.572285	0	S	Friday	1715	Rural	Sealed	Passenger vehicle	41	Female	
28/04/2009	667001	20	Head on	2-way undivided	Dry	Daylight	-	3	North	State highway	PACIFIC	Hwy	200	South	FLORENCE WILMO	Dr	Nambucca Heads	Nambucca	2	Non-fatal	No or unknown	Yes	Yes	-30.680420	152.972664	0	S	Tuesday	1630	Urban	Sealed	Passenger vehicle	28	Male	
04/05/2009	667089	20	Head on	2-way undivided	Dry	Daylight	-	2	East	State highway	BRUXNER	Hwy	100	West	ALPHADALE	State highway	Lismore	Lismore	80	2	Non-fatal	No or unknown	Yes	-28.810971	153.360648	3.5	C	Monday	1600	Urban	Sealed	Passenger vehicle	65	Male	
10/05/2009	667226	20	Head on	Divided road	Wet	Darkness	-	4	East	State highway	GREAT WESTERN	Hwy	100	West	KITCHENER	Rd	Leura	Blue Mountains	80	3	Non-fatal	Yes	No or unknown	-33.708199	150.346915	1.2	C	Sunday	1840	Urban	Sealed	Passenger vehicle	19	Female	
13/05/2009	667307	20	Head on	2-way undivided	Dry	Daylight	-	-	West	Other classified road	WOMBEGAN CAVE	Rd	3400	West	PIESANTIN GULLY	St	Bullio	Wingecarriebe	60	2	Non-fatal	No or unknown	No or unknown	-34.337867	150.109788	0	C	Wednesday	1510	Urban	Unsealed	Passenger vehicle	55	Male	
15/05/2009	667377	20	Head on	Divided road	Dry	Daylight	-	1	South	Unclassified road	MARGARAL	Rd	500	North	WYND	Rd	Wood Heads	Blue Mountains	60	2	Non-fatal	No or unknown	No or unknown	-33.181917	150.28958	1.8	C	Friday	1645	Urban	Sealed	Passenger vehicle	85	Male	
16/05/2009	667430	20	Head on	2-way undivided	Dry	Daylight	-	-	South	Unclassified road	LONG ANGLE	Rd	1000	North	RICHARD	Rd	Blue Rock	Blue Mountains	90	2	Non-fatal	No or unknown	No or unknown	-33.717655	150.823949	0	S	Saturday	1030	Urban	Unsealed	Motorcycle	Unk	Male	
17/05/2009	667448	20	Head on	2-way undivided	Dry	Darkness	-	-	North	Unclassified road	ARAUEN	Rd	0	AT	JEMBAJOMBENE	Ck	Braidwood	Palerang	90	2	Non-fatal	No or unknown	Yes	-35.533184	149.794602	0	S	Sunday	1710	Urban	Sealed	Heavy vehicle	24	Male	
18/05/2009	667517	20	Head on	Divided road	Dry																														

10/10/2009	678053	20	Head on	2-way undivided	Dry	Daylight	1	1	South	Other classified road	ABERCROMBIE	Rd	700	North	FELLED TIMBER	Rd	Porters Retreat	Oberon	100	2	Fatal	No or unknown	No or unknown	-34.014537	149.791449	0	C	Saturday	1130	Rural	Sealed	Passenger vehicle	51	Female
09/10/2009	678054	20	Head on	2-way undivided	Wet	Daylight	1	2	West	Unclassified road	BAYVIEW	St	0	AT	NUMBER 50	Hn	Warners Bay	Lake Macquarie	60	2	Fatal	No or unknown	Yes	-32.976610	151.653068	0	C	Friday	1105	Urban	Sealed	Passenger vehicle	87	Male
11/10/2009	678056	20	Head on	2-way undivided	Dry	Daylight	1	6	North	State highway	PACIFIC	Hwy	140	North	BURKES	Lane	Valla	Nambucca	100	2	Fatal	No or unknown	No or unknown	-30.580032	153.004466	0	C	Sunday	1320	Rural	Sealed	Passenger vehicle	56	Male
09/09/2009	678059	20	Head on	2-way undivided	Dry	Darkness	1	-	East	State highway	OXLEY	Hwy	200	West	CEMETERY	Ot	Burra Bee Dee	Warrumbungle	100	2	Fatal	No or unknown	No or unknown	-31.229609	149.347421	0	C	Wednesday	1920	Rural	Sealed	Heavy vehicle	49	Male
16/10/2009	678065	20	Head on	2-way undivided	Dry	Daylight	1	-	North	State highway	PACIFIC	Hwy	2000	North	HEARNES LAKE	Rd	Woolgoolga	Coffs Harbour	80	2	Fatal	No or unknown	Yes	-30.129730	153.193608	0	C	Friday	1315	Urban	Sealed	Passenger vehicle	52	Female
22/10/2009	678074	20	Head on	2-way undivided	Dry	Daylight	1	-	West	Other classified road	WELLINGTON	Rd	10000	East	GOOLMA	Tn	Goolma	Mid-Western Regional	100	2	Fatal	Yes	No or unknown	-32.407128	149.356993	0	C	Thursday	1030	Rural	Sealed	Heavy vehicle	22	Male
22/10/2009	678076	20	Head on	2-way undivided	Dry	Darkness	1	1	South	State highway	PACIFIC	Hwy	1000	West	SCOTTS HEAD	Rd	Macksville	Nambucca	100	4	Fatal	Yes	No or unknown	-30.734484	152.920301	0	S	Thursday	2305	Rural	Sealed	Passenger vehicle	21	Male
14/10/2009	678080	20	Head on	2-way undivided	Dry	Daylight	1	3	West	Unclassified road	BONG BONG	Rd	375	West	DAPTO RAILWAY	Sn	Dapto	Wollongong	60	2	Fatal	No or unknown	No or unknown	-34.492321	150.787600	0	C	Wednesday	2045	Urban	Sealed	Passenger vehicle	20	Female
23/03/2009	678138	20	Head on	2-way undivided	Dry	Daylight	1	-	East	State highway	PACIFIC	Hwy	100	East	BRANDON	Rd	Port Macquarie-Hastin	Port Macquarie-Hastin	20	2	Non-fatal	No or unknown	No or unknown	-32.458126	152.91780	0	C	Monday	1760	Urban	Sealed	Passenger vehicle	28	Male
19/06/2009	678170	20	Head on	2-way undivided	Dry	Daylight	-	-	West	Unclassified road	FORBES CREEK	Rd	2000	East	DANIEL	Lane	Hoskinstown	Palerang	100	2	Non-fatal	No or unknown	No or unknown	-35.434283	149.510802	0	C	Friday	1400	Rural	Unsealed	Motorcycle	46	Male
11/05/2009	678207	20	Head on	2-way undivided	Dry	Daylight	-	-	West	Other classified road	GEORGE DOWNS	Dr	750	East	BUCKETTY FIRE	Sn	Kulnura	Gosford	100	2	Non-fatal	No or unknown	Yes	-33.112573	151.148489	0	C	Monday	0720	Rural	Unsealed	Motorcycle	26	Male
30/06/2009	678294	20	Head on	2-way undivided	Dry	Darkness	-	-	West	Other classified road	GUYRA	Rd	4000	West	OLD MILL	Rd	Tingha	Inverell	100	2	Non-fatal	No or unknown	No or unknown	-29.919204	151.172454	0	C	Tuesday	1700	Rural	Sealed	Passenger vehicle	18	Male
05/08/2009	678363	20	Head on	2-way undivided	Dry	Daylight	-	-	South	Unclassified road	BELLEVUE	Rd	800	South	PARK	Lane	Bateau Bay	Wyang	60	2	Non-fatal	No or unknown	No or unknown	-33.394826	151.454557	0	S	Wednesday	1624	Urban	Sealed	Passenger vehicle	23	Male
08/08/2009	678396	20	Head on	2-way undivided	Dry	Daylight	-	-	South	Unclassified road	NINE MILE CREE	Rd	275	South	PACIFIC	Hwy	Twelve Mile Cr	Port Stephens	50	2	Non-fatal	Yes	No or unknown	-32.673087	151.827153	0	C	Saturday	1445	Urban	Unsealed	Motorcycle	19	Male
31/07/2009	678526	20	Head on	2-way undivided	Dry	Darkness	-	-	West	Other classified road	JAMBERO	Rd	300	West	FOUNTAINDALE	Rd	Jamberoo	Kiama	50	2	Non-fatal	Yes	No or unknown	-34.651569	150.794865	0	S	Friday	2300	Urban	Sealed	Passenger vehicle	21	Male
07/08/2009	678643	20	Head on	2-way undivided	Dry	Daylight	-	-	South	Unclassified road	BOOMERANG	Pl	90	North	LEWIS	Rd	Cambridge Gard	Ferrith	50	2	Non-fatal	No or unknown	No or unknown	-33.741109	150.78169	0	C	Friday	0830	Urban	Sealed	Heavy vehicle	35	Male
13/08/2009	678731	20	Head on	2-way undivided	Dry	Darkness	-	-	North	Unclassified road	CRESSNOOK	Rd	85	South	FIRS	St	Cressnock	Wingecarribee	60	2	Non-fatal	Yes	No or unknown	-32.815297	151.464000	0	C	Tuesday	1900	Urban	Sealed	Motorcycle	17	Male
11/08/2009	678758	20	Head on	Divided road	Wet	Daylight	-	-	East	Unclassified road	HURLEY	St	40	East	NARELLAN	Rd	Campbelltown	Wingecarribee	60	2	Non-fatal	No or unknown	Yes	-34.071871	150.806048	2.8	C	Tuesday	1030	Urban	Sealed	Passenger vehicle	25	Female
12/08/2009	678782	20	Head on	2-way undivided	Dry	Darkness	-	-	East	Unclassified road	URALBA	St	1000	East	BREWSTER	St	Lamore	Lamore	2	2	Non-fatal	No or unknown	No or unknown	-28.809516	153.286490	0	S	Wednesday	1728	Urban	Sealed	Motorcycle	22	Male
18/08/2009	678994	20	Head on	2-way undivided	Dry	Daylight	-	-	East	Unclassified road	NAMOI RIVER	Rd	2800	East	MANILLO	Tn	Halls Creek	Tamworth Regional	100	3	Non-fatal	Yes	No or unknown	-30.623260	150.896340	0	C	Tuesday	1435	Rural	Unsealed	Heavy vehicle	50	Male
21/08/2009	679042	20	Head on	2-way undivided	Dry	Daylight	-	-	North	State highway	PACIFIC	Hwy	1500	North	VINEY CREEK	Rd	Tea Gardens	Great Lakes	80	3	Non-fatal	No or unknown	Yes	-32.573880	152.129889	12	S	Friday	1130	Urban	Sealed	Passenger vehicle	53	Male
03/07/2009	679050	20	Head on	2-way undivided	Dry	Darkness	-	-	West	Unclassified road	WANG WAUK	Rd	270	East	LOT 242	Ot	Wang Wauk	Great Taree	70	2	Non-fatal	No or unknown	No or unknown	-32.160529	152.308001	0	C	Friday	1610	Urban	Unsealed	Heavy vehicle	Unk	Male
21/07/2009	679101	20	Head on	Divided road	Dry	Daylight	-	-	East	Other classified road	OLD SOUTH HEAD	Rd	50	West	VICTORIA	Rd	Bondi	Waverley	60	2	Non-fatal	No or unknown	Yes	-33.899033	151.257072	1.3	C	Tuesday	0945	Urban	Sealed	Heavy vehicle	20	Male
25/07/2009	679118	20	Head on	2-way undivided	Dry	Daylight	-	-	West	Other classified road	CANTERBURY	Rd	50	North	CHURCH	St	Canterbury	Canterbury	60	2	Non-fatal	Yes	No or unknown	-33.909326	151.123390	0	S	Saturday	0600	Urban	Sealed	Passenger vehicle	50	Male
30/07/2009	679141	20	Head on	2-way undivided	Dry	Daylight	-	-	North	Unclassified road	RIVER	Rd	0	AT	NUMBER 1073	Hn	Lower Portland	The Hills	60	2	Non-fatal	No or unknown	No or unknown	-33.425219	150.900370	0	C	Thursday	1400	Urban	Sealed	Passenger vehicle	57	Male
20/08/2009	679165	20	Head on	2-way undivided	Dry	Daylight	-	-	West	Other classified road	JOHN RENSHAW	Rd	300	West	CHURCH	Rd	Cressnock	Wingecarribee	60	2	Non-fatal	No or unknown	Yes	-33.287288	151.261173	0	S	Thursday	0715	Urban	Sealed	Passenger vehicle	47	Male
23/08/2009	679549	20	Head on	2-way undivided	Dry	Daylight	-	-	West	State highway	GREAT WESTERN	Hwy	300	West	GENEVIEVE	Rd	Bullaburra	Blue Mountains	80	2	Non-fatal	No or unknown	No or unknown	-33.724399	150.404522	0	C	Sunday	1430	Urban	Sealed	Passenger vehicle	46	Female
24/08/2009	679585	20	Head on	2-way undivided	Wet	Darkness	-	-	North	Unclassified road	YORK	Rd	215	South	BIRRELL	St	Bondi Junction	Waverley	60	2	Non-fatal	Yes	No or unknown	-33.896993	151.241080	1.2	C	Monday	1725	Urban	Sealed	Passenger vehicle	25	Female
26/08/2009	679655	20	Head on	2-way undivided	Dry	Daylight	-	-	East	Other classified road	RAYMOND TERRAC	Rd	1100	East	METFORD	Rd	East Maitland	Maitland	100	3	Non-fatal	No or unknown	No or unknown	-32.761984	151.616196	0	C	Wednesday	0620	Rural	Sealed	Passenger vehicle	24	Male
27/07/2009	679729	20	Head on	2-way undivided	Dry	Darkness	-	-	North	Other classified road	KIDMAN	Way	7000	North	DARLINGTON PT	Tn	Darlington Poi	Griffith	100	2	Non-fatal	No or unknown	No or unknown	-34.505774	146.090955	0	S	Monday	1840	Rural	Sealed	Heavy vehicle	35	Male
03/08/2009	679755	20	Head on	Dual freeway	Dry	Darkness	-	-	East	Freeway/motorway	M2 HILLS	Exp	500	East	CHRISTIE ROAD	Op	Macquarie Park	Griffith	80	2	Non-fatal	No or unknown	No or unknown	-33.772754	151.119500	3.2	C	Monday	1930	Urban	Sealed	Passenger vehicle	54	Male
07/08/2009	679782	20	Head on	2-way undivided	Wet	Darkness	-	-	West	State highway	PRINCES	Hwy	120	West	LATTAS PT	Rd	Batemans Bay	Eurobodalla	90	2	Non-fatal	No or unknown	Yes	-35.734333	150.166288	2.65	C	Friday	1830	Rural	Sealed	Passenger vehicle	25	Male
08/08/2009	679791	20	Head on	Divided road	Dry	Daylight	-	-	East	State highway	HUME	Hwy	95	East	HIGHLAND	Ave	Yagoona	Banksstown	60	3	Non-fatal	No or unknown	Yes	-33.907558	151.024968	1	S	Saturday	1346	Urban	Sealed	Passenger vehicle	27	Male
11/08/2009	679813	20	Head on	2-way undivided	Dry	Daylight	-	-	East	Other classified road	TARALGA	Rd	2000	West	MT RAE	Rd	Straithaird	Upper Lachlan	100	2	Non-fatal	Yes	No or unknown	-34.413827	149.717018	0	S	Tuesday	0800	Rural	Unsealed	Heavy vehicle	41	Male
12/08/2009	679823	20	Head on	2-way undivided	Dry	Daylight	-	-	North	Unclassified road	ILLAWARRA	Hwy	200	North	GOLDEN VALE	Rd	Sutton Forest	Wingecarribee	60	2	Non-fatal	No or unknown	No or unknown	-34.568729	150.320488	0	S	Wednesday	1721	Urban	Sealed	Passenger vehicle	64	Female
17/08/2009	679887	20	Head on	2-way undivided	Dry	Daylight	-	-	East	Other classified road	AVOCA	Dr	200	East	DAVISTOWN	Rd	Green Point	Penrith	60	2	Non-fatal	No or unknown	No or unknown	-33.463543	151.366939	0	S	Monday	1550	Urban	Sealed	Motorcycle	25	Male
24/08/2009	680058	20	Head on	2-way undivided	Wet	Daylight	-	-	East	Unclassified road	OLD BATHURST	Rd	200	West	RUSSELL	St	Emu Heights	Penrith	60	2	Non-fatal	No or unknown	No or unknown	-33.742640	150.652900	0	S	Monday	1420	Urban	Sealed	Passenger vehicle	53	Male
26/08/2009	680104	20	Head on	Divided road	Dry	Daylight	-	-	East	State highway	OXLEY	Hwy	200	West	MAHONY	Ave	Tamworth	Tamworth Regional	60	2	Non-fatal	No or unknown	Yes	-31.096964	150.908893	3.8	S	Wednesday	0922	Urban	Sealed	Passenger vehicle	84	Female
27/08/2009	680127	20	Head on	2-way undivided	Dry	Darkness	-	-	North	State highway	PACIFIC	Hwy	15000	South	GRAFTON	Tn	Glenujie	Clarence Valley	100	2	Non-fatal	No or unknown	No or unknown	-29.612346	153.032357	0	C	Thursday	0215	Rural	Sealed	Heavy vehicle	54	Male
29/08/2009	680167	20	Head on	2-way undivided	Dry	Daylight	-	-	North	Unclassified road	HAREFIELD	Rd	2800	South	WILLIAM	St	Junee	Junee	100	2	Non-fatal	No or unknown	Yes	-34.899134	147.570183	0	C	Saturday	1400	Rural	Sealed	Passenger vehicle	37	Female
01/09/2009	680284	20	Head on	2-way undivided	Dry	Daylight	-	-	East	Unclassified road	ANDERSON	Rd	200	East	GLENNING	Rd	Glennig Valley	Woy Woy	60	2	Non-fatal	No or unknown	Yes	-33.566518	151.427588	0	S	Tuesday	0645	Urban	Sealed	Passenger vehicle	44	Female
03/09/2009	680311	20	Head on	Divided road	Wet	Daylight	-	-	East	State highway	NEW ENGLAND	Hwy	200	East	CHURCH	St	Maitland	Maitland	60	2	Non-fatal	No or unknown	No or unknown	-32.739189	151.553384	6.75	C	Thursday	1455	Urban	Sealed	Passenger vehicle	18	Male
11/08/2009	680327	20	Head on	2-way undivided	Wet	Daylight	1	4	North	State highway	PACIFIC	Hwy	300	West	MT RAE	Rd	Stralghaird	Port Macquarie-Hastin	100	2	Fatal	No or unknown	No or unknown	-34.433671	150.713608	0	S	Monday	0800	Rural	Unsealed	Passenger vehicle	16	Male
30/10/2009	680530	20	Head on	2-way undivided	Dry	Daylight	-	-	South	Unclassified road	LADY GAY	Dr	200	South	HIGHFIELD	Rd	Lough Point	Knuffield	60	2	Fatal	No or unknown	No or unknown	-33.779333	151.151657	0	S	Friday	1630	Urban	Sealed	Motorcycle	44	Male
06/04/2009	680605	20	Head on	2-way undivided	Dry	Daylight	-	-	East	Unclassified road	THE BOULEVARDE	Ms	300	West	KING GEORGES	Rd	Wiley Park	Canterbury	50	2	Non-fatal	No or unknown	Yes	-33.923913	151.063554	0	C	Monday	1230	Urban	Sealed	Passenger vehicle	23	Female
01/04/2009	680628	20	Head on	Divided road																														

29/03/2010	697522	20	Head on	2-way undivided	Wet	Daylight	1	-	West	State highway	GREAT WESTERN	Hwy	150	East	STATION	St	Mt Victoria	Blue Mountains	80	2	Fatal	Yes	No or unknown	No or unknown	-33 591646	150 255855	0	C	Monday	1335	Urban	Sealed	Passenger vehicle	64	Female
01/04/2010	697525	20	Head on	2-way undivided	Dry	Daylight	1	1	East	Unclassified road	DARKES FOREST	Rd	2000	West	OLD PRINCES	Hwy	Darkest Forest	Wollongong	100	2	Fatal	No or unknown	No or unknown	-34 238615	150 923738	0	C	Thursday	1300	Urban	Sealed	Passenger vehicle	54	Female	
03/04/2010	697526	20	Head on	2-way undivided	Dry	Darkness	1	3	South	Other classified road	HENRY LAWSON	Dr	150	North	WEBSTER	St	Milperra	Bankstown	70	2	Fatal	Yes	No or unknown	No or unknown	-33 950340	150 981185	0	C	Saturday	1900	Urban	Sealed	Passenger vehicle	17	Male
16/08/2009	697548	20	Head on	2-way undivided	Wet	Daylight	-	2	South	Unclassified road	TALLOWOOD FLA	Rd	4000	South	DINGO TOPS	Rd	Caparra	Greater Taree	50	2	Non-fatal	No or unknown	Yes	-31 701847	152 205822	0	C	Sunday	1115	Urban	Unsealed	Motorcycle	46	Male	
12/12/2009	697601	20	Head on	2-way undivided	Dry	Darkness	-	1	East	Unclassified road	WST LYONS	Rd	100	West	WILLIAM	St	Five Dock	Canada Bay	60	2	Non-fatal	No or unknown	No or unknown	-33 864570	151 120655	0	C	Saturday	0148	Urban	Sealed	Passenger vehicle	25	Female	
18/12/2009	697621	20	Head on	2-way undivided	Wet	Darkness	-	2	South	Unclassified road	WERRINGTON	Rd	180	South	DUNHEVED	Rd	Werrington	Penrith	60	2	Non-fatal	No or unknown	No or unknown	-33 752252	150 759307	0	C	Friday	1720	Urban	Sealed	Passenger vehicle	29	Female	
29/12/2009	697655	20	Head on	2-way undivided	Dry	Daylight	-	2	North	Other classified road	HENRY LAWSON	Dr	100	South	DENMAN	Ave	Georges Hall	Bankstown	60	2	Non-fatal	No or unknown	No or unknown	-33 905453	150 981487	0	C	Tuesday	0620	Rural	Sealed	Passenger vehicle	81	Male	
03/12/2009	697739	20	Head on	2-way undivided	Dry	Darkness	-	1	North	State highway	MERRELL	Hwy	15000	South	GILGANORA	Tn	Ballaarua	Gilgandra	100	2	Non-fatal	No or unknown	No or unknown	-31 850002	148 544268	0	C	Thursday	2320	Rural	Sealed	Passenger vehicle	21	Male	
22/12/2009	697750	20	Head on	2-way undivided	Dry	Daylight	-	1	North	Unclassified road	MERRILL	Hwy	2000	North	MERRILL	St	Manlyvale	Manlyvale	60	2	Non-fatal	No or unknown	No or unknown	-33 922146	151 922146	0	C	Friday	0855	Urban	Sealed	Passenger vehicle	28	Male	
26/12/2009	697856	20	Head on	2-way undivided	Dry	Daylight	-	10	North	Unclassified road	PHOENIX PARK	Rd	4000	North	HINTON	Rd	Largs	Maitland	60	2	Non-fatal	No or unknown	Yes	-32 701597	151 811695	0	S	Saturday	1900	Urban	Sealed	Passenger vehicle	48	Male	
08/01/2010	697871	20	Head on	2-way undivided	Dry	Daylight	-	-	North	Unclassified road	STRATFORD	St	48	North	COWDROY	Ave	Cammeray	North Sydney	50	2	Non-fatal	No or unknown	No or unknown	-33 819152	151 219089	0	S	Friday	1750	Urban	Sealed	Passenger vehicle	19	Male	
15/01/2010	697890	20	Head on	2-way undivided	Dry	Daylight	-	2	West	State highway	STURT	Hwy	300	West	ELIZABETH	Ave	Forest Hill	Wagga Wagga	80	2	Non-fatal	No or unknown	Yes	-35 142950	147 455880	0	C	Friday	0650	Urban	Sealed	Passenger vehicle	53	Female	
21/01/2010	697901	20	Head on	2-way undivided	Dry	Daylight	-	3	West	Other classified road	SIR BERTRAM ST	Dr	0	AT	AULDLEY	Bdge	Royal National	Sutherland	60	2	Non-fatal	No or unknown	Yes	-34 073328	151 057109	0	C	Thursday	1630	Urban	Sealed	Passenger vehicle	30	Male	
06/01/2010	698057	20	Head on	2-way undivided	Dry	Daylight	-	2	West	Unclassified road	COULSON	St	40	West	MITCHELL	Rd	Erskineville	Sydney	50	2	Non-fatal	No or unknown	Yes	-33 906233	151 187749	0	C	Wednesday	0610	Urban	Sealed	Passenger vehicle	26	Male	
11/01/2010	698073	20	Head on	2-way undivided	Dry	Daylight	-	1	North	Other classified road	JAMBEROO	Rd	1250	South	JAMBEROO RECRE	Park	Jamberoo	Kiama	80	2	Non-fatal	No or unknown	No or unknown	-34 627188	150 777080	0	C	Monday	1710	Urban	Sealed	Motorcycle	25	Male	
24/01/2010	698183	20	Head on	Divided road	Wet	Darkness	-	1	West	State highway	GREAT WESTERN	Hwy	50	West	SLOANE	St	Summer Hill	Ashtfield	60	2	Non-fatal	No or unknown	No or unknown	-33 887198	151 141388	1	C	Sunday	0415	Urban	Sealed	Passenger vehicle	27	Male	
28/01/2010	698214	20	Head on	2-way undivided	Wet	Daylight	-	2	North	Other classified road	COFFS HARBOUR	Dr	1000	North	STADIUM	Dr	Coffs Harbour	Coffs Harbour	60	2	Non-fatal	No or unknown	Yes	-30 324815	153 099101	0	C	Tuesday	1700	Urban	Sealed	Passenger vehicle	41	Male	
28/01/2010	698247	20	Head on	2-way undivided	Wet	Daylight	-	-	South	Unclassified road	ARNCLIFFE	St	170	North	ALLEN	St	Rockdale	Rockdale	50	2	Non-fatal	No or unknown	No or unknown	-33 932416	151 149754	0	C	Thursday	1645	Urban	Sealed	Passenger vehicle	22	Male	
04/02/2010	698424	20	Head on	2-way undivided	Wet	Daylight	-	-	South	Other classified road	RIVER	Rd	30	North	NUMBER 1068	Hn	Lower Portland	The Hills	60	2	Non-fatal	No or unknown	No or unknown	-33 425107	150 899395	0	C	Thursday	1610	Urban	Sealed	Passenger vehicle	47	Male	
05/02/2010	698516	20	Head on	Divided road	Wet	Daylight	-	-	South	State highway	CUMBERLAND	Hwy	20	South	LOFTUS	Rd	Pennant Hills	Hornsby	70	3	Non-fatal	Yes	No or unknown	-33 740580	151 058426	2	C	Friday	1630	Urban	Sealed	Passenger vehicle	63	Male	
07/02/2010	698557	20	Head on	2-way undivided	Wet	Daylight	-	-	East	Unclassified road	STADIUM	Dr	540	West	HOGGIN	Dr	Coffs Harbour	Coffs Harbour	60	2	Non-fatal	Yes	No or unknown	-30 323666	153 093802	0	C	Sunday	0950	Urban	Sealed	Passenger vehicle	45	Female	
09/02/2010	698697	20	Head on	2-way undivided	Wet	Daylight	-	-	West	Other classified road	ALPINE	Way	1180	West	IVOS FARM	Way	Crackenback	Snowy River	100	2	Non-fatal	Yes	No or unknown	-36 454450	148 461845	0	C	Tuesday	1700	Rural	Sealed	Passenger vehicle	21	Male	
17/01/2010	698798	20	Head on	2-way undivided	Dry	Darkness	-	1	West	Other classified road	PITWATER	Rd	200	West	KING EDWARD	Ave	Bayview	Pittwater	50	2	Non-fatal	Yes	No or unknown	-33 659583	151 300232	0	C	Sunday	2030	Urban	Sealed	Motorcycle	20	Male	
27/01/2010	698886	20	Head on	2-way undivided	Dry	Daylight	-	1	North	Unclassified road	GOVERNOR MACQ	Dr	200	North	BARRY	Rd	Chipping Norto	Liverpool	50	2	Non-fatal	No or unknown	Yes	-33 915297	150 958607	0	C	Wednesday	0950	Urban	Sealed	Passenger vehicle	24	Male	
28/01/2010	698892	20	Head on	Divided road	Wet	Darkness	-	2	East	Other classified road	OLD WINDSOR	Rd	50	East	FITZWILLIAM	Rd	Old Toongabbie	Parramatta	60	3	Non-fatal	No or unknown	No or unknown	-33 786807	150 973402	3.8	S	Thursday	1620	Urban	Sealed	Passenger vehicle	18	Male	
28/01/2010	698908	20	Head on	2-way undivided	Wet	Daylight	-	-	North	Other classified road	STAMFORD	Rd	50	North	STAMFORD	Rd	Stamfield	Wollongong	60	2	Non-fatal	No or unknown	No or unknown	-33 869126	150 869126	0	C	Friday	0850	Urban	Sealed	Passenger vehicle	54	Male	
03/02/2010	698983	20	Head on	2-way undivided	Wet	Daylight	-	-	East	Other classified road	JENOLAN CAVES	Rd	5000	West	GREAT WESTERN	Hwy	Hartley	Lithgow	90	2	Non-fatal	Yes	No or unknown	-33 557143	150 129641	0	C	Wednesday	1945	Rural	Sealed	Passenger vehicle	18	Male	
03/02/2010	698986	20	Head on	Divided road	Wet	Daylight	-	2	South	Unclassified road	GLENMORE	Pkwy	150	South	KENNETH SLESSD	Dr	Glenmore Park	Penrith	50	2	Non-fatal	No or unknown	No or unknown	-33 780952	150 680846	5.2	C	Wednesday	0700	Urban	Sealed	Passenger vehicle	19	Male	
04/02/2010	698990	20	Head on	2-way undivided	Wet	Daylight	-	-	West	Unclassified road	GLENIFER	Rd	80	West	SUNSET RIDGE	Dr	Glenifer	Bellingen	100	2	Non-fatal	No or unknown	No or unknown	-30 443263	152 892848	0	C	Thursday	0830	Rural	Sealed	Heavy vehicle	52	Male	
06/02/2010	699070	20	Head on	2-way undivided	Wet	Daylight	-	3	East	State highway	GOLDEN	Hwy	6000	West	JERRYS PLAINS	Tn	Jerrys Plains	Singleton	60	2	Non-fatal	No or unknown	No or unknown	-32 456297	150 850511	0	S	Saturday	1626	Urban	Sealed	Passenger vehicle	19	Male	
07/02/2010	699090	20	Head on	2-way undivided	Wet	Daylight	-	-	South	Other classified road	OLD NORTHERN	Rd	450	North	WYOMING	Rd	Dural	The Hills	60	2	Non-fatal	Yes	No or unknown	-33 663876	151 026248	0	C	Sunday	0845	Urban	Sealed	Passenger vehicle	20	Female	
07/02/2010	699100	20	Head on	2-way undivided	Wet	Daylight	-	-	West	Other classified road	CANTERBURY	Rd	40	East	BERNA	St	Canterbury	Canterbury	60	2	Non-fatal	No or unknown	No or unknown	-33 913440	151 116632	0	C	Sunday	0620	Urban	Sealed	Passenger vehicle	56	Male	
07/02/2010	699110	20	Head on	2-way undivided	Wet	Daylight	-	-	East	Other classified road	GORDON	St	85	North	TRAFALGAR	St	Petersham	Marrickville	60	2	Non-fatal	No or unknown	No or unknown	-33 894237	151 150892	0	C	Sunday	2300	Urban	Sealed	Passenger vehicle	22	Male	
09/02/2010	699159	20	Head on	2-way undivided	Dry	Daylight	-	2	North	Unclassified road	FREEMANS	Dr	100	South	BEAUTY PT	Rd	Morisset	Lake Macquarie	60	2	Non-fatal	No or unknown	No or unknown	-33 099128	151 473308	0	S	Tuesday	1730	Urban	Sealed	Passenger vehicle	56	Male	
10/02/2010	699187	20	Head on	Divided road	Wet	Darkness	-	-	North	State highway	PRINCES	Rd	50	North	CABBAGE TREE C	Rd	Fairy Meadow	Wollongong	60	2	Non-fatal	No or unknown	No or unknown	-34 398051	150 894681	5.5	C	Wednesday	0230	Urban	Sealed	Motorcycle	19	Male	
12/02/2010	699261	20	Head on	2-way undivided	Wet	Darkness	-	-	North	Unclassified road	ALLAMBIE	Rd	40	North	KENTWELL	Rd	Allambie	Warrigah	50	2	Non-fatal	Yes	No or unknown	-33 775324	151 261622	0	C	Friday	1930	Urban	Sealed	Passenger vehicle	23	Female	
13/02/2010	699287	20	Head on	2-way undivided	Wet	Daylight	-	-	South	State highway	HUME	Hwy	560	North	MATES GULLY	Rd	Tarcutta	Wagga Wagga	50	2	Non-fatal	Yes	No or unknown	-35 279974	147 737133	0	S	Saturday	1430	Urban	Sealed	Passenger vehicle	23	Male	
13/02/2010	699291	20	Head on	Divided road	Wet	Daylight	-	2	East	Unclassified road	CHATHAM	Ave	100	East	OxLEY	St	Taree	Greater Taree	60	4	Non-fatal	Yes	Yes	-31 901852	152 478356	3.5	C	Saturday	1750	Urban	Sealed	Passenger vehicle	57	Male	
14/02/2010	699330	20	Head on	2-way undivided	Dry	Daylight	-	-	East	Unclassified road	STOCKYARD	Cct	50	West	HEREFORD	Ci	Wingham	Greater Taree	50	2	Non-fatal	Yes	No or unknown	-31 865512	152 358171	0	S	Sunday	1800	Urban	Sealed	Passenger vehicle	17	Male	
15/02/2010	699351	20	Head on	2-way undivided	Wet	Daylight	-	-	South	Unclassified road	BUNDEENA	Dr	1500	South	WOODFIELD	Ave	Bundeena	Sutherland	80	2	Non-fatal	Yes	No or unknown	-34 094067	151 133451	0	C	Monday	0720	Urban	Sealed	Passenger vehicle	45	Female	
17/01/2010	699445	20	Head on	2-way undivided	Wet	Daylight	-	2	North	Other classified road	OLD NORTHERN	Rd	400	South	SINGLETON	Rd	Wisemans Ferry	Hornsby	80	2	Non-fatal	Yes	No or unknown	-33 387964	150 985401	0	C	Sunday	1530	Urban	Sealed	Passenger vehicle	45	Male	
28/01/2010	699492	20	Head on	2-way undivided	Wet	Daylight	-	2	East	State highway	GOLDEN	Hwy	500	West	OGILVIES HILL	Gte	Denman	Muswellbrook	100	2	Non-fatal	Yes	No or unknown	-32 415407	150 750459	0	C	Thursday	1510	Rural	Sealed	Passenger vehicle	45	Male	
29/01/2010	699526	20	Head on	2-way undivided	Wet	Daylight	-	-	North	Other classified road	NEW ENGLAND	Rd	1000	North	STAFF	Rd	Coffes Camp	Lismore	80	2	Non-fatal	No or unknown	No or unknown	-33 864018	153 238105	0	S	Tuesday	1445	Urban	Sealed	Passenger vehicle	26	Female	
06/02/2010	699568	20	Head on	Divided road	Wet	Darkness	-	2	South	Other classified road	BURNS BAY	Rd	250	South	COPE	Rd	Lane Cove	Lane Cove	60	2	Non-fatal	No or unknown	No or unknown	-33 820583	151 150011	0.8	C	Saturday	2235	Urban	Sealed	Passenger vehicle	37	Male	
06/02/2010	699574	20	Head on	2-way undivided	Wet	Daylight	-	1	East	Other classified road	WAKEHURST	Pkwy	150	West	ELANORA	Rd	Elanora Heights	Pittwater	70	2	Non-fatal	No or unknown	No or unknown	-33 708668	151 282399	0	C	Saturday	0825	Urban	Sealed	Passenger vehicle			

22/03/2010	703249	20	Head on	2-way undivided	Dry	Darkness	-	2	East	Other classified road	HAWKESBURY	Rd	300	East	ROBERTS	Rd	Hawkesbury Hel	Blue Mountains	80	2	Non-fatal	Yes	No or unknown	-33.667449	150.850669	0	C	Monday	1838	Urban	Sealed	Motorcycle	37	Female	
23/03/2010	703280	20	Head on	2-way undivided	Dry	Daylight	-	-	East	Unclassified road	SCHOFFIELDS	Rd	300	West	ALEX	Ave	Schoffields	Blacktown	80	2	Non-fatal	No or unknown	Yes	-33.697647	150.884179	0	C	Tuesday	0910	Urban	Sealed	Passenger vehicle	35	Male	
24/03/2010	703301	20	Head on	2-way undivided	Dry	Daylight	-	-	South	Unclassified road	OLDBURY	Rd	1155	South	WINDLELA	Rd	Sutton Forest	Wingecarbee	80	2	Non-fatal	Yes	No or unknown	-34.540664	150.320005	0	C	Wednesday	1830	Urban	Sealed	Heavy vehicle	Unk	Unknown	
28/02/2010	703417	20	Head on	2-way undivided	Dry	Daylight	-	2	East	Unclassified road	BUDGONG	Rd	1000	West	DEMELLYS	Rd	Budgong	Shoalhaven	60	2	Non-fatal	Yes	Yes	-34.834511	150.481805	0	C	Sunday	1145	Urban	Unsealed	Motorcycle	15	Male	
01/03/2010	703419	20	Head on	Divided road	Wet	Daylight	-	-	East	Other classified road	NEW CANTERBURY	Rd	30	East	MELFORD	St	Hurstone Park	Canterbury	2	2	Non-fatal	No or unknown	No or unknown	-33.904968	151.130751	0	C	Monday	1130	Urban	Sealed	Passenger vehicle	26	Male	
07/03/2010	703459	20	Head on	2-way undivided	Wet	Daylight	-	-	South	Other classified road	ARMADALE	Rd	233	North	WIRIRI	Rd	Billys Creek	Clarence Valley	100	2	Non-fatal	No or unknown	No or unknown	-30.153267	152.588242	0	C	Sunday	1500	Rural	Sealed	Heavy vehicle	42	Male	
13/03/2010	703517	20	Head on	2-way undivided	Wet	Daylight	-	2	South	Unclassified road	PAROO	Rd	100	North	WATTLE TREE	Rd	Holgate	Gosford	60	2	Non-fatal	Yes	No or unknown	-33.401138	151.406393	0	C	Saturday	1150	Urban	Sealed	Passenger vehicle	23	Female	
13/03/2010	703540	20	Head on	Divided road	Dry	Daylight	-	1	East	State highway	GREAT WESTERN	Hwy	50	East	FERWENT	St	Glebe	Sydney	60	2	Non-fatal	No or unknown	No or unknown	-33.884734	151.191950	1	C	Monday	1188	Urban	Sealed	Passenger vehicle	21	Female	
18/03/2010	703549	20	Head on	2-way undivided	Wet	Darkness	-	-	West	State highway	NEWELL	Hwy	5000	North	NEWELL	Rd	Wedding	Wentworth	100	2	Non-fatal	No or unknown	No or unknown	-33.669173	151.047280	0	C	Thursday	0340	Urban	Sealed	Passenger vehicle	40	Male	
18/03/2010	703593	20	Head on	2-way undivided	Dry	Darkness	-	-	North	Other classified road	STAN COLLIE CA	Ms	500	South	GOLF COURSE	Rd	Barooja	Berrigan	2	2	Non-fatal	No or unknown	No or unknown	-35.915468	145.883388	0	C	Thursday	2110	Urban	Sealed	Passenger vehicle	21	Female	
19/03/2010	703615	20	Head on	2-way undivided	Dry	Daylight	-	-	East	Unclassified road	WENTWORTH	Rd	100	East	HORNE	St	Port Kembla	Wollongong	50	2	Non-fatal	No or unknown	No or unknown	-34.478408	150.898769	0	C	Friday	1420	Urban	Sealed	Passenger vehicle	48	Male	
24/03/2010	703678	20	Head on	2-way undivided	Dry	Daylight	-	1	North	Other classified road	LADY WAKEHURST	Dr	500	South	MCKELL	Ave	Royal National	Sutherland	151	029114	2	Non-fatal	Yes	No or unknown	-34.156356	151.029114	0	C	Wednesday	1745	Urban	Sealed	Motorcycle	44	Male
30/03/2010	703759	20	Head on	2-way undivided	Wet	Daylight	-	-	North	Unclassified road	BURWOOD	Rd	65	North	WILSON	Ave	Belmore	Canterbury	60	2	Non-fatal	Yes	No or unknown	-33.922569	151.090151	0	C	Tuesday	1000	Urban	Sealed	Heavy vehicle	42	Male	
19/05/2010	703782	20	Head on	Divided road	Wet	Daylight	1	1	North	State highway	PACIFIC	Hwy	72	North	TUREA	St	Blacksmiths	Lake Macquarie	60	2	Fatal	Yes	No or unknown	-33.078949	151.650642	3.6	C	Wednesday	0830	Urban	Sealed	Passenger vehicle	18	Female	
22/05/2010	703787	20	Head on	2-way undivided	Dry	Daylight	1	5	South	State highway	PACIFIC	Hwy	300	North	COOLAMON SCENI	Dr	Mcleods Shoot	Byron	100	3	Fatal	No or unknown	No or unknown	-28.654100	153.539262	1.8	C	Saturday	1105	Rural	Sealed	Passenger vehicle	54	Female	
22/05/2010	703788	20	Head on	2-way undivided	Dry	Daylight	1	-	South	Unclassified road	BRUSHBOX	Rd	2300	North	PACIFIC	Hwy	Eungai Rail	Nambucca	2	2	Fatal	Yes	No or unknown	-30.826249	152.913342	0	C	Saturday	1349	Rural	Unsealed	Motorcycle	20	Male	
11/10/2009	703805	20	Head on	2-way undivided	Wet	Daylight	-	2	West	State highway	GOLDEN	Hwy	740	East	LETTYBROOK	Rd	Upper Hunter	Kyogle	100	2	Non-fatal	No or unknown	No or unknown	-32.118032	150.198333	0	C	Sunday	1210	Rural	Sealed	Passenger vehicle	81	Female	
17/10/2009	703816	20	Head on	2-way undivided	Dry	Daylight	-	3	East	Unclassified road	WIANGAREE BACK	Rd	980	West	BAILLIES BRIDGE	Rd	West Wiangaree	Kyogle	100	2	Non-fatal	No or unknown	No or unknown	-28.584396	152.965641	0	C	Saturday	1320	Urban	Sealed	Passenger vehicle	18	Male	
18/12/2009	703831	20	Head on	2-way undivided	Wet	Daylight	-	-	West	Other classified road	BOLONG	Rd	78	West	BACK FOREST	Rd	Bolong	Shoalhaven	90	2	Non-fatal	No or unknown	No or unknown	-34.853733	150.677656	0	C	Friday	1230	Rural	Sealed	Passenger vehicle	21	Female	
22/03/2010	703959	20	Head on	2-way undivided	Dry	Daylight	-	-	South	Unclassified road	WEST PORTLAND	Rd	2488	West	SACKVILLE	Rd	Sackville	Hawkesbury	80	2	Non-fatal	No or unknown	No or unknown	-33.492411	150.868194	0	C	Monday	1010	Urban	Sealed	Passenger vehicle	34	Female	
25/03/2010	703986	20	Head on	2-way undivided	Dry	Daylight	-	-	West	Unclassified road	PACKER	Rd	1000	West	WEST PORTLAND	Rd	Blaxland Ridge	Hawkesbury	60	2	Non-fatal	No or unknown	No or unknown	-33.463844	150.838926	0	C	Thursday	1620	Urban	Unsealed	Passenger vehicle	63	Male	
25/03/2010	703987	20	Head on	2-way undivided	Dry	Daylight	-	-	South	State highway	PACIFIC	Hwy	50	South	SAPPHIRE	Cres	Sapphire Beach	Coffs Harbour	100	2	Non-fatal	No or unknown	No or unknown	-30.240855	153.145862	0	C	Thursday	1410	Rural	Sealed	Passenger vehicle	41	Female	
26/03/2010	704012	20	Head on	2-way undivided	Dry	Daylight	-	1	North	Unclassified road	GEORGE BASS	Dr	100	South	ROSEDALE	Rd	Rosedale	Eurobodalla	70	2	Non-fatal	Yes	No or unknown	-35.815891	150.219387	0	C	Friday	1545	Urban	Sealed	Heavy vehicle	41	Male	
27/03/2010	704058	20	Head on	2-way undivided	Dry	Daylight	-	2	West	Unclassified road	COOPERNOOK	Way	350	East	PIPECLAY CREEK	Rd	Mooraland	Greater Taree	80	2	Non-fatal	No or unknown	No or unknown	-31.756195	152.580949	0	C	Saturday	1742	Urban	Unsealed	Motorcycle	14	Male	
29/03/2010	704101	20	Head on	Divided road	Wet	Daylight	-	1	South	State highway	PRINCES	Hwy	10	North	TERMIER CREEK	Bdge	Termeer	Shoalhaven	100	4	Non-fatal	No or unknown	No or unknown	-35.485379	150.370857	0	C	Monday	1045	Rural	Sealed	Passenger vehicle	46	Female	
30/03/2010	704113	20	Head on	2-way undivided	Wet	Daylight	-	4	West	Unclassified road	SCHWENKLE	Rd	200	West	OLD STOCK ROUT	Rd	Wentworth	Hawkesbury	80	2	Non-fatal	No or unknown	No or unknown	-33.608136	150.3780	0	C	Monday	0340	Urban	Sealed	Passenger vehicle	40	Male	
30/03/2010	704114	20	Head on	2-way undivided	Wet	Daylight	-	-	North	Other classified road	OLD NORTHERN	Rd	390	South	RIVER	Rd	Wisemans Ferry	Hornsby	60	2	Non-fatal	No or unknown	No or unknown	-33.387688	150.985296	0	C	Tuesday	0955	Urban	Sealed	Heavy vehicle	45	Male	
30/03/2010	704127	20	Head on	2-way undivided	Wet	Daylight	-	-	North	Unclassified road	RANGE	Rd	1000	North	TOURIST	Rd	Glenquarry	Wingecarbee	60	2	Non-fatal	No or unknown	No or unknown	-34.513867	150.483197	0	C	Tuesday	1745	Urban	Sealed	Passenger vehicle	29	Female	
21/01/2010	704185	20	Head on	2-way undivided	Dry	Daylight	-	2	East	Other classified road	AVOCA	Dr	50	East	BALLOROK	Rd	Kincumber	Gosford	60	2	Non-fatal	No or unknown	Yes	-33.465772	151.398574	2.5	S	Thursday	1600	Urban	Sealed	Passenger vehicle	17	Male	
26/01/2010	704192	20	Head on	2-way undivided	Dry	Daylight	-	2	South	Unclassified road	BERNERA	Rd	75	North	KURRAJONG	Rd	Prestons	Liverpool	60	2	Non-fatal	No or unknown	Yes	-33.941510	150.867537	0	C	Tuesday	1530	Urban	Sealed	Passenger vehicle	23	Female	
18/02/2010	704254	20	Head on	2-way undivided	Dry	Daylight	-	2	West	Other classified road	EASTERN DORRIG	Way	2660	West	DANIELS	Way	Coramba	Coffs Harbour	60	2	Non-fatal	Yes	No or unknown	-30.220392	152.985201	0	C	Thursday	0955	Urban	Sealed	Motorcycle	30	Male	
18/02/2010	704255	20	Head on	2-way undivided	Dry	Daylight	-	1	East	Other classified road	CASTLE HILL	Rd	60	West	GLEN	Rd	Castle Hill	The Hills	60	2	Non-fatal	No or unknown	Yes	-33.731299	151.019640	0	S	Thursday	1255	Urban	Sealed	Passenger vehicle	21	Female	
18/02/2010	704256	20	Head on	2-way undivided	Dry	Daylight	-	1	North	State highway	NEWELL	Hwy	5000	North	WARRUMBUNGLES	Way	Coonabarabran	Warrumbungle	100	2	Non-fatal	No or unknown	Yes	-31.287251	149.285890	0	S	Thursday	1815	Rural	Sealed	Passenger vehicle	Unk	Unknown	
20/02/2010	704259	20	Head on	2-way undivided	Dry	Daylight	-	1	West	Unclassified road	THE RIDGEWAY	Ms	250	West	KOORIN	Rd	Tumby Umbi	Wyong	50	2	Non-fatal	Yes	No or unknown	-33.397334	151.437397	0	C	Saturday	0730	Urban	Sealed	Motorcycle	54	Male	
24/02/2010	704273	20	Head on	2-way undivided	Dry	Daylight	-	-	West	State highway	STURT	Hwy	16000	East	ALFORD TOWN	Tr	Bombala	Wagga Wagga	100	2	Non-fatal	Yes	No or unknown	-35.176405	150.492321	0	C	Wednesday	1430	Rural	Sealed	Passenger vehicle	84	Male	
13/03/2010	704379	20	Head on	2-way undivided	Wet	Darkness	-	-	South	Unclassified road	WARRIEWOOD	Rd	140	South	ALAMEDA	Way	Warriewood	Pitwater	50	2	Non-fatal	No or unknown	No or unknown	-33.688349	151.301092	0	C	Saturday	1930	Urban	Sealed	Passenger vehicle	18	Female	
24/03/2010	704550	20	Head on	2-way undivided	Dry	Daylight	-	-	North	Other classified road	CULLEN	St	100	South	THORBURN	St	Nimbin	Lismore	50	3	Non-fatal	No or unknown	No or unknown	-28.594475	153.225207	0	C	Wednesday	1500	Urban	Sealed	Passenger vehicle	48	Female	
27/03/2010	704630	20	Head on	2-way undivided	Dry	Darkness	-	-	South	Unclassified road	MANN	St	50	North	BROADVIEW	Ave	Gosford	Gosford	60	2	Non-fatal	Yes	No or unknown	-33.431736	151.340932	0	C	Saturday	2145	Urban	Sealed	Passenger vehicle	24	Male	
30/03/2010	704711	20	Head on	2-way undivided	Wet	Daylight	-	-	North	Unclassified road	MACDONALDS	Rd	800	South	TUGGERAH	St	Lisarong	Gosford	60	2	Non-fatal	Yes	No or unknown	-33.385940	151.379746	0	C	Tuesday	1450	Urban	Sealed	Passenger vehicle	52	Male	
30/03/2010	704715	20	Head on	2-way undivided	Wet	Daylight	-	1	East	Unclassified road	CARTWRIGHT	Ave	25	East	DALKEITH	St	Miller	Liverpool	50	2	Non-fatal	Yes	No or unknown	-33.9141											

06/05/2010	710030	20	Head on	2-way undivided	Dry	Darkness	-	2	East	Unclassified road	LEMON TREE PAS	Rd	200	East	BLANCHARD	St	Lemon Tree Pas	Port Stephens	50	2	Non-fatal	No or unknown	Yes	-32.733696	152.029395	0	C	Thursday	1910	Urban	Sealed	Passenger vehicle	24	Female
08/05/2010	710096	20	Head on	2-way undivided	Wet	Daylight	-	-	South	Unclassified road	GRADYS CREEK	Rd	350	North	CEDARSGETTERS	Rd	The Risk	Kyogle	100	2	Non-fatal	Yes	No or unknown	-28.429139	152.967701	0	C	Saturday	1455	Rural	Sealed	Passenger vehicle	25	Female
09/05/2010	710100	20	Head on	2-way undivided	Dry	Daylight	-	3	West	Unclassified road	THE COMENARRA	Pkwy	200	East	FOX VALLEY	Rd	Fox Valley	Ku-Ring-Gai	60	2	Non-fatal	No or unknown	Yes	-33.736208	151.102210	0	S	Sunday	1514	Urban	Sealed	Passenger vehicle	29	Male
10/05/2010	710132	20	Head on	2-way undivided	Dry	Daylight	-	-	East	Unclassified road	NEIL	St	100	West	PITT	St	Merrylands	Holroyd	50	2	Non-fatal	No or unknown	No or unknown	-33.833635	150.991125	0	S	Monday	1540	Urban	Sealed	Passenger vehicle	28	Male
11/05/2010	710138	20	Head on	L-junction	Dry	Darkness	-	-	West	Unclassified road	GOSSAMER	St	0	AT	WASHINGTON	Dr	Leeton	Leeton	2	2	Non-fatal	No or unknown	No or unknown	-34.547751	146.377428	0	C	Tuesday	1710	Urban	Sealed	Passenger vehicle	18	Male
12/05/2010	710206	20	Head on	2-way undivided	Dry	Daylight	-	-	West	Unclassified road	SUTTIE	Rd	115	East	MANNING	Rd	Bellevue Hill	Woollahra	50	2	Non-fatal	No or unknown	No or unknown	-33.866025	151.247530	0	C	Wednesday	0955	Urban	Sealed	Passenger vehicle	46	Male
13/05/2010	710236	20	Head on	2-way undivided	Wet	Darkness	-	1	South	State highway	PRINCES	Hwy	100	North	AMARAL	Ave	Dapto	Wollongong	60	2	Non-fatal	Yes	No or unknown	-34.510655	150.785912	0	C	Thursday	1845	Urban	Sealed	Heavy vehicle	18	Male
17/05/2010	710410	20	Head on	2-way undivided	Dry	Daylight	-	-	South	State highway	NEWELL	Hwy	100	South	KAMILLAROI	Hwy	Narrabri	Narrabri	50	2	Non-fatal	No or unknown	No or unknown	-30.346844	149.760347	0	S	Monday	1450	Urban	Sealed	Passenger vehicle	Unk	Unknown
17/05/2010	710453	20	Head on	2-way undivided	Wet	Darkness	-	-	South	Other classifed road	WILKINSON	Way	50	West	SMITH	Way	Other classifed road	WATERLOO	50	2	Non-fatal	No or unknown	No or unknown	-33.787887	151.180237	0	C	Monday	1805	Urban	Sealed	Passenger vehicle	64	Male
18/05/2010	710455	20	Head on	Divided road	Wet	Daylight	-	-	East	Other classifed road	OLD WINDSOR	Rd	50	West	FAULKNER	St	Toongabbie	Parramatta	70	2	Non-fatal	No or unknown	No or unknown	-33.787700	150.974598	3.7	S	Tuesday	0640	Urban	Sealed	Passenger vehicle	18	Male
27/04/2010	710616	20	Head on	2-way undivided	Dry	Daylight	-	2	North	Other classifed road	WINDSOR	Rd	100	North	MARTHA	Ave	Northmead	The Hills	60	2	Non-fatal	No or unknown	No or unknown	-33.783804	150.996174	0	S	Tuesday	1442	Urban	Sealed	Passenger vehicle	26	Male
07/05/2010	710710	20	Head on	2-way undivided	Dry	Daylight	-	3	North	Other classifed road	KING	St	400	North	WALKER	St	Warners Bay	Lake Macquarie	60	2	Non-fatal	No or unknown	Yes	-32.970180	151.650798	0	S	Friday	1000	Urban	Sealed	Passenger vehicle	18	Male
14/05/2010	710848	20	Head on	Divided road	Dry	Daylight	-	-	South	State highway	GREAT WESTERN	Hwy	400	North	CARROLL	Dr	Hartley	Lithgow	90	2	Non-fatal	No or unknown	No or unknown	-33.545792	150.179734	3	S	Friday	0630	Rural	Sealed	Passenger vehicle	25	Male
15/05/2010	710874	20	Head on	2-way undivided	Dry	Daylight	-	1	North	Unclassified road	STH ISLAND LOO	Rd	500	South	MT BROWNE	Rd	Upper Orara	Coffs Harbour	80	2	Non-fatal	No or unknown	No or unknown	-30.297729	153.020008	0	C	Saturday	1255	Urban	Sealed	Motorcycle	18	Male
16/05/2010	710899	20	Head on	2-way undivided	Dry	Darkness	-	-	West	Unclassified road	MAITLAND VALE	Rd	2000	West	PATERSON	Rd	Maitland Vale	Coffs Harbour	80	2	Non-fatal	No or unknown	No or unknown	-32.679637	151.565078	0	S	Sunday	1630	Urban	Sealed	Passenger vehicle	28	Male
18/05/2010	710948	20	Head on	2-way undivided	Wet	Darkness	-	-	West	Unclassified road	RAVENHILL	Rd	200	East	THE COMENARRA	Pkwy	South Turramurra	Ku-Ring-Gai	50	2	Non-fatal	No or unknown	No or unknown	-33.751866	151.118559	0	C	Tuesday	2001	Urban	Sealed	Passenger vehicle	38	Female
18/05/2010	710951	20	Head on	2-way undivided	Wet	Darkness	-	-	South	Unclassified road	TORONTO	Pde	40	South	THE BOULEVARDE	Ms	Jerrall	Sutherland	50	2	Non-fatal	No or unknown	No or unknown	-34.024144	151.063238	0	C	Tuesday	1700	Urban	Sealed	Passenger vehicle	33	Male
18/05/2010	710984	20	Head on	2-way undivided	Wet	Darkness	-	-	South	State highway	PACIFIC	Hwy	1000	North	GREAT NORTH	Rd	Bellimbopinni	Kempsey	100	2	Non-fatal	No or unknown	No or unknown	-31.029508	152.886675	0	C	Tuesday	2030	Rural	Sealed	Heavy vehicle	45	Male
19/05/2010	711014	20	Head on	2-way undivided	Dry	Darkness	-	1	North	State highway	BARTON	Hwy	100	South	MCMINTOSH	Cct	Murrumbateman	Yass Valley	100	2	Non-fatal	No or unknown	Yes	-34.995588	149.023577	0	S	Wednesday	0540	Rural	Sealed	Passenger vehicle	18	Female
20/05/2010	711061	20	Head on	2-way undivided	Dry	Daylight	-	-	South	Unclassified road	BOWDEN	St	200	South	MCEVOY	St	Alexandria	Sydney	50	2	Non-fatal	No or unknown	No or unknown	-33.904789	151.196386	0	S	Thursday	1500	Urban	Sealed	Passenger vehicle	45	Male
22/05/2010	711153	20	Head on	2-way undivided	Dry	Daylight	-	-	North	Unclassified road	BOBEYAN	Rd	200	North	SHANNONS FLAT	Rd	Shannons Flat	Cooma-Monaro	80	2	Non-fatal	No or unknown	No or unknown	-35.928607	148.953268	0	C	Saturday	0920	Urban	Unsealed	Heavy vehicle	27	Male
22/05/2010	711175	20	Head on	2-way undivided	Dry	Daylight	-	-	North	Unclassified road	KENTHURST	Rd	215	South	ANNANGROVE	Rd	Kenthurst	The Hills	60	3	Non-fatal	No or unknown	No or unknown	-33.683612	151.011773	0	C	Saturday	0735	Urban	Sealed	Passenger vehicle	21	Male
25/05/2010	711294	20	Head on	2-way undivided	Wet	Daylight	-	-	North	Unclassified road	COOKS HILL	Rd	4295	North	DISCOVERY	Dr	Yass	Yass Valley	100	2	Non-fatal	No or unknown	No or unknown	-34.790547	148.939891	0	C	Tuesday	0945	Rural	Sealed	Heavy vehicle	18	Male
26/05/2010	711317	20	Head on	2-way undivided	Wet	Daylight	-	1	West	Other classifed road	HEATHCOTE	Rd	1680	East	NEW ILLAWARRA	Rd	Lucas Heights	Sutherland	70	2	Non-fatal	Yes	No or unknown	-34.058685	150.987801	0	C	Wednesday	1450	Urban	Sealed	Heavy vehicle	42	Male
24/04/2010	711444	20	Head on	2-way undivided	Dry	Daylight	-	-	North	Unclassified road	ST HELENA	Rd	3000	South	PACIFIC	Hwy	Mcleods Shoot	Byron	80	2	Non-fatal	No or unknown	No or unknown	-38.665356	153.569890	0	C	Saturday	1040	Urban	Unsealed	Passenger vehicle	18	Male
27/04/2010	711430	20	Head on	2-way undivided	Dry	Daylight	-	-	South	Other classifed road	WILKINSON	Way	50	West	OXFORD FALLS	Rd	Warrigah	Clarence Valley	80	2	Non-fatal	No or unknown	No or unknown	-33.732575	152.412427	0	C	Monday	0830	Urban	Sealed	Passenger vehicle	204	Male
28/04/2010	711440	20	Head on	2-way undivided	Dry	Daylight	-	2	West	Unclassified road	OLD GLEN INNES	Rd	30000	East	NEWTON BOYD	Tn	Dalmonton	Clarence Valley	100	2	Non-fatal	No or unknown	No or unknown	-29.832417	152.414247	0	C	Wednesday	0930	Rural	Unsealed	Heavy vehicle	56	Male
20/05/2010	711649	20	Head on	Divided road	Dry	Daylight	-	2	North	State highway	HUME	Hwy	200	South	KURRAJONG	Rd	Casula	Liverpool	70	2	Non-fatal	No or unknown	No or unknown	-33.951630	150.902964	4.5	S	Thursday	1155	Urban	Sealed	Passenger vehicle	42	Female
21/05/2010	711673	20	Head on	2-way undivided	Wet	Darkness	-	-	East	Unclassified road	OXLEY	Ave	50	East	RIVERSIDE	Dr	Kiama Downs	Kiama	50	2	Non-fatal	No or unknown	No or unknown	-34.639277	150.850277	0	C	Friday	1945	Urban	Sealed	Passenger vehicle	23	Male
23/05/2010	711718	20	Head on	2-way undivided	Dry	Daylight	-	-	North	Unclassified road	BRUSH CREEK	Rd	26	South	WALKERS RIDGE	Rd	Cedar Brush Cr	Wyong	2	2	Non-fatal	No or unknown	No or unknown	-33.130962	151.218358	0	C	Sunday	1150	Urban	Unsealed	Passenger vehicle	64	Male
26/05/2010	711830	20	Head on	2-way undivided	Dry	Daylight	-	1	East	State highway	OXLEY	Hwy	750	West	ROSEWOOD	Rd	Rosewood	Port Macquarie-Hastin	100	2	Non-fatal	No or unknown	No or unknown	-31.477143	152.677541	0	C	Wednesday	1450	Rural	Sealed	Motorcycle	38	Male
26/05/2010	711851	20	Head on	2-way undivided	Wet	Daylight	-	-	West	Other classifed road	CHIFFLEY	Rd	45000	UNK	EVELYN	St	Clarence	Lithgow	60	2	Non-fatal	Yes	No or unknown	-33.483718	150.206653	0	C	Wednesday	0736	Urban	Sealed	Passenger vehicle	51	Female
29/05/2010	712033	20	Head on	Divided road	Wet	Daylight	-	-	South	State highway	PACIFIC	Hwy	50	South	WAKELANDS	Rd	Sapphire Beach	Coffs Harbour	100	2	Non-fatal	No or unknown	No or unknown	-30.218228	153.146171	5	S	Saturday	0945	Rural	Sealed	Passenger vehicle	45	Female
31/05/2010	712086	20	Head on	2-way undivided	Wet	Daylight	-	-	South	Unclassified road	PALOMAR	Pde	50	South	FRS	Ave	Toukley	Wyong	50	2	Non-fatal	No or unknown	No or unknown	-33.201191	151.549802	0	C	Monday	1150	Urban	Sealed	Passenger vehicle	22	Female
31/05/2010	712092	20	Head on	2-way undivided	Wet	Daylight	-	-	South	Unclassified road	SAYWELL	St	200	South	MACQUARIE FIEL	Rd	Macquarie Field	Macquarie	50	2	Non-fatal	No or unknown	No or unknown	-33.997545	151.549802	0	C	Monday	1515	Urban	Sealed	Passenger vehicle	50	Male
03/06/2010	712179	20	Head on	2-way undivided	Wet	Daylight	-	1	South	Other classifed road	WANGI	Rd	290	South	DORRINGTON	Rd	Rathmines	Lake Macquarie	80	2	Non-fatal	No or unknown	No or unknown	-33.038009	151.564350	0	S	Thursday	0725	Urban	Sealed	Passenger vehicle	18	Male
06/04/2010	712203	20	Head on	2-way undivided	Wet	Darkness	-	-	East	Other classifed road	BELLS LINE OF	Rd	150	West	HERMITAGE	Rd	Kurrajong Hill	Hawkesbury	60	2	Non-fatal	No or unknown	Yes	-33.541944	150.644023	0	C	Tuesday	1645	Urban	Sealed	Passenger vehicle	69	Female
16/04/2010	712223	20	Head on	2-way undivided	Wet	Darkness	-	-	Unknown	State highway	PACIFIC	Hwy	620	South	FIDDAMAN	Rd	Emerald Beach	Coffs Harbour	100	2	Non-fatal	No or unknown	No or unknown	-30.169902	153.175624	0	S	Friday	1700	Rural	Sealed	Heavy vehicle	30	Male
24/04/2010	712242	20	Head on	2-way undivided	Dry	Darkness	-	1	North	State highway	PACIFIC	Hwy	775	North	PLUMMERS	Lane	Clybuca	Kempsey	3	3	Non-fatal	No or unknown	Yes	-30.949619	152.951416	0	C	Saturday	0025	Rural	Sealed	Passenger vehicle	33	Male
30/04/2010	712266	20	Head on	2-way undivided	Wet	Daylight	-	-	South	Unclassified road	VICTORIA	Rd	72	North	MYRTLE	St	Marrickville	Marrickville	50	2	Non-fatal	No or unknown	No or unknown	-33.914370	151.156664	0	C	Friday	0915	Urban	Sealed	Passenger vehicle	28	Male
30/04/2010	712267	20	Head on	2-way undivided	Wet	Darkness	-	-	South	Other classifed road	GREAT NORTH	Rd	1160	South	WINE BAR	Ol	Laguna	Cessnock	80	2	Non-fatal	No or unknown	No or unknown	-32.997250	151.122743	0	C	Friday	1755	Urban	Sealed	Passenger vehicle	Unk	Female
05/05/2010	712362	20	Head on	2-way undivided	Dry	Daylight	-	2	West	State highway	MITCHELL	Hwy	350	West	AMAROO	Rd	Molong	Cannonbe	100	2	Non-fatal	No or unknown	No or unknown	-32.127252	148.906377	0	C	Saturday	1615	Rural	Sealed	Passenger vehicle	42	Male
08/05/2010	712380	20	Head on	2-way undivided	Dry	Daylight	-	2	North	Other classifed road	FIRST REEF	Rd	50	North	CAROLINE	Rd	Milburne	Blayney	100	2	Non-fatal	No or unknown	No or unknown	-33.453428	149.091000	0	C	Monday	1130	Urban	Sealed	Passenger vehicle	50	Male
20/05/2010	712414	20	Head on	2-way undivided	Dry	Daylight	-	-	North	Other classifed road	THE BOULEVARDE	Ms	50	North	WEST WOODSIDE	Rd	Strathfield	Wyong	50	2	Non-fatal	No or unknown	No or unknown	-33.879250	151.092954	0	C	Thursday	1125	Urban	Sealed	Passenger vehicle	57	Male
21/05/2010	712434	20	Head on	2-way undivided	Wet	Daylight	-	1	North	Unclassified road	WILSONS CREEK	Rd	4000	West	COOLAMON SCENI	Dr	Mullumbimby	Byron	80	2	Non-fatal	No or unknown	No or unknown	-28.574153	153.450379	0	C							

11/06/2010	716846	20	Head on	2-way undivided	Dry	Daylight	-	1	West	Unclassified road	DESBOROUGH	Rd	30	East	KENNELLY	St	Colyton	Pennith	50	2	Non-fatal	No or unknown	No or unknown	-33.783998	150.797764	0	S	Friday	0920	Urban	Sealed	Passenger vehicle	37	Female	
30/06/2010	716844	20	Head on	Divided road	Dry	Daylight	-	1	West	Other classified road	THE HORSLEY	Dr	50	West	RENNIE	Yes	Wetherill Park	Farfield	70	2	Non-fatal	No or unknown	No or unknown	-33.853194	150.887039	9	C	Wednesday	1430	Urban	Sealed	Passenger vehicle	73	Female	
01/07/2010	716891	20	Head on	2-way undivided	Dry	Daylight	-	1	North	Unclassified road	CYGNET	Rd	400	North	KINGSFORD SMIT	Dr	Berkeley Vale	Wyong	60	4	Non-fatal	Yes	No or unknown	-33.324448	151.431900	0	C	Thursday	1530	Urban	Sealed	Passenger vehicle	35	Male	
04/07/2010	717035	20	Head on	2-way undivided	Dry	Daylight	-	2	South	Other classified road	CAMPBELLTOWN	Rd	0	AT	HUME HIGHWAY	Op	Ingleburn	Campbelltown	70	2	Non-fatal	No or unknown	Yes	-34.001638	150.839879	0	C	Sunday	0800	Urban	Sealed	Passenger vehicle	18	Female	
04/07/2010	717043	20	Head on	2-way undivided	Wet	Darkness	-	2	North	Unclassified road	STONY CHUTE	Rd	950	North	STANGER	Rd	Stony Chute	Lismore	80	2	Non-fatal	No or unknown	Yes	-28.577525	153.154935	0	C	Sunday	1830	Urban	Sealed	Passenger vehicle	Unk	Male	
04/07/2010	717057	20	Head on	2-way undivided	Wet	Daylight	-	2	South	Unclassified road	BALD HILL FIRE	Ms	1900	South	PALERANG FIRE	Ms	Rossi	Palerang	100	2	Non-fatal	No or unknown	No or unknown	-35.480643	149.545670	0	C	Sunday	1210	Rural	Unsealed	Motorcycle	29	Male	
05/07/2010	717070	20	Head on	2-way undivided	Dry	Daylight	-	2	North	Other classified road	OLYMPIC	Hwy	400	North	BOUNDARY	Rd	Cowra	Cowra	60	2	Non-fatal	No or unknown	Yes	-33.848957	148.866830	0	S	Monday	1520	Urban	Sealed	Passenger vehicle	44	Male	
05/07/2010	717250	20	Head on	2-way undivided	Dry	Darkness	-	2	North	Unclassified road	WODJEBURY	Rd	200	North	ANDERSON	Dr	Tarro	Newcastle	50	2	Non-fatal	Yes	Yes	-32.805882	151.698638	0	S	Monday	1800	Urban	Sealed	Passenger vehicle	20	Male	
05/07/2010	717260	20	Head on	2-way undivided	Dry	Darkness	-	2	North	Unclassified road	BRUNKREK	Rd	200	North	ASHBY	Rd	Yaopona	Yaopona	50	2	Non-fatal	No or unknown	No or unknown	-33.897174	151.880	0	C	Monday	1850	Urban	Sealed	Passenger vehicle	26	Male	
05/07/2010	717267	20	Head on	2-way undivided	Wet	Darkness	-	2	North	Other classified road	BARRENJOEY	Rd	75	South	OLD BARRENJOEY	Rd	Avalon	Pittwater	60	2	Non-fatal	No or unknown	No or unknown	-33.643263	151.327549	0	C	Monday	1855	Urban	Sealed	Passenger vehicle	17	Male	
06/07/2010	717293	20	Head on	2-way undivided	Dry	Darkness	-	2	North	State highway	NEW ENGLAND	Hwy	30	North	HEBDEN	Rd	Ravensworth	Singleton	90	2	Non-fatal	No or unknown	No or unknown	-32.440720	151.054938	2.5	S	Tuesday	1740	Rural	Sealed	Passenger vehicle	22	Male	
09/07/2010	717370	20	Head on	2-way undivided	Wet	Daylight	-	2	East	Other classified road	STANMORE	Rd	125	West	HILL	St	Stammore	Marrickville	50	2	Non-fatal	No or unknown	No or unknown	-33.896183	151.162166	0	C	Friday	1520	Urban	Sealed	Passenger vehicle	24	Male	
09/07/2010	717407	20	Head on	2-way undivided	Wet	Daylight	-	1	West	Other classified road	RAWSON	St	50	East	KHOLTA	Rd	Auburn	Auburn	50	2	Non-fatal	No or unknown	No or unknown	-33.845826	151.029649	0	C	Friday	1405	Urban	Sealed	Passenger vehicle	24	Female	
09/07/2010	717413	20	Head on	2-way undivided	Wet	Daylight	-	2	East	Unclassified road	MT DEE	Rd	900	West	CESSNOCK	Rd	Maitland	Maitland	60	2	Non-fatal	Yes	No or unknown	-32.738187	151.544550	0	C	Friday	1455	Urban	Sealed	Passenger vehicle	18	Male	
10/07/2010	717420	20	Head on	2-way undivided	Dry	Daylight	-	1	North	Unclassified road	HAIG	St	415	North	EVANS	St	Belmont	Lake Macquarie	50	2	Non-fatal	No or unknown	No or unknown	-33.025401	151.657273	0	C	Saturday	1500	Urban	Sealed	Motorcycle	27	Male	
10/07/2010	717436	20	Head on	2-way undivided	Dry	Daylight	-	5	South	Other classified road	BROOKS	Pde	100	North	MAUDE	St	Belmont	Lake Macquarie	50	2	Non-fatal	Yes	No or unknown	-33.033192	151.655904	0	S	Saturday	1630	Urban	Sealed	Passenger vehicle	42	Male	
11/07/2010	717473	20	Head on	2-way undivided	Wet	Daylight	-	2	South	Unclassified road	EMPIRE BAY	Dr	500	North	MACKILLOP	Rd	Gosford	South Kincumbie	50	2	Non-fatal	No or unknown	Yes	-33.478557	151.387004	0	S	Sunday	2440	Urban	Sealed	Passenger vehicle	17	Male	
13/07/2010	717526	20	Head on	2-way undivided	Wet	Daylight	-	1	South	State highway	STURT	Hwy	300	South	WEST	Rd	Buronga	Wentworth	80	2	Non-fatal	No or unknown	Yes	-34.179550	142.175435	0	C	Tuesday	1525	Urban	Sealed	Passenger vehicle	63	Male	
03/07/2010	717614	20	Head on	Divided road	Dry	Darkness	-	2	East	Other classified road	VICTORIA	Rd	15	East	COWELL	St	Ryde	Ryde	60	3	Non-fatal	No or unknown	No or unknown	-33.816221	151.105760	1	C	Saturday	2345	Urban	Sealed	Passenger vehicle	17	Male	
06/07/2010	717675	20	Head on	Divided road	Wet	Daylight	-	2	South	State highway	PRINCES	Hwy	100	South	OLD PRINCES	Hwy	Sutherland	Sutherland	50	2	Non-fatal	No or unknown	No or unknown	-34.032538	151.066680	1.1	S	Tuesday	0750	Urban	Sealed	Passenger vehicle	39	Female	
06/07/2010	717677	20	Head on	2-way undivided	Wet	Daylight	-	2	North	Unclassified road	UPPER WILSONS	Rd	1325	North	WILSONS CREEK	Rd	Wilson's Creek	Byron	50	2	Non-fatal	No or unknown	No or unknown	-28.546755	153.390261	0	C	Tuesday	1630	Urban	Unsealed	Passenger vehicle	Unk	Unknown	
10/07/2010	717744	20	Head on	2-way undivided	Wet	Daylight	-	2	East	Unclassified road	HARTLEYS	Rd	120	West	BOUNDARY CREEK	Rd	Back Creek	Kyogle	50	2	Non-fatal	Yes	No or unknown	-28.692687	153.086004	0	C	Saturday	1145	Urban	Unsealed	Passenger vehicle	41	Male	
11/07/2010	717768	20	Head on	2-way undivided	Wet	Daylight	-	2	East	Unclassified road	OLD BATHURST	Rd	1100	West	GOSLING	St	Emu Plains	Blue Mountains	70	2	Non-fatal	Yes	No or unknown	-33.742357	150.637206	0	C	Sunday	1410	Rural	Sealed	Passenger vehicle	37	Female	
13/07/2010	717792	20	Head on	2-way undivided	Wet	Daylight	-	9	East	State highway	MITCHELL	Hwy	8000	West	DUNKELD	Tn	The Rocks	Bathurst Regional	100	2	Non-fatal	Yes	No or unknown	-33.423890	149.406092	0	C	Tuesday	1200	Rural	Sealed	Passenger vehicle	59	Female	
15/07/2010	717843	20	Head on	2-way undivided	Dry	Darkness	-	1	East	Unclassified road	ILLAWONG	Ave	100	West	KAREELA	Ave	Pennith	Pennith	50	2	Non-fatal	No or unknown	No or unknown	-33.738925	150.710608	0	C	Tuesday	1635	Urban	Sealed	Passenger vehicle	Unk	Unknown	
20/07/2010	717874	20	Head on	2-way undivided	Dry	Daylight	-	1	East	Other classified road	BLACK HILL	Rd	1100	South	JOHN RENSHAW	Dr	Newcastle	West Mayfield	50	2	Non-fatal	Yes	No or unknown	-32.822144	151.173921	1.3	C	Tuesday	1820	Urban	Sealed	Passenger vehicle	41	Female	
20/07/2010	717899	20	Head on	2-way undivided	Dry	Daylight	-	1	South	Unclassified road	BLACK HILL	Rd	1100	South	JOHN RENSHAW	Dr	Newcastle	Cessnock	80	2	Non-fatal	Yes	No or unknown	-32.831512	151.587660	0	C	Thursday	0820	Urban	Sealed	Passenger vehicle	41	Female	
14/09/2010	718052	20	Head on	2-way undivided	Dry	Daylight	-	1	South	Other classified road	FREEMANS	Rd	2300	North	PALMERS	Rd	Brunkerville	Cessnock	80	2	Fatal	No or unknown	No or unknown	-32.963404	151.478877	0	C	Tuesday	0745	Rural	Sealed	Heavy vehicle	51	Male	
18/09/2010	718059	20	Head on	2-way undivided	Dry	Daylight	-	1	4	East	State highway	GWYDIR	Hwy	525	East	LAMONTS	Lane	Little Plain	Inverell	100	2	Fatal	No or unknown	No or unknown	-29.734686	150.959440	0	C	Saturday	1540	Rural	Sealed	Passenger vehicle	28	Male
19/06/2009	718060	20	Head on	2-way undivided	Dry	Daylight	-	2	South	Unclassified road	CORNELIA	Rd	0	AT	RAILWAY	Bdge	Toongabbie	Parramatta	2	2	Non-fatal	No or unknown	No or unknown	-33.789502	150.951088	0	C	Friday	0720	Urban	Sealed	Passenger vehicle	67	Male	
24/06/2010	718158	20	Head on	2-way undivided	Wet	Darkness	-	2	North	Other classified road	RAILWAY	St	100	South	ARTHUR	St	Lidcombe	Auburn	60	2	Non-fatal	No or unknown	No or unknown	-33.866393	151.058449	0	C	Thursday	0425	Urban	Sealed	Heavy vehicle	38	Male	
26/05/2010	718200	20	Head on	2-way undivided	Wet	Daylight	-	3	West	State highway	GREAT WESTERN	Hwy	500	West	JENOLAN CAVES	Rd	Hartley	Lithgow	80	4	Non-fatal	No or unknown	No or unknown	-33.539502	150.163394	0	C	Wednesday	0920	Urban	Sealed	Passenger vehicle	31	Female	
22/06/2010	718239	20	Head on	2-way undivided	Dry	Daylight	-	1	South	Unclassified road	CATTAL RIDGE	Rd	0	AT	NUMBER 114	Hn	Glenorie	The Hills	60	2	Non-fatal	No or unknown	Yes	-33.605134	150.979301	0	C	Tuesday	0830	Urban	Sealed	Passenger vehicle	31	Male	
23/08/2010	718251	20	Head on	2-way undivided	Dry	Daylight	-	1	South	State highway	PRINCES	Hwy	800	South	BANGKID	Rd	Bergalla	Eurobodalla	100	2	Non-fatal	No or unknown	No or unknown	-35.987998	150.102891	0	C	Monday	1630	Rural	Sealed	Passenger vehicle	84	Female	
09/07/2010	718311	20	Head on	2-way undivided	Wet	Daylight	-	1	South	Other classified road	EASTERN ARTERI	Rd	600	South	BURRANEER	Rd	St Ives	Ku-Ring-Gai	50	2	Non-fatal	Yes	No or unknown	-33.752987	151.170293	0	C	Friday	0810	Urban	Sealed	Passenger vehicle	49	Male	
13/07/2010	718356	20	Head on	2-way undivided	Dry	Darkness	-	1	South	Unclassified road	TINDALE	St	120	North	ANZAC	Pde	Muswellbrook	Muswellbrook	60	2	Non-fatal	No or unknown	No or unknown	-32.973093	150.880814	0	C	Tuesday	1643	Urban	Sealed	Passenger vehicle	27	Female	
16/07/2010	718380	20	Head on	2-way undivided	Dry	Daylight	-	2	West	Unclassified road	OURA	Rd	100	East	ELUNOY BRIDGE	Rd	Gumly Gumly	Wagga Wagga	100	2	Non-fatal	Yes	No or unknown	-35.101115	147.416245	0	C	Friday	1245	Rural	Sealed	Passenger vehicle	42	Male	
07/07/2010	718490	20	Head on	2-way undivided	Dry	Darkness	-	2	East	Other classified road	JUNCTION	Rd	250	West	WAHROONGA	Ave	Wahroonga	Ku-Ring-Gai	60	2	Non-fatal	No or unknown	Yes	-33.709272	151.123851	0	S	Wednesday	1600	Urban	Sealed	Passenger vehicle	60	Female	
08/07/2010	718502	20	Head on	2-way undivided	Wet	Daylight	-	1	East	Other classified road	LISMORE	Rd	1250	West	EUREKA	Rd	Cunes	Byron	100	2	Non-fatal	Yes	No or unknown	-28.725007	153.418816	0	C	Thursday	1333	Rural	Sealed	Passenger vehicle	21	Male	
09/07/2010	718512	20	Head on	2-way undivided	Wet	Daylight	-	2	East	Other classified road	WAKEHURST	Pkwy	100	West	MIRROOL	St	Elanora Height	Pittwater	100	2															

26/02/2011	734953	20	Head on	2-way undivided	Dry	Daylight	1	-	South	State highway	NEW ENGLAND	Hwy	250	North	HEBDEN	Rd	Ravensworth	Singleton	90	2	Fatal	No or unknown	Yes	-32.436497	151.054479	0	S	Saturday	0700	Rural	Sealed	Heavy vehicle	40	Male
24/07/2010	734964	20	Head on	2-way undivided	Dry	Darkness	-	-	South	State highway	NEWELL	Hwy	500	South	PENNYNS	Rd	Bellata	Moree Plains	100	2	Non-fatal	No or unknown	No or unknown	-29.830528	149.787667	0	S	Saturday	1830	Urban	Sealed	Heavy vehicle	30	Male
12/09/2010	734970	20	Head on	2-way undivided	Dry	Daylight	-	1	North	Unclassified road	HYDES CREEK	Rd	300	North	KETHLES	Rd	Hydes Creek	Bellingen	100	2	Non-fatal	No or unknown	No or unknown	-30.417818	152.914069	0	C	Sunday	1440	Rural	Sealed	Motorcycle	15	Male
22/09/2010	734973	20	Head on	2-way undivided	Dry	Daylight	-	-	South	State highway	NEWELL	Hwy	0	AT	GURLEY CREEK	Bdge	Gurley	Moree Plains	100	2	Non-fatal	No or unknown	No or unknown	-29.683859	149.804265	0	C	Wednesday	1240	Rural	Sealed	Heavy vehicle	33	Male
30/09/2010	734974	20	Head on	2-way undivided	Dry	Darkness	-	1	South	Unclassified road	MEMORIAL	Dr	1530	South	PARK	Rd	Goulburn	Goulburn Mulwaree	60	2	Non-fatal	No or unknown	No or unknown	-34.771790	149.729753	0	C	Thursday	1655	Urban	Sealed	Passenger vehicle	19	Male
01/09/2010	735016	20	Head on	Divided road	Dry	Darkness	-	2	West	State highway	PACIFIC	Hwy	250	West	NORTHCOTT	Dr	Highfields	Lake Macquarie	20	2	Non-fatal	No or unknown	No or unknown	-32.952699	151.712037	3	C	Wednesday	2230	Urban	Sealed	Passenger vehicle	24	Male
09/12/2010	735144	20	Head on	2-way undivided	Wet	Darkness	-	-	West	State highway	ILLAWARRA	Hwy	1600	East	SHEEPSWASH	Rd	Burrawang	Wingecarribee	100	2	Non-fatal	No or unknown	No or unknown	-34.579510	150.494741	0	C	Thursday	2245	Rural	Sealed	Passenger vehicle	18	Male
09/12/2010	735145	20	Head on	2-way undivided	Dry	Daylight	-	-	East	Unclassified road	MILLIANS	Rd	1000	West	BAGO	Rd	Barago Bluff	Port Macquarie-Hastin	60	2	Non-fatal	Yes	No or unknown	-31.531881	152.709662	0	C	Thursday	0940	Urban	Unsealed	Passenger vehicle	42	Male
13/12/2010	735200	20	Head on	2-way undivided	Dry	Darkness	-	-	North	Unclassified road	CRESSNOCK	Rd	735200	North	FIRS	Rd	Cressnock	Wingecarribee	20	2	Non-fatal	No or unknown	No or unknown	-31.815328	151.024040	0	C	Thursday	2040	Urban	Sealed	Passenger vehicle	23	Male
16/12/2010	735245	20	Head on	2-way undivided	Wet	Darkness	-	1	West	State highway	NEW ENGLAND	Hwy	50	East	LOCKS	Lane	South Tamworth	Tamworth Regional	80	2	Non-fatal	Yes	No or unknown	-31.110551	150.928280	0	C	Thursday	1955	Urban	Sealed	Passenger vehicle	23	Male
14/11/2010	735319	20	Head on	2-way undivided	Dry	Daylight	-	3	North	Unclassified road	WILTON	Rd	400	South	AWABA	Rd	Awaba	Lake Macquarie	60	2	Non-fatal	Yes	No or unknown	-33.008102	151.552349	0	C	Sunday	1220	Urban	Sealed	Passenger vehicle	17	Male
15/11/2010	735323	20	Head on	2-way undivided	Wet	Daylight	-	1	South	Unclassified road	BEACH	Rd	330	North	EXPLORERS	Way	Batehaven	Eurobodalla	60	2	Non-fatal	Yes	No or unknown	-35.754159	150.208552	0	C	Monday	1200	Urban	Sealed	Passenger vehicle	44	Male
26/11/2010	735361	20	Head on	2-way undivided	Dry	Daylight	-	-	South	Unclassified road	NOWLANS	Rd	4375	North	BIMBI	Rd	Bimbi	Weddin	80	2	Non-fatal	No or unknown	No or unknown	-33.995789	147.919179	0	C	Friday	1900	Urban	Unsealed	Heavy vehicle	26	Male
28/11/2010	735376	20	Head on	2-way undivided	Wet	Daylight	-	1	South	Unclassified road	CARRINGTON	Rd	30	North	COOGEE	St	Coogee	Randwick	30	3	Non-fatal	Yes	No or unknown	-33.916281	151.248955	0	S	Sunday	1820	Urban	Sealed	Passenger vehicle	51	Male
04/12/2010	735428	20	Head on	2-way undivided	Wet	Daylight	-	-	West	Other classified road	CHIFLEY	Rd	12000	East	GREAT WESTERN	Hwy	Clarence	Lithgow	80	2	Non-fatal	No or unknown	No or unknown	-33.474703	150.226757	0	C	Saturday	1100	Urban	Sealed	Passenger vehicle	33	Male
13/12/2010	735581	20	Head on	2-way undivided	Dry	Daylight	-	-	West	Unclassified road	POWDERWORKS	Rd	85	East	AMELIA	PI	North Narrabee	Pittwater	50	2	Non-fatal	Yes	No or unknown	-33.699322	151.289698	0	C	Monday	0735	Urban	Sealed	Passenger vehicle	28	Female
15/12/2010	735662	20	Head on	2-way undivided	Dry	Daylight	-	2	West	Unclassified road	THE COMENARRA	Rd	50	West	ALINTA	CT	Hornsbey	Wingecarribee	80	2	Non-fatal	Yes	No or unknown	-33.732438	150.287544	0	C	Wednesday	0930	Urban	Sealed	Passenger vehicle	54	Female
15/12/2010	735662	20	Head on	2-way undivided	Dry	Daylight	-	3	North	Unclassified road	YATHONG	Rd	49000	South	BLOOMFIELD	Rd	Coabar	Wingecarribee	100	2	Non-fatal	Yes	No or unknown	-32.448086	145.509576	0	C	Wednesday	1050	Rural	Unsealed	Heavy vehicle	33	Male
16/12/2010	735677	20	Head on	2-way undivided	Wet	Daylight	-	-	East	State highway	OXLEY	Hwy	20000	West	YARRAS	Tn	Doyleys River	Port Macquarie-Hastin	100	2	Non-fatal	Yes	No or unknown	-31.419030	152.216433	0	C	Thursday	1345	Rural	Sealed	Heavy vehicle	42	Male
16/12/2010	735699	20	Head on	2-way undivided	Wet	Daylight	-	-	North	Unclassified road	MACDONALDS	Rd	340	North	THE RIDGEWAY	Ms	Lisarow	Gosford	60	2	Non-fatal	Yes	No or unknown	-33.857110	151.379615	0	C	Thursday	1365	Urban	Sealed	Passenger vehicle	20	Male
16/12/2010	735718	20	Head on	2-way undivided	Wet	Daylight	-	-	North	Other classified road	HOMER	St	70	South	WELLINGTON	Rd	Earwood	Canterbury	80	2	Non-fatal	No or unknown	No or unknown	-33.924992	151.134783	0	C	Thursday	1825	Urban	Sealed	Passenger vehicle	40	Male
19/12/2010	735855	20	Head on	2-way undivided	Dry	Daylight	-	-	North	Other classified road	WISEMANS FERRY	Rd	1500	South	WISEMANS	Fd	Gunderman	Gosford	80	2	Non-fatal	No or unknown	No or unknown	-33.391074	150.994511	0	C	Sunday	1620	Urban	Sealed	Passenger vehicle	43	Male
21/12/2010	735900	20	Head on	2-way undivided	Dry	Darkness	-	1	East	Unclassified road	FLAGSTAFF	Rd	120	East	WERINGA	Ave	Lake Heights	Wollongong	50	2	Non-fatal	Yes	No or unknown	-34.479513	150.873484	0	C	Tuesday	2250	Urban	Sealed	Motorcycle	22	Male
25/10/2010	735988	20	Head on	2-way undivided	Dry	Daylight	-	2	East	Unclassified road	NEW ILLAWARRA	Rd	2000	North	HEATHCOTE	Rd	Lucas Heights	Sutherland	60	2	Non-fatal	No or unknown	Yes	-34.045665	150.989870	0	C	Monday	1640	Urban	Sealed	Passenger vehicle	47	Male
30/10/2010	735991	20	Head on	2-way undivided	Dry	Daylight	-	2	East	Other classified road	CANTERBURY	Rd	300	East	STH CHAPEL	Rd	Bankstown	Bankstown	70	2	Non-fatal	Yes	No or unknown	-33.934047	151.030244	0	S	Saturday	2060	Urban	Sealed	Passenger vehicle	21	Male
01/11/2010	735994	20	Head on	2-way undivided	Wet	Daylight	-	2	North	Other classified road	WARRAMATTA	Rd	80	North	WARRAMATTA	Rd	Warramatta	Wingecarribee	60	2	Non-fatal	No or unknown	No or unknown	-33.780877	150.754940	0	C	Friday	1430	Urban	Unsealed	Passenger vehicle	64	Male
04/12/2010	736115	20	Head on	2-way undivided	Dry	Darkness	-	1	South	Unclassified road	WATER	St	80	North	EXCELSIOR	Rd	Belfield	Strathfield	60	2	Non-fatal	No or unknown	No or unknown	-33.897555	151.082531	0	C	Saturday	0550	Urban	Sealed	Passenger vehicle	55	Male
08/12/2010	736141	20	Head on	2-way undivided	Dry	Daylight	-	4	North	Other classified road	HEATHCOTE	Rd	850	South	ST GEORGE	Cres	Sandy Point	Sutherland	80	4	Non-fatal	No or unknown	No or unknown	-33.990913	150.995287	0	C	Wednesday	1715	Urban	Sealed	Passenger vehicle	25	Male
12/12/2010	736180	20	Head on	2-way undivided	Dry	Daylight	-	1	South	State highway	PACIFIC	Hwy	650	South	MORGANS	Rd	Mt White	Gosford	60	2	Non-fatal	Yes	No or unknown	-33.480236	151.185074	0	C	Sunday	1115	Urban	Sealed	Motorcycle	27	Male
12/12/2010	736183	20	Head on	2-way undivided	Dry	Daylight	-	-	West	State highway	PACIFIC	Hwy	200	West	ALICE	St	Merewether	Newcastle	70	2	Non-fatal	No or unknown	Yes	-32.941248	151.741799	0	C	Sunday	1350	Urban	Sealed	Passenger vehicle	41	Female
12/12/2010	736184	20	Head on	2-way undivided	Dry	Daylight	-	3	East	Unclassified road	LOUIS	St	100	East	WOODVILLE	Rd	Granville	Parramatta	50	2	Non-fatal	No or unknown	Yes	-33.839967	151.000369	0	S	Sunday	1058	Urban	Sealed	Passenger vehicle	31	Male
18/12/2010	736283	20	Head on	2-way undivided	Dry	Darkness	-	3	North	State highway	CASTLEREAGH	Hwy	2000	North	CURBAN RAILWAY	Rd	Curban	Gilgandra	110	2	Non-fatal	No or unknown	No or unknown	-31.533434	148.562677	0	C	Saturday	2105	Rural	Sealed	Passenger vehicle	32	Male
23/12/2010	736407	20	Head on	2-way undivided	Dry	Daylight	-	2	North	State highway	NEWELL	Hwy	5500	South	COONABARABRAN	Tn	Coonabarabran	Warrumbungle	100	2	Non-fatal	No or unknown	No or unknown	-31.318426	149.308088	0	C	Thursday	1210	Rural	Sealed	Passenger vehicle	24	Female
23/12/2010	736411	20	Head on	2-way undivided	Dry	Daylight	-	-	North	Unclassified road	SARGENTS	Rd	550	North	STANIK PARK	Rd	Ebenezer	Hawkesbury	50	2	Non-fatal	No or unknown	No or unknown	-33.529819	150.803365	0	C	Thursday	1305	Urban	Unsealed	Passenger vehicle	20	Female
24/12/2010	736448	20	Head on	2-way undivided	Dry	Daylight	-	-	West	Unclassified road	FOXGROVE	Rd	1915	North	CANYONLEIGH	Rd	Mckees Hill	Wingecarribee	60	2	Non-fatal	Yes	No or unknown	-34.567178	150.219440	0	C	Friday	1930	Urban	Unsealed	Passenger vehicle	18	Male
24/12/2010	736473	20	Head on	2-way undivided	Dry	Daylight	-	-	West	Unclassified road	SURF	Rd	50	West	WHALE BEACH	Rd	Chanel Beach	Pittwater	50	2	Non-fatal	No or unknown	No or unknown	-33.611450	151.329505	0	C	Friday	1930	Urban	Sealed	Heavy vehicle	36	Male
27/12/2010	736554	20	Head on	2-way undivided	Wet	Daylight	-	-	South	Unclassified road	WOY WOY	Rd	3000	South	MILYERRA	Rd	Kariong	Gosford	80	2	Non-fatal	Yes	No or unknown	-33.463349	151.283143	0	S	Monday	1600	Urban	Sealed	Passenger vehicle	25	Female
27/12/2010	736573	20	Head on	2-way undivided	Wet	Daylight	-	-	South	Unclassified road	PENROSE	Cres	140	South	THE ENTRANCE	Rd	Erina	Gosford	50	2	Non-fatal	Yes	No or unknown	-33.435551	151.389477	0	C	Monday	1705	Urban	Sealed	Passenger vehicle	43	Female
18/10/2010	736636	20	Head on	2-way undivided	Dry	Darkness	-	-	North	Unclassified road	NORTH STEYNE	Ms	20	North	CAMERON	Ave	Manly	Manly	60	2	Non-fatal	No or unknown	No or unknown	-33.785673	151.287525	0	C	Monday	0910	Urban	Sealed	Passenger vehicle	29	Female
23/10/2010	736641	20	Head on	2-way undivided	Dry	Daylight	-	1	East	Other classified road	WISEMANS FERRY	Rd	40	East	NUMBER 5916	Hn	Gunderman	Gosford	60	2														

04/10/2010	739752	20	Head on	2-way undivided	Wet	Daylight	-	3	West	Other classified road	GEORGE BOOTH	Dr	1400	East	RICHMOND VALE	Rd	Richmond Vale	Cessnock	80	2	Non-fatal	Yes	No or unknown	No or unknown	-32.856656	151.530703	0	C	Monday	1430	Urban	Sealed	Passenger vehicle	19	Female
14/11/2010	739772	20	Head on	2-way undivided	Dry	Daylight	-	6	South	Other classified road	WALLAGA LAKE	Rd	100	South	COBARGO	Rd	Bermagui	Gage Valley	100	2	Non-fatal	No or unknown	No or unknown	No or unknown	-36.408371	150.046592	0	C	Sunday	1300	Rural	Sealed	Passenger vehicle	18	Male
24/12/2010	739829	20	Head on	2-way undivided	Wet	Darkness	-	1	South	Other classified road	BLUE KNOB	Rd	100	North	LILLIAN ROCK	Rd	Blue Knob	Lismore	100	3	Non-fatal	No or unknown	No or unknown	No or unknown	-28.542760	153.187826	0	C	Friday	2100	Rural	Sealed	Passenger vehicle	Unk	Unknown
24/12/2010	739830	20	Head on	2-way undivided	Dry	Daylight	-	1	North	State highway	NEWELL	Hwy	500	North	MID WESTERN	Hwy	Marsden	Weddin	100	2	Non-fatal	No or unknown	No or unknown	Yes	-33.754216	147.526254	0	C	Friday	1730	Rural	Sealed	Passenger vehicle	56	Male
29/12/2010	739848	20	Head on	2-way undivided	Wet	Darkness	-	3	South	State highway	PACIFIC	Hwy	5	North	NUMBER 676	Hn	Kanwal	Wyong	70	3	Non-fatal	Yes	Yes	Yes	-33.259606	151.484876	0	S	Wednesday	1945	Urban	Sealed	Passenger vehicle	51	Male
25/01/2011	739883	20	Head on	2-way undivided	Dry	Daylight	-	1	North	Unclassified road	ROSEHILL	Rd	610	North	KYOGLÉ	Rd	Tunccaster	Lismore	100	2	Non-fatal	No or unknown	Yes	Yes	-28.792436	153.212684	0	S	Tuesday	0645	Rural	Sealed	Passenger vehicle	27	Male
04/01/2011	739889	20	Head on	2-way undivided	Wet	Daylight	-	1	South	Unclassified road	CASUARINA	Way	280	North	ELLISTON	St	Kingscliff	Tweed	50	2	Non-fatal	No or unknown	No or unknown	No or unknown	-28.269367	153.576704	0	C	Tuesday	1200	Urban	Sealed	Passenger vehicle	21	Male
19/01/2011	739928	20	Head on	2-way undivided	Dry	Daylight	-	1	West	Unclassified road	JABALIEN	Rd	600	West	HARBOURYS	Bdge	Deua National	Eurobodalla	80	2	Non-fatal	Yes	No or unknown	No or unknown	-35.893381	149.985530	0	C	Wednesday	0945	Urban	Unsealed	Passenger vehicle	69	Female
23/01/2011	739952	20	Head on	2-way undivided	Dry	Daylight	-	1	North	Unclassified road	HARFIELD	Rd	850	North	HARFIELD	Rd	Harfield	Harfield	100	2	Non-fatal	No or unknown	No or unknown	No or unknown	-34.967860	147.967860	0	C	Monday	0330	Rural	Sealed	Passenger vehicle	29	Male
29/01/2011	740058	20	Head on	2-way undivided	Dry	Darkness	-	1	South	Unclassified road	TUGGERAH	Pde	200	South	MANNING	Rd	The Entrance	Wyong	50	2	Non-fatal	Yes	No or unknown	No or unknown	-33.339738	151.492301	0	C	Saturday	2100	Urban	Sealed	Passenger vehicle	31	Female
31/01/2011	740106	20	Head on	2-way undivided	Dry	Daylight	-	1	North	Unclassified road	TEA TREE	Lane	2240	North	MCQUIGUES CROSS	Rd	Belmore River	Kempsey	60	2	Non-fatal	No or unknown	No or unknown	No or unknown	-31.098020	153.009612	0	C	Monday	1135	Urban	Unsealed	Heavy vehicle	Unk	Male
16/01/2011	740222	20	Head on	2-way undivided	Dry	Daylight	-	1	East	State highway	BRUXNER	Hwy	43000	East	TENTERFIELD	Tn	Enterfield	Blacktown	100	2	Non-fatal	No or unknown	No or unknown	No or unknown	-28.926047	152.327176	0	C	Sunday	1310	Rural	Sealed	Passenger vehicle	27	Male
22/01/2011	740276	20	Head on	2-way undivided	Dry	Daylight	-	1	South	Unclassified road	WANGARA	Cres	85	North	ROTORUA	St	Lethbridge Par	Blacktown	50	2	Non-fatal	No or unknown	No or unknown	No or unknown	-33.735641	150.794399	0	C	Saturday	1550	Urban	Sealed	Motorcycle	40	Male
23/01/2011	740281	20	Head on	Divided road	Dry	Darkness	-	1	South	Other classified road	MONA VALE	Rd	340	North	COWAN	Rd	St Ives	Ku-Ring-Gai	70	2	Non-fatal	No or unknown	Yes	Yes	-33.730617	151.159532	1.6	C	Sunday	0015	Urban	Sealed	Passenger vehicle	55	Female
24/01/2011	740294	20	Head on	2-way undivided	Dry	Darkness	-	1	South	Other classified road	OLD SOUTH HEAD	Rd	50	South	DIAMOND BAY	Rd	Vaucluse	Woolahra	60	2	Non-fatal	Yes	No or unknown	No or unknown	-33.861533	151.278147	0	C	Monday	2300	Urban	Sealed	Passenger vehicle	31	Male
30/01/2011	740395	20	Head on	2-way undivided	Dry	Daylight	-	1	West	Unclassified road	WESTBROOK	Rd	4200	East	HUME	Hwy	Tarcutta	Wagga Wagga	100	2	Non-fatal	No or unknown	No or unknown	No or unknown	-35.301788	147.767981	0	C	Sunday	0915	Rural	Sealed	Passenger vehicle	43	Male
31/01/2011	740412	20	Head on	2-way undivided	Dry	Daylight	-	2	South	Unclassified road	FISHERY PT	Rd	200	East	GREMACHE	Way	Bonnells Bay	Lake Macquarie	60	3	Non-fatal	No or unknown	No or unknown	No or unknown	-33.108263	151.536205	0	C	Monday	1700	Urban	Sealed	Passenger vehicle	55	Female
01/02/2011	740445	20	Head on	2-way undivided	Dry	Daylight	-	1	East	Unclassified road	SUNRISE	Bvd	270	East	BELONGIL	Cres	Byron Bay	Byron	50	2	Non-fatal	No or unknown	No or unknown	No or unknown	-28.635727	153.590193	0	C	Tuesday	1630	Urban	Sealed	Heavy vehicle	20	Male
06/02/2011	740507	20	Head on	2-way undivided	Dry	Daylight	-	2	East	Unclassified road	WATKISS	St	115	East	GLENWOOD PARK	Rd	Glenwood	Blacktown	50	2	Non-fatal	No or unknown	No or unknown	No or unknown	-33.735409	150.838877	0	C	Sunday	1725	Urban	Unsealed	Passenger vehicle	76	Male
23/11/2010	740603	20	Head on	2-way undivided	Dry	Daylight	-	1	North	Unclassified road	KENTHURST	Rd	225	North	SAGARS	Rd	Dural	The Hills	50	2	Non-fatal	No or unknown	Yes	Yes	-33.684992	151.011588	0	C	Tuesday	0935	Urban	Sealed	Passenger vehicle	18	Female
26/11/2010	740605	20	Head on	Divided road	Dry	Darkness	-	1	North	State highway	HUME	Hwy	1000	North	SNOWY MOUNTAIN	Hwy	Mundarlo	Gundagai	110	2	Non-fatal	Yes	No or unknown	No or unknown	-35.177472	147.876755	22	S	Friday	2030	Rural	Sealed	Heavy vehicle	28	Male
21/12/2010	740652	20	Head on	2-way undivided	Dry	Darkness	-	1	North	Other classified road	LEGGETTS	Dr	10	North	LOT 1468	OT	Brunkerville	Cessnock	90	2	Non-fatal	No or unknown	No or unknown	No or unknown	-32.960482	151.479994	0	S	Tuesday	2300	Rural	Sealed	Passenger vehicle	65	Male
22/01/2011	740736	20	Head on	2-way undivided	Dry	Daylight	-	1	North	Unclassified road	FAGGS	Rd	140	South	MT LINDSEAY	Rd	Wylie Creek	Enterfield	100	3	Non-fatal	Yes	No or unknown	No or unknown	-28.542663	152.152742	0	C	Saturday	0645	Rural	Unsealed	Heavy vehicle	43	Male
04/02/2011	740827	20	Head on	2-way undivided	Wet	Daylight	-	1	East	Other classified road	KINGS	Hwy	1120	East	CABBAGE TREE	Ck	Buckenbowa	Eurobodalla	90	2	Non-fatal	Yes	No or unknown	No or unknown	-35.574031	150.050742	0	C	Friday	1700	Urban	Sealed	Heavy vehicle	37	Male
05/02/2011	740848	20	Head on	2-way undivided	Wet	Darkness	-	1	North	Other classified road	TUMUT	Rd	59000	South	YASS	Tn	Wee Jasper	Yass Valley	100	2	Non-fatal	No or unknown	No or unknown	No or unknown	-35.134118	148.666945	0	C	Saturday	1745	Rural	Unsealed	Passenger vehicle	19	Male
05/02/2011	740863	20	Head on	2-way undivided	Wet	Darkness	-	1	South	Other classified road	NEW ENGLAND	Hwy	100	South	RAVENHURST	Rd	Ravenhurst	Blacktown	100	2	Non-fatal	No or unknown	No or unknown	No or unknown	-33.431133	150.636242	0	C	Thursday	0645	Rural	Unsealed	Passenger vehicle	24	Male
05/02/2011	740867	20	Head on	2-way undivided	Dry	Daylight	-	1	North	Unclassified road	STONE	Tce	260	South	BELLS LINE OF	Rd	Kurrungon Hill	Hawkesbury	50	2	Non-fatal	Yes	No or unknown	No or unknown	-33.542502	150.638071	0	C	Saturday	1800	Urban	Unsealed	Heavy vehicle	25	Male
09/02/2011	740915	20	Head on	2-way undivided	Dry	Daylight	-	1	West	Unclassified road	WOODSREEF	Rd	3000	East	BARRABA	Tn	Kingsdown	Uralla	100	2	Non-fatal	No or unknown	No or unknown	No or unknown	-30.527721	151.096412	0	C	Wednesday	0830	Rural	Unsealed	Heavy vehicle	53	Male
06/01/2011	740944	20	Head on	2-way undivided	Wet	Darkness	-	1	South	State highway	NEWELL	Hwy	28000	South	BOGABILLA	Tn	Mungie Creek	Moree Plains	100	2	Non-fatal	No or unknown	No or unknown	No or unknown	-28.824949	150.232864	0	S	Thursday	0045	Rural	Sealed	Passenger vehicle	73	Male
16/01/2011	740980	20	Head on	2-way undivided	Wet	Daylight	-	1	West	Unclassified road	PATONGA	Dr	4035	West	PEARL BEACH	Dr	Patonga	Gosford	60	2	Non-fatal	Yes	No or unknown	No or unknown	-33.546317	151.262921	0	C	Sunday	1320	Urban	Sealed	Motorcycle	53	Male
26/01/2011	741049	20	Head on	2-way undivided	Dry	Daylight	-	1	North	State highway	NEWELL	Hwy	75	South	OXFORD	Rd	Forbes	Forbes	50	2	Non-fatal	Yes	Yes	Yes	-33.392982	148.003393	0	C	Wednesday	1620	Urban	Sealed	Heavy vehicle	19	Male
28/01/2011	741068	20	Head on	2-way undivided	Dry	Daylight	-	1	East	Unclassified road	THRILMERE	Way	200	West	STONEQUARRY CR	Rd	Thirlmere	Wollindilly	60	2	Non-fatal	Yes	No or unknown	No or unknown	-34.186239	150.584557	0	S	Friday	0620	Urban	Sealed	Passenger vehicle	18	Male
31/01/2011	741107	20	Head on	2-way undivided	Dry	Daylight	-	1	North	Unclassified road	JERANGLE	Rd	500	South	LOT 4344	OT	Jingera	Cooma-Monaro	80	2	Non-fatal	No or unknown	No or unknown	No or unknown	-35.778811	149.418650	0	S	Monday	0820	Urban	Unsealed	Heavy vehicle	62	Male
03/02/2011	741192	20	Head on	2-way undivided	Dry	Daylight	-	1	North	Unclassified road	GRANDVIEW	Dr	100	South	SWYB	St	Newport	Pittwater	50	2	Non-fatal	No or unknown	No or unknown	No or unknown	-33.850147	151.316763	0	C	Thursday	0900	Urban	Sealed	Passenger vehicle	36	Female
03/02/2011	741197	20	Head on	2-way undivided	Dry	Daylight	-	1	West	Other classified road	BOLONG	Rd	150	East	RAILWAY	Rd	Bomadeny	Shoalhaven	50	2	Non-fatal	Yes	No or unknown	No or unknown	-34.855702	150.811571	0	C	Thursday	1700	Urban	Sealed	Passenger vehicle	29	Male
04/02/2011	741217	20	Head on	2-way undivided	Dry	Darkness	-	1	West	State highway	OXLEY	Hwy	180	East	MT SEAVIEW	Rd	Port Macquarie	Port Macquarie-Hastin	100	2	Non-fatal	No or unknown	No or unknown	No or unknown	-31.405796	152.260968	0	C	Friday	1920	Rural	Sealed	Heavy vehicle	32	Male
04/02/2011	741201	20	Head on	2-way undivided	Dry	Daylight	-	1	South	Other classified road	HENRY LAWSON	Dr	500	North	TOWER	Rd	Bankstown Hill	Bankstown	60	2	Non-fatal	No or unknown	No or unknown	No or unknown	-33.923238	150.976584	0	C	Friday	0730	Urban	Sealed	Heavy vehicle	21	Male
06/02/2011	741238	20	Head on	Divided road	Wet	Darkness	-	6	North	State highway	CUMBERLAND	Hwy	40	South	POMONA	Rd	Pennant Hills	Hornsby	70	2	Non-fatal	Yes	No or unknown	No or unknown	-33.735289	151.076437	1.5	C	Sunday	2230	Urban	Sealed	Passenger vehicle	26	Female
09/02/2011	741298	20	Head on	2-way undivided	Wet	Daylight	-	2	East	State highway	PRINCES	Hwy	1900	East	WANDEAN	Rd	Wandandian	Shoalhaven	60	2	Non-fatal	Yes	No or unknown	No or unknown	-35.080883	150.626465	0	C	Wednesday	1405	Urban	Sealed	Passenger vehicle	64	Male
12/02/2011	741359	20	Head on	2-way undivided	Wet	Daylight	-	1	South	Unclassified road	WOY WOY	Rd	1100	South	RURAL FIRE	Sn	Kariong	Gosford	100	2	Non-fatal	Yes	No or unknown	No or unknown	-33.455437	151.286120	0	C	Saturday	1150	Urban	Sealed	Passenger vehicle	67	Female
17/02/2011	741380	20	Head on	2-way undivided	Dry	Daylight	-	1	South	Other classified road	BEXLEY	Rd	300	North	KINGSLAND	Rd	Bexley	Rockdale	60	2	Non-fatal	No or unknown	No or unknown	No or unknown	-33.943956	151.121230	0	S	Thursday	0745	Urban	Sealed	Passenger vehicle	32	Male
15/02/2011	741399	20	Head on	2-way undivided	Wet	Daylight	-	2	East	Other classified road	WATERFALL	Way	300	East	FERNBROOK LOOP	Rd	Fernbrook	Bellingen	100	3	Fatal	Yes	No or unknown	No or unknown	-30.380645	152.574711	0	C	Friday	1522	Rural	Sealed	Motorcycle	81	Male
15/02/2011	741448	20	Head on	2-way undivided	Dry	Daylight	-	2	North	Other classified road	CHAMBERS	Rd	600	North	CHAMBERS	Rd	Carrollville	Orange	80	2	Non-fatal	No or unknown	No or unknown	No or unknown	-33.330011	149.918301	0	C	Friday	1500	Urban	Sealed	Passenger vehicle	18	Male
15/12/2010	741613	20	Head on	2-way undivided	Dry	Daylight	-	2	North	Other classified road	THE NORTHERN	Rd	73	North	CHAIN-O-PONDS	Rd	Mulgoo	Mulgoo	60	2	Non-fatal	Yes	No or unknown	No or unknown	-33.820497	150.885717	0	C	Wednesday	1					

28/04/2011	751400	20	Head on	2-way undivided	Wet	Darkness	-	-	South	Other classified road	BLUE KNOB	Rd	5950	North	NMBINE	Tn	Nmbin	Lismore	80	2	Non-fatal	No or unknown	No or unknown	-28.552734	153.195899	0	C	Thursday	2015	Urban	Sealed	Passenger vehicle	19	Male
29/04/2011	751447	20	Head on	2-way undivided	Wet	Darkness	-	1	North	Unclassified road	NARARA VALLEY	Dr	100	North	DEANE	Nr	Narara	Gosford	60	2	Non-fatal	Yes	No or unknown	-33.993880	151.344785	0	C	Friday	2025	Urban	Sealed	Passenger vehicle	20	Male
04/05/2011	751555	20	Head on	2-way undivided	Wet	Darkness	-	-	South	Other classified road	THE LAKES	Way	1500	South	SWEET PEAK	Rd	Forster	Great Lakes	100	2	Non-fatal	No or unknown	Yes	-32.237973	152.541645	0	S	Wednesday	1925	Rural	Sealed	Passenger vehicle	48	Male
05/05/2011	751621	20	Head on	2-way undivided	Dry	Daylight	-	-	East	Unclassified road	CLEVELAND	Rd	0	AT	NUMBER 365	Hn	Dapto	Wollongong	80	2	Non-fatal	No or unknown	Yes	-34.506227	150.750879	0	S	Thursday	1975	Urban	Sealed	Passenger vehicle	21	Male
01/04/2011	751817	20	Head on	2-way undivided	Dry	Daylight	-	2	West	Other classified road	SHOWGROUND	Rd	50	West	KENTWELL	Ave	Castle Hill	The Hills	2	2	Non-fatal	No or unknown	No or unknown	-33.717171	151.000248	0	C	Friday	1143	Urban	Sealed	Passenger vehicle	21	Female
16/04/2011	751874	20	Head on	2-way undivided	Wet	Darkness	-	-	West	State highway	GREAT WESTERN	Hwy	670	West	VICTORIA	St	Mt Victoria	Blue Mountains	60	4	Non-fatal	Yes	No or unknown	-33.580174	150.238224	0	C	Saturday	1730	Urban	Sealed	Motorcycle	39	Male
16/04/2011	751877	20	Head on	2-way undivided	Dry	Darkness	-	2	North	Other classified road	LAWRENCE HARGR	Dr	0	AT	SEA CLIFF	Bdge	Clifton	Wollongong	60	2	Non-fatal	No or unknown	No or unknown	-34.253947	150.973642	0	C	Saturday	1929	Urban	Sealed	Passenger vehicle	17	Male
01/05/2011	752031	20	Head on	2-way undivided	Dry	Daylight	-	1	South	Unclassified road	NARCOMA	Rd	106	West	WONGONG	Rd	Northbridge	Willoughby	50	2	Non-fatal	Yes	No or unknown	-33.809501	151.271419	0	C	Sunday	1415	Urban	Sealed	Motorcycle	24	Male
03/05/2011	752062	20	Head on	2-way undivided	Dry	Daylight	-	-	North	Other classified road	FELTER VALLEY	Way	1820	North	WONGONG	Rd	Northbridge	Willoughby	100	2	Non-fatal	No or unknown	No or unknown	-33.771713	151.271419	0	C	Sunday	1415	Urban	Sealed	Passenger vehicle	45	Female
07/05/2011	752143	20	Head on	2-way undivided	Dry	Darkness	-	-	West	Other classified road	EASTERN DORRIG	Way	10000	West	ORARA	Way	Lowanna	Coffs Harbour	100	2	Non-fatal	No or unknown	No or unknown	-30.216102	152.951898	0	C	Saturday	2130	Rural	Sealed	Passenger vehicle	Unk	Unknown
13/05/2011	752274	20	Head on	2-way undivided	Dry	Daylight	-	3	South	State highway	PRINCES	Hwy	3400	South	SUSSEX INLET	Rd	Jerrawangala	Shoalhaven	100	3	Non-fatal	No or unknown	No or unknown	-35.132849	150.465642	0	C	Friday	1513	Urban	Sealed	Passenger vehicle	68	Female
15/05/2011	752309	20	Head on	2-way undivided	Dry	Daylight	-	1	East	Other classified road	THE LAKES	Way	3575	East	STONE CREEK	Rd	Boolarbays	Great Lakes	80	2	Non-fatal	Yes	No or unknown	-32.98148	152.308733	0	C	Sunday	1030	Urban	Sealed	Motorcycle	40	Male
29/06/2011	752321	20	Head on	2-way undivided	Wet	Daylight	1	-	North	Unclassified road	WISEMANS FERRY	Rd	30	South	HOWES	Rd	Somersby	Gosford	70	2	Fatal	No or unknown	No or unknown	-33.404359	151.286411	0	C	Wednesday	1550	Urban	Sealed	Passenger vehicle	44	Female
04/07/2011	752327	20	Head on	2-way undivided	Dry	Daylight	1	-	South	Unclassified road	COOLAMON SCENI	Dr	1000	North	MAIN ARM	Rd	Mullumbimby	Byron	100	2	Fatal	No or unknown	No or unknown	-28.541301	153.498266	0	C	Monday	0925	Rural	Sealed	Passenger vehicle	61	Male
08/07/2011	752331	20	Head on	2-way undivided	Dry	Daylight	1	-	South	State highway	MOONARO	Hwy	1700	North	NORTH	St	Bredbo	Cooma-Monaro	100	3	Fatal	Yes	No or unknown	-35.936324	149.148334	0	C	Friday	1930	Rural	Sealed	Passenger vehicle	21	Male
10/07/2011	752333	20	Head on	2-way undivided	Dry	Daylight	2	-	North	State highway	NEW ENGLAND	Hwy	155	North	MCINERNEY	Rd	Camberwell	Singleton	100	2	Fatal	No or unknown	No or unknown	-32.478896	151.091478	2.2	C	Sunday	1200	Rural	Sealed	Passenger vehicle	24	Female
16/07/2011	752338	20	Head on	2-way undivided	Wet	Daylight	1	5	East	Other classified road	WATERFALL	Way	2000	East	FOUR MILE	Ck	Woolmombi	Armistade Dumaresq	100	2	Fatal	No or unknown	No or unknown	-30.515743	151.984962	0	C	Saturday	0700	Rural	Sealed	Passenger vehicle	19	Male
20/07/2011	752341	20	Head on	2-way undivided	Wet	Daylight	1	-	East	Other classified road	CAPTAIN COOK	Rd	250	West	ELOUERA	Rd	Cronulla	Sutherland	70	2	Fatal	No or unknown	Yes	-34.039680	151.153902	0	C	Wednesday	1503	Urban	Sealed	Passenger vehicle	57	Female
22/07/2011	752343	20	Head on	2-way undivided	Dry	Daylight	3	-	North	State highway	NEW ENGLAND	Hwy	1200	South	CLIFTON	St	Tenterfield	Tenterfield	60	2	Fatal	No or unknown	Yes	-29.075850	152.010045	0	C	Friday	1020	Urban	Sealed	Passenger vehicle	68	Female
31/03/2011	752443	20	Head on	2-way undivided	Wet	Daylight	-	3	South	Unclassified road	THE COMENARRA	Pkwy	115	North	STAINSBY	Ci	Turramura	Ku-Ring-Gai	60	2	Non-fatal	Yes	No or unknown	-33.742947	151.104998	0	C	Thursday	1010	Urban	Sealed	Passenger vehicle	52	Female
21/01/2011	752453	20	Head on	2-way undivided	Dry	Daylight	-	3	South	Other classified road	FLAT ROCK	Dr	300	South	SAILORS WAY	Rd	Willoughby	Willoughby	60	2	Non-fatal	No or unknown	No or unknown	-33.812479	151.204956	0	C	Friday	0845	Urban	Sealed	Passenger vehicle	25	Female
08/02/2011	752456	20	Head on	2-way undivided	Wet	Daylight	-	1	North	Other classified road	WARDELL	Rd	200	North	LUMLEYS	Lane	Meerschaum Val	Ballina	80	2	Non-fatal	Yes	No or unknown	-28.926438	153.434973	0	C	Tuesday	1045	Urban	Sealed	Heavy vehicle	38	Male
29/03/2011	752582	20	Head on	2-way undivided	Dry	Daylight	-	3	East	Unclassified road	SALAMANDER	Way	600	West	TOWN CENTRE	Cct	Salamander Bay	Port Stephens	60	2	Non-fatal	No or unknown	No or unknown	-32.740345	152.100742	0	C	Tuesday	1720	Urban	Sealed	Passenger vehicle	61	Male
31/01/2011	752601	20	Head on	2-way undivided	Dry	Daylight	-	1	West	State highway	GREAT WESTERN	Hwy	200	West	BROWNS GAP	Rd	Hartley	Lithgow	100	2	Non-fatal	No or unknown	No or unknown	-33.562090	150.198539	0	C	Monday	1100	Rural	Sealed	Passenger vehicle	48	Female
19/03/2011	752628	20	Head on	2-way undivided	Wet	Daylight	-	1	North	Other classified road	EASTERN ARTERI	Rd	120	North	BURRANEER	Ave	St Ives	Ku-Ring-Gai	60	3	Non-fatal	Yes	No or unknown	-33.747822	151.174244	0	C	Saturday	1030	Urban	Sealed	Heavy vehicle	38	Male
19/04/2011	752877	20	Head on	2-way undivided	Wet	Darkness	-	1	North	Other classified road	THE ANCHORAGE	Rd	155	AT	PIPECLAY	Hn	Northbridge	Willoughby	60	2	Non-fatal	No or unknown	No or unknown	-33.814144	151.271419	0	C	Sunday	1415	Urban	Sealed	Passenger vehicle	20	Male
22/02/2011	752700	20	Head on	2-way undivided	Dry	Daylight	-	-	South	Unclassified road	THE RIVER	Rd	17000	North	KINGS	Hwy	Shoalhaven	Shoalhaven	60	2	Non-fatal	No or unknown	No or unknown	-35.541522	150.178334	0	C	Friday	1550	Urban	Unsealed	Passenger vehicle	48	Male
06/05/2011	752725	20	Head on	2-way undivided	Dry	Daylight	-	-	East	Unclassified road	KALIMNA	Dr	60	East	BOONAL	St	Baulkham Hills	The Hills	50	2	Non-fatal	No or unknown	No or unknown	-33.749148	150.974368	0	C	Friday	0827	Urban	Sealed	Passenger vehicle	62	Male
15/05/2011	752842	20	Head on	2-way undivided	Dry	Daylight	-	-	South	Other classified road	LADY WAKEHURST	Dr	1070	North	LAWRENCE HARGR	Dr	Otford	Wollongong	50	2	Non-fatal	Yes	No or unknown	-34.217061	150.999238	0	C	Sunday	1530	Urban	Sealed	Passenger vehicle	22	Male
15/05/2011	752854	20	Head on	2-way undivided	Dry	Darkness	-	2	South	Unclassified road	WOY WOY	Rd	180	South	BANYO	Ci	Horsfield Bay	Gosford	100	2	Non-fatal	Yes	No or unknown	-33.490639	151.299903	0	C	Sunday	1800	Urban	Sealed	Passenger vehicle	35	Male
25/04/2011	753050	20	Head on	2-way undivided	Dry	Daylight	-	-	West	Other classified road	WATERFALL	Way	1200	West	SHERRARD FALLS	Bdge	Dorrigo	Bellingen	100	2	Non-fatal	No or unknown	No or unknown	-30.382413	152.736452	0	C	Monday	1040	Rural	Sealed	Motorcycle	25	Male
26/04/2011	753054	20	Head on	Divided road	Dry	Darkness	-	1	East	Unclassified road	CITY WEST LINK	Rd	115	East	BALMAIN	Rd	Lilyfield	Leichhardt	100	3	Non-fatal	No or unknown	No or unknown	-33.874606	151.161996	1	C	Tuesday	0020	Urban	Sealed	Passenger vehicle	18	Male
30/04/2011	753088	20	Head on	2-way undivided	Dry	Daylight	-	1	East	Other classified road	HOMER	St	115	East	BAVVIEW	St	Earwood	Canterbury	50	3	Non-fatal	No or unknown	No or unknown	-33.923325	151.138758	0	C	Saturday	1130	Urban	Sealed	Passenger vehicle	48	Male
06/05/2011	753155	20	Head on	2-way undivided	Dry	Daylight	-	3	West	Unclassified road	PAPINBARRA	Rd	155	East	PURCELL	Rd	Beechwood	Port Macquarie-Hasstn	80	2	Non-fatal	No or unknown	No or unknown	-31.440303	152.850891	0	C	Friday	1530	Urban	Sealed	Passenger vehicle	28	Male
08/05/2011	753174	20	Head on	Divided road	Dry	Daylight	-	-	North	State highway	PACIFIC	Hwy	200	North	DIGGERS BEACH	Rd	Coffs Harbour	Coffs Harbour	60	2	Non-fatal	No or unknown	Yes	-30.272504	153.134971	3	C	Sunday	1145	Urban	Sealed	Passenger vehicle	40	Female
12/05/2011	753256	20	Head on	2-way undivided	Dry	Darkness	-	7	East	Other classified road	MONA VALE	Rd	340	East	INGLESIDE	Rd	Ingleside	Pittwater	70	3	Non-fatal	No or unknown	No or unknown	-33.681305	151.276549	0	C	Thursday	2204	Urban	Sealed	Passenger vehicle	84	Male
12/05/2011	753259	20	Head on	2-way undivided	Dry	Daylight	-	-	North	Unclassified road	TRAFALGAR	St	150	North	BOOTH	St	Annandale	Leichhardt	50	2	Non-fatal	No or unknown	Yes	-33.880668	151.172717	0	S	Thursday	1615	Urban	Sealed	Passenger vehicle	69	Male
15/05/2011	753356	20	Head on	2-way undivided	Dry	Darkness	-	-	West	Other classified road	GRESFORD	Rd	200	East	GLENDON	Rd	Singlton	Singlton	50	2	Non-fatal	No or unknown	Yes	-32.558935	151.199415	0	S	Sunday	0130	Urban	Sealed	Passenger vehicle	Unk	Male
20/05/2011	753552	20	Head on	2-way undivided	Dry	Darkness	-	1	South	Unclassified road	VINCENT	St	200	South	EVANS	St	Cessnock	Cessnock	60	2	Non-fatal	No or unknown	Yes	-32.848790	151.353640	0	C	Friday	2000	Urban	Sealed	Passenger vehicle	33	Male
03/05/2011	753904	20	Head on	2-way undivided	Wet	Daylight	-	1	South	Other classified road	REMEMBRANCE	Dr	1700	North	FINNS	Rd	Razorback Rang	Wollondilly	80	2	Non-fatal	Yes	No or unknown	-34.107594	150.698148	0	C	Tuesday	0953	Urban	Sealed	Passenger vehicle	20	Female
10/05/2011	753968	20	Head on	2-way undivided	Dry	Daylight	-	-	West	Unclassified road	GROSE VALE	Rd	300	West	GROSE RIVER	Rd	Grose Vale	Hawkesbury	70	2	Non-fatal	No or unknown	No or unknown	-33.587821	150.694159	0	C	Tuesday	1535	Urban	Sealed	Passenger vehicle	52	Male
18/05/2011	754072	20	Head on	2-way undivided	Dry	Darkness	-	-	North	Unclassified road	SECONO	Ave	50	North	EIGHTH	Ave	Campsie	Canterbury	50	2	Non-fatal	No or unknown	Yes	-33.907296	151.095951	0	S	Wednesday	1859	Urban	Sealed	Passenger vehicle	25	Female
24/05/2011	754078	20	Head on	2-way undivided	Dry	Darkness	-	-	North	Other classified road	THE ANCHORAGE	Dr	50	North	MARTIN	Rd	Westneys Creek	Liverpool	80	2	Non-fatal	No or unknown	No or unknown	-33.878692	150.966996	0	S	Wednesday	2130	Urban	Sealed	Passenger vehicle	40	Female
20/05/2011	754136	20	Head on	2-way undivided	Dry	Daylight	-	-	North	Unclassified road	MANN	St	100	South	ETNA	St	Gosford	Liverpool	60	2	Non-fatal	No or unknown	Yes	-33.419923	151.343299	0	S	Friday	1320	Urban	Sealed	Passenger vehicle	81	Male
24/05/2011	754232	20	Head on	2-way undivided	Wet	Darkness	-	1	West	Unclassified road	SWAN	St	50	West	GEORGE	St	Morpeth	Maitland	50	2	Non-fatal	No or unknown	Yes	-32.724500	151.633673	0	S	Tuesday	2000	Urban	Sealed	Passenger vehicle	46	

22/07/2011	764609	20	Head on	2-way undivided	Wet	Daylight	-	1	East	Unclassified road	GALE	Rd	50	East	ANZAC	Pde	Maroubra	Randwick	80	2	Non-fatal	No or unknown	No or unknown	No or unknown	-33.938544	151.239386	0	S	Friday	1130	Urban	Sealed	Passenger vehicle	46	Female
05/10/2011	764615	20	Head on	2-way undivided	Dry	Darkness	-	3	North	Other classified road	OLYMPIC	Hwy	10000	North	HENRY LAWSON	Way	Young	Young	100	2	Fatal	No or unknown	Yes	Yes	-34.262926	148.389383	0	S	Wednesday	0245	Rural	Sealed	Heavy vehicle	58	Male
08/10/2011	764619	20	Head on	2-way undivided	Wet	Daylight	-	2	North	Unclassified road	POTTSVILLE	Rd	5000	South	CUDGERA CREEK	Rd	Sleepy Hollow	Tweed	80	2	Fatal	Yes	No or unknown	No or unknown	-28.424076	153.528229	0	S	Saturday	1210	Urban	Sealed	Passenger vehicle	37	Male
14/03/2011	764638	20	Head on	2-way undivided	Wet	Daylight	-	-	North	Unclassified road	SILVERDALE	Rd	50	South	ECONO	Pi	Silverdale	Wollondilly	60	2	Non-fatal	No or unknown	No or unknown	No or unknown	-33.893610	150.61211	0	S	Monday	1100	Urban	Sealed	Heavy vehicle	28	Male
07/08/2011	764728	20	Head on	2-way undivided	Dry	Daylight	-	-	North	Unclassified road	SEVEN MILE	Rd	4065	South	BROKEN HEAD	Tn	Broken Head	Byron	2	2	Non-fatal	No or unknown	No or unknown	No or unknown	-28.728785	153.608194	0	C	Sunday	1110	Urban	Unsealed	Passenger vehicle	37	Male
18/08/2011	764755	20	Head on	2-way undivided	Wet	Daylight	-	-	North	Unclassified road	NAROOMA	Ave	30	South	GADARA	Dr	Jamiesontown	Penrith	50	2	Non-fatal	No or unknown	No or unknown	No or unknown	-33.780723	150.689205	0	C	Thursday	0845	Urban	Sealed	Passenger vehicle	41	Male
20/08/2011	764800	20	Head on	Divided road	Wet	Darkness	-	-	East	State highway	GREAT WESTERN	Hwy	2000	West	THE AVENUE	Ms	Warrimoo	Blue Mountains	80	2	Non-fatal	No or unknown	No or unknown	No or unknown	-33.721368	150.595652	2.1	C	Saturday	2050	Urban	Sealed	Passenger vehicle	27	Male
21/08/2011	764838	20	Head on	2-way undivided	Wet	Daylight	-	-	West	Other classified road	KINGS	Hwy	3000	West	GOVERNMENT BEN	Ot	Burckombrowa	Eurobodalla	60	2	Non-fatal	Yes	No or unknown	No or unknown	-35.546310	149.959401	0	C	Sunday	1040	Urban	Sealed	Passenger vehicle	47	Male
22/08/2011	764843	20	Head on	2-way undivided	Wet	Daylight	-	-	East	Unclassified road	WARRIWOOD	Rd	600	North	WARRIWOOD	Rd	Warrimoo	Warrimoo	100	2	Non-fatal	No or unknown	No or unknown	No or unknown	-33.721368	150.595652	0	C	Sunday	0745	Urban	Sealed	Passenger vehicle	45	Female
22/08/2011	764854	20	Head on	2-way undivided	Wet	Daylight	-	-	East	State highway	ILLAWARRA	Hwy	1100	East	CLOVER HILL	Rd	Macquarie Pass	Shellharbour	60	2	Non-fatal	No or unknown	No or unknown	No or unknown	-34.570673	150.668181	0	C	Monday	0830	Urban	Sealed	Passenger vehicle	25	Female
02/08/2011	764993	20	Head on	2-way undivided	Dry	Daylight	-	-	East	Other classified road	GEORGE BOOTH	Dr	470	East	MT SUGAR LOAF	Rd	Seahampton	Lake Macquarie	80	2	Non-fatal	No or unknown	Yes	Yes	-32.890911	151.577000	0	C	Tuesday	0715	Urban	Sealed	Passenger vehicle	57	Female
06/08/2011	765019	20	Head on	2-way undivided	Dry	Darkness	-	-	East	Other classified road	STONEY CREEK	Rd	90	West	STEPHEN	St	Beverly Hills	Hurstville	70	3	Non-fatal	Yes	Yes	Yes	-33.956830	151.076008	0	C	Saturday	0005	Urban	Sealed	Passenger vehicle	17	Male
08/08/2011	765040	20	Head on	2-way undivided	Wet	Darkness	-	-	South	Other classified road	CAMPBELLTOWN	Rd	1400	South	BLOMFIELD	Rd	Denham Court	Campbelltown	100	2	Non-fatal	No or unknown	No or unknown	No or unknown	-33.993637	150.844713	0	C	Monday	1630	Urban	Sealed	Passenger vehicle	54	Female
09/08/2011	765057	20	Head on	2-way undivided	Dry	Daylight	-	-	East	Other classified road	WATERFALL	Way	700	West	SWEEDMANS	Lane	Fernmount	Bellingen	100	2	Non-fatal	No or unknown	No or unknown	No or unknown	-30.467516	152.956545	0	S	Tuesday	1615	Rural	Sealed	Passenger vehicle	24	Male
12/08/2011	765080	20	Head on	2-way undivided	Dry	Daylight	-	-	West	State highway	NEW ENGLAND	Hwy	700	West	BAYSWATER	Ck	Liddell	Singleton	100	2	Non-fatal	No or unknown	No or unknown	No or unknown	-32.411598	151.021903	0	C	Friday	1240	Rural	Sealed	Heavy vehicle	20	Male
17/08/2011	765163	20	Head on	Divided road	Wet	Daylight	-	-	West	Other classified road	VICTORIA	Rd	150	East	DEVILIN	St	Ryde	Ryde	60	2	Non-fatal	No or unknown	No or unknown	No or unknown	-33.816350	151.104483	1.5	C	Wednesday	1630	Urban	Sealed	Passenger vehicle	46	Female
18/08/2011	765192	20	Head on	2-way undivided	Wet	Daylight	-	-	East	Other classified road	LITTLE SUGARLO	Rd	9100	West	WESTERN BOUNDA	Rd	Neargundah	Eurobodalla	100	2	Non-fatal	No or unknown	No or unknown	No or unknown	-36.029881	149.935928	0	C	Thursday	1530	Urban	Unsealed	Passenger vehicle	33	Male
18/08/2011	765210	20	Head on	2-way undivided	Dry	Darkness	-	-	East	Other classified road	LISMORE	Rd	1030	West	FRIDAY HUT	Rd	Binna Burra	Byron	80	2	Non-fatal	No or unknown	No or unknown	No or unknown	-28.710232	153.489285	0	C	Thursday	1830	Urban	Sealed	Heavy vehicle	Unk	Unknown
18/08/2011	765211	20	Head on	2-way undivided	Dry	Daylight	-	-	South	Other classified road	WERRIS CREEK	Rd	5000	North	QUIRINDI	Tn	Quirindi	Liverpool Plains	100	2	Non-fatal	No or unknown	Yes	Yes	-31.455128	150.645795	0	C	Thursday	1630	Rural	Sealed	Passenger vehicle	61	Female
19/08/2011	765217	20	Head on	2-way undivided	Wet	Daylight	-	-	East	Unclassified road	MORETON PARK	Rd	1000	East	DOUGLAS PARK	Dr	Douglas Park	Wollondilly	80	2	Non-fatal	Yes	No or unknown	No or unknown	-34.183271	150.722318	0	C	Friday	0845	Urban	Sealed	Passenger vehicle	63	Male
20/08/2011	765253	20	Head on	2-way undivided	Wet	Darkness	-	-	Unknown	Other classified road	EASTERN ARTERY	Rd	100	North	BURRANEER	Ave	St Ives	Ku-Ring-Gai	60	2	Non-fatal	Yes	No or unknown	No or unknown	-33.747995	151.174273	0	C	Saturday	2130	Urban	Sealed	Passenger vehicle	19	Male
23/08/2011	765330	20	Head on	2-way undivided	Wet	Daylight	-	-	South	State highway	PACIFIC	Hwy	4000	North	ULMARRA	Hwy	Ulmarra	Clarence Valley	100	3	Non-fatal	No or unknown	No or unknown	No or unknown	-29.597322	153.041139	0	S	Tuesday	1236	Rural	Sealed	Passenger vehicle	59	Male
25/08/2011	765386	20	Head on	2-way undivided	Dry	Daylight	-	-	South	Unclassified road	JERRARA	Rd	1000	South	SOUTH MARULAN	Rd	Marulan	Goulburn Mulwaree	90	2	Non-fatal	No or unknown	No or unknown	No or unknown	-34.738748	149.977039	0	S	Thursday	1600	Rural	Sealed	Passenger vehicle	50	Male
27/08/2011	765492	20	Head on	2-way undivided	Dry	Daylight	-	-	West	Unclassified road	CORDEAUX	Rd	130	East	BOOREEA	Bvd	Cordeaux Heigh	Wollongong	60	2	Non-fatal	Yes	No or unknown	No or unknown	-34.439826	150.83928	0	C	Saturday	1525	Urban	Sealed	Passenger vehicle	19	Male
30/08/2011	765557	20	Head on	2-way undivided	Dry	Daylight	-	-	West	Unclassified road	GREYCLIFFE	St	50	West	NT STEYNE	Ms	Queenscliff	Warrington	50	2	Non-fatal	No or unknown	No or unknown	No or unknown	-33.784492	151.287231	0	C	Tuesday	1630	Urban	Sealed	Passenger vehicle	77	Male
30/08/2011	765563	20	Head on	2-way undivided	Dry	Daylight	-	-	East	Unclassified road	CORDEAUX	Rd	130	East	BOOREEA	Bvd	Cordeaux Heigh	Wollongong	60	2	Non-fatal	No or unknown	No or unknown	No or unknown	-33.839360	150.83928	0	C	Thursday	0710	Rural	Unsealed	Motorcycle	51	Male
10/07/2011	765599	20	Head on	2-way undivided	Dry	Daylight	-	-	North	Other classified road	MT LINDESEY	Rd	10000	North	TOOLOOM	Rd	Koreelah	Tenterfield	100	2	Non-fatal	No or unknown	No or unknown	No or unknown	-28.932568	152.439525	0	C	Sunday	1510	Urban	Sealed	Motorcycle	51	Male
16/08/2011	765718	20	Head on	2-way undivided	Dry	Darkness	-	-	East	Unclassified road	GLENFERFER	Rd	440	East	VALERY	Rd	Pine Creek	Coffs Harbour	60	2	Non-fatal	No or unknown	No or unknown	No or unknown	-30.387847	152.961808	0	C	Tuesday	1635	Urban	Unsealed	Heavy vehicle	37	Male
28/08/2011	765873	20	Head on	2-way undivided	Dry	Daylight	-	-	South	Other classified road	BRISBANE WATER	Dr	480	North	COUCHE	Cres	Koolweong	Gosford	80	3	Non-fatal	No or unknown	No or unknown	No or unknown	-33.461774	151.313581	0	C	Sunday	1245	Urban	Sealed	Passenger vehicle	32	Male
01/09/2011	765948	20	Head on	2-way undivided	Dry	Darkness	-	-	North	Unclassified road	FOREST	Rd	37	South	VALENTIA	Ave	Lugarno	Hurstville	60	2	Non-fatal	No or unknown	No or unknown	No or unknown	-33.979766	151.045817	0	C	Thursday	1745	Urban	Sealed	Passenger vehicle	58	Female
01/09/2011	765949	20	Head on	2-way undivided	Dry	Darkness	-	-	East	Other classified road	CORAKI	Rd	100	West	FLETTS	Lane	Swan Bay	Richmond Valley	100	2	Non-fatal	No or unknown	Yes	Yes	-29.061411	153.326229	0	C	Thursday	1630	Rural	Sealed	Passenger vehicle	31	Male
28/10/2011	766014	20	Head on	2-way undivided	Dry	Daylight	-	-	East	State highway	OXLEY	Hwy	2300	East	KAMILAROI	Hwy	Gunnedah	Gunnedah	100	2	Fatal	No or unknown	Yes	Yes	-30.979728	150.297741	0	S	Friday	1341	Rural	Sealed	Passenger vehicle	47	Male
31/10/2011	766015	20	Head on	2-way undivided	Dry	Daylight	-	-	East	Other classified road	COONABARABRAN	Rd	300	West	ELLERSLIE	St	Premier	Liverpool Plains	100	2	Fatal	No or unknown	No or unknown	No or unknown	-31.451234	149.898362	0	C	Monday	1396	Rural	Sealed	Heavy vehicle	34	Male
18/04/2011	766085	20	Head on	2-way undivided	Dry	Darkness	-	-	North	Unclassified road	LADY GAMB	Dr	50	North	MILLWOOD	Ave	West Chatswood	Willoughby	60	3	Non-fatal	Yes	No or unknown	Yes	-33.752158	151.157465	0	S	Monday	1900	Urban	Sealed	Passenger vehicle	18	Male
19/05/2011	766098	20	Head on	2-way undivided	Dry	Daylight	-	-	North	Other classified road	FULLERS	Rd	205	East	GREVILLE	St	West Chatswood	Willoughby	60	3	Non-fatal	No or unknown	No or unknown	No or unknown	-33.796301	151.170751	0	S	Thursday	1500	Urban	Sealed	Passenger vehicle	29	Male
27/08/2011	766149	20	Head on	2-way undivided	Dry	Darkness	-	-	East	Unclassified road	NORTH	St	60	East	BERRY	St	Norwa	Shoalhaven	60	2	Non-fatal	No or unknown	No or unknown	No or unknown	-34.872444	150.801686	0	S	Saturday	1905	Urban	Sealed	Heavy vehicle	Unk	Unknown
28/08/2011	766158	20	Head on	2-way undivided	Dry	Darkness	-	-	West	Unclassified road	SLOPES	Rd	720	East	COMLEROY	Rd	Kurrajong	Hawkesbury	60	2	Non-fatal	No or unknown	No or unknown	No or unknown	-33.529584	150.696750	0	C	Sunday	1900	Urban	Sealed	Passenger vehicle	78	Male
30/08/2011	766161	20	Head on	2-way undivided	Wet	Darkness	-	-	South	Unclassified road	DUMARESQ DAM	Rd	3875	North	BOORALONG	Rd	Dumaresq	Armidale Dumaresq	100	2	Non-fatal	Yes	No or unknown	No or unknown	-30.437523	151.930205	0	C	Tuesday	1830	Rural	Sealed	Passenger vehicle	33	Male
27/07/2011	766175	20	Head on	2-way undivided	Dry	Daylight	-	-	North	Other classified road	BELLS LINE OF	Rd	715	South	REDBANK	Rd	North Richmond	Hawkesbury	60	2	Non-fatal	No or unknown	No or unknown	No or unknown	-33.572211	150.711334	0	C	Wednesday	0600	Urban	Sealed	Passenger vehicle	34	Male
24/08/2011	766205	20	Head on	Divided road	Dry	Darkness	-	-	North	Other classified road	TORONTO	Rd	20	North	RENS	St	Booragul	Lake Macquarie	70	3	Non-fatal	Yes	No or unknown	No or unknown	-32.972548	151.606242	3	C	Wednesday	2015	Urban	Sealed	Passenger vehicle	21	Male
04/09/2011	766354	20	Head on	L-junction	Wet	Daylight	-	-	South	Unclassified road	HOWARD	St	0	AT	VALLEY	Rd	Linfield	Ku-Ring-Gai	50	2	Non-fatal	No or unknown	No or unknown	No or unknown	-33.774656	151.175466	0	C	Sunday	1110	Urban	Sealed	Passenger vehicle	42	Female
04/09/2011	766373	20	Head on	2-way undivided	Dry	Darkness	-	-	South	Other classified road	THE NORTHERN	Rd	50	North	FIFTH	Ave	Landilo	Penrith	80	2	Non-fatal	No or unknown	No or unknown	No or unknown	-33.698844	150.727448	0	S	Sunday	2225	Urban	Sealed	Passenger vehicle	62	Male
05/09/2011	766400	20	Head on	Divided road	Dry	Darkness	-	-	South	State highway	HUME	Hwy	850	South	BRUNING	Ck	Bowering	Yass Valley	100	2	Non-fatal	No or unknown	No or unknown	No or unknown	-33.770244	148.98928	2.48	S	Monday	1930	Urban	Sealed	Passenger vehicle	36	Male
06/08/2011	766525	20	Head on	2-way undivided	Wet	Daylight	-	-	North	Other classified road	PURTY	Rd	28500	South	MILBRODALE	St	Singleton	Hwy	100	2	Non-fatal	No or unknown	No or unknown	No or unknown	-32.837529	150.850831	0	C	Saturday						

26/08/2011	776951	20	Head on	2-way undivided	Dry	Darkness	-	1	South	Other classified road	BEXLEY	Rd	50	North	HOMER	St	Earwood	Canterbury	80	2	Non-fatal	No or unknown	Yes	-33.932194	151.109950	0	S	Friday	1800	Urban	Sealed	Passenger vehicle	34	Male
13/09/2011	776957	20	Head on	2-way undivided	Dry	Daylight	-	1	West	Unclassified road	BISHOPS	Lane	220	West	TINONEE	Rd	Montrose	Greater Taree	60	2	Non-fatal	No or unknown	No or unknown	-31.919099	152.402772	0	C	Tuesday	1445	Urban	Unsealed	Heavy vehicle	28	Male
30/05/2011	776961	20	Head on	2-way undivided	Wet	Daylight	-	2	West	Unclassified road	RABY	Rd	1400	West	THUNDERBOLT	Dr	Catherine Fiel	Camden	70	2	Non-fatal	No or unknown	No or unknown	-34.008749	150.794935	0	C	Monday	1150	Urban	Sealed	Heavy vehicle	48	Male
01/12/2011	777020	20	Head on	2-way undivided	Dry	Daylight	-	2	East	Unclassified road	PEACHTREE	Rd	1000	West	MEGALONG	Rd	Megalong	Blue Mountains	60	2	Non-fatal	No or unknown	Yes	-33.692520	150.244680	0	C	Thursday	1830	Urban	Unsealed	Heavy vehicle	49	Male
12/10/2011	777084	20	Head on	2-way undivided	Dry	Darkness	-	5	North	State highway	PACIFIC	Hwy	15000	South	GRAFTON	Tn	Glengrie	Clarence Valley	100	2	Non-fatal	Yes	No or unknown	-29.808379	153.032581	0	C	Wednesday	1900	Rural	Sealed	Passenger vehicle	36	Female
25/10/2011	777092	20	Head on	2-way undivided	Dry	Daylight	-	1	North	Other classified road	OCEAN	Dr	500	South	GREENMEADOWS	Dr	Port Macquarie	Port Macquarie-Hastin	80	2	Non-fatal	No or unknown	No or unknown	-31.461065	152.896524	0	C	Tuesday	1230	Urban	Sealed	Passenger vehicle	65	Male
16/11/2011	777179	20	Head on	2-way undivided	Dry	Daylight	-	1	East	Unclassified road	RHONDDA	Rd	2100	West	RAILWAY	St	Teraraba	Lake Macquarie	70	2	Non-fatal	No or unknown	Yes	-32.953929	151.585094	0	C	Wednesday	1645	Urban	Sealed	Heavy vehicle	20	Male
23/11/2011	777173	20	Head on	2-way undivided	Wet	Daylight	-	1	North	Other classified road	CORAMBA	Rd	300	East	MT BROWNE	Rd	Karangi	Coffs Harbour	80	2	Non-fatal	Yes	No or unknown	-30.274124	153.053463	0	C	Wednesday	1424	Urban	Sealed	Passenger vehicle	29	Female
23/11/2011	777176	20	Head on	2-way undivided	Dry	Daylight	-	1	East	Other classified road	EARWOOD	St	200	West	EARWOOD	St	Earwood	Earwood	70	2	Non-fatal	No or unknown	Yes	-33.928785	151.099055	0	C	Thursday	0905	Urban	Sealed	Passenger vehicle	23	Male
23/11/2011	777179	20	Head on	2-way undivided	Dry	Daylight	-	1	East	Other classified road	GALSTON	Rd	1200	South	FISHBURN	Rd	Galston	Hornsby	60	2	Non-fatal	Yes	No or unknown	-33.657088	151.069041	0	C	Wednesday	1805	Urban	Sealed	Passenger vehicle	23	Male
24/11/2011	777190	20	Head on	2-way undivided	Wet	Daylight	-	1	North	Other classified road	PINNACLE	Rd	715	South	CANOBOLAS	Rd	Canobolas	Orange	80	2	Non-fatal	No or unknown	No or unknown	-33.303042	149.073378	0	C	Thursday	1440	Urban	Sealed	Passenger vehicle	39	Female
25/11/2011	777200	20	Head on	2-way undivided	Dry	Daylight	-	1	West	Other classified road	THE ESCORT	Way	520	East	BOUNDARY	St	Cudal	Clabonne	50	2	Non-fatal	No or unknown	No or unknown	-33.280513	148.750733	0	C	Friday	1513	Urban	Sealed	Passenger vehicle	24	Male
27/11/2011	777210	20	Head on	2-way undivided	Dry	Daylight	-	2	East	Unclassified road	SHERWOOD	Rd	5210	East	GLENREAGH	Tn	Glenreagh	Clarence Valley	80	2	Non-fatal	No or unknown	No or unknown	-30.028275	153.010799	0	C	Sunday	1555	Urban	Unsealed	Heavy vehicle	18	Male
07/12/2011	777330	20	Head on	Divided road	Wet	Darkness	-	1	East	Other classified road	DOBROYD	Pde	300	West	BOOMERANG	St	Haberfield	Ashfield	70	2	Non-fatal	Yes	No or unknown	-33.870490	151.142917	2.15	S	Wednesday	2110	Urban	Sealed	Passenger vehicle	34	Male
07/12/2011	777347	20	Head on	2-way undivided	Dry	Daylight	-	2	West	Other classified road	HEATHCOTE	Dr	1310	West	PRINCES	Hwy	Engadine	Sutherland	70	2	Non-fatal	No or unknown	Yes	-34.072697	151.001290	0	S	Wednesday	0530	Urban	Sealed	Passenger vehicle	22	Male
17/10/2011	777474	20	Head on	2-way undivided	Dry	Daylight	-	2	East	Unclassified road	FALLON	St	190	West	RACECOURSE	Rd	Albury	Albury	80	2	Non-fatal	No or unknown	No or unknown	-36.066707	146.555541	0	C	Monday	1405	Urban	Sealed	Heavy vehicle	41	Male
01/11/2011	777480	20	Head on	2-way undivided	Dry	Daylight	-	2	South	Unclassified road	CANTERBURY	Ave	85	South	CANTERBURY	Rd	Bankstown	Bankstown	50	2	Non-fatal	No or unknown	No or unknown	-33.934359	151.026920	0	C	Tuesday	1330	Urban	Sealed	Passenger vehicle	27	Male
02/11/2011	777482	20	Head on	2-way undivided	Dry	Daylight	-	2	East	Unclassified road	AIKEN	Rd	100	East	ORATAVA	Ave	West Pennant H	The Hills	50	3	Non-fatal	No or unknown	No or unknown	-33.754100	151.033603	0	C	Wednesday	1720	Urban	Sealed	Passenger vehicle	49	Female
08/11/2011	777492	20	Head on	2-way undivided	Wet	Daylight	-	1	East	Other classified road	KINGS	Hwy	1200	West	GOVERNMENT BEN	Ot	Currawan	Eurobodalla	70	2	Non-fatal	No or unknown	No or unknown	-35.547631	149.972969	0	C	Tuesday	0915	Urban	Sealed	Passenger vehicle	59	Female
08/12/2011	777655	20	Head on	Divided road	Wet	Daylight	-	1	South	State highway	PRINCES	Hwy	1000	South	OLD PRINCES	Hwy	Sutherland	Eurobodalla	70	2	Non-fatal	Yes	No or unknown	-34.032536	151.066680	1.3	S	Thursday	1130	Urban	Sealed	Passenger vehicle	50	Female
12/10/2011	777692	20	Head on	2-way undivided	Dry	Daylight	-	2	North	Other classified road	CANTERBURY	Rd	80	South	HARROW	Rd	Glenfield	Campbelltown	50	2	Non-fatal	No or unknown	No or unknown	-33.981506	150.897908	0	C	Wednesday	1500	Urban	Sealed	Passenger vehicle	43	Male
28/12/2011	777601	20	Head on	2-way undivided	Dry	Daylight	-	2	East	Other classified road	ELIZABETH	Dr	500	West	WESTERN	Rd	Kemps Creek	Liverpool	60	2	Non-fatal	Yes	No or unknown	-33.878926	150.776297	0	S	Wednesday	1610	Urban	Sealed	Passenger vehicle	60	Female
10/02/2012	777608	20	Head on	2-way undivided	Wet	Daylight	1	8	West	State highway	GWYDIR	Hwy	1300	West	HEFFRONS LOOKO	Ot	Gibraltar Rang	Gen Innes Severn	100	2	Fatal	No or unknown	No or unknown	-29.457844	152.357562	0	C	Friday	1530	Rural	Sealed	Heavy vehicle	56	Male
25/09/2011	777649	20	Head on	2-way undivided	Wet	Daylight	-	4	North	Unclassified road	SHORT CUT	Rd	500	South	WATERFALL	Way	Raleigh	Bellingen	80	2	Non-fatal	Yes	No or unknown	-30.473261	152.986295	0	C	Sunday	1320	Urban	Sealed	Passenger vehicle	63	Female
03/12/2011	777651	20	Head on	2-way undivided	Dry	Daylight	-	1	South	Unclassified road	SERPENTINE	Lane	850	South	BOWEN MOUNTAIN	Rd	Bowen Mountain	Hawkesbury	50	2	Non-fatal	No or unknown	No or unknown	-33.573260	150.635557	0	C	Saturday	1430	Urban	Unsealed	motorcycle	12	Male
08/12/2011	777653	20	Head on	2-way undivided	Wet	Daylight	-	1	West	Other classified road	THE MOUNTAINS	Hwy	1200	West	NORTH MACQUARI	Rd	North Macquarie	North Macquarie	100	2	Non-fatal	No or unknown	No or unknown	-33.578563	150.786800	0	C	Thursday	0800	Urban	Sealed	Passenger vehicle	30	Male
10/12/2011	777680	20	Head on	2-way undivided	Dry	Daylight	-	1	West	Other classified road	WARRADERRY	Rd	4900	West	FISH FOUNTAIN	Dr	Goolongong	Clabonne	100	2	Non-fatal	No or unknown	No or unknown	-33.577282	148.488486	0	C	Saturday	1315	Rural	Sealed	Heavy vehicle	30	Male
11/12/2011	777807	20	Head on	2-way undivided	Wet	Darkness	-	5	South	Other classified road	CAMDEN VALLEY	Way	200	South	SPRINGFIELD	Rd	Catherine Fiel	Camden	80	3	Non-fatal	No or unknown	Yes	-34.011418	150.769078	0	C	Sunday	2130	Urban	Sealed	Passenger vehicle	34	Male
11/12/2011	777812	20	Head on	2-way undivided	Wet	Daylight	-	1	West	Unclassified road	REPENTANCE CRE	Rd	1725	West	MAFEKING	Rd	Federal	Byron	60	2	Non-fatal	Yes	No or unknown	-28.641117	153.415254	0	C	Sunday	1430	Urban	Sealed	Passenger vehicle	72	Female
12/12/2011	777817	20	Head on	2-way undivided	Wet	Daylight	-	3	South	Other classified road	HEATHCOTE	Rd	1180	South	ST GEORGE	Cres	Lucas Heights	Sutherland	80	2	Non-fatal	No or unknown	No or unknown	-33.993502	150.996787	0	C	Monday	1120	Urban	Sealed	Heavy vehicle	19	Male
12/12/2011	777821	20	Head on	2-way undivided	Wet	Daylight	-	2	South	Other classified road	PEEL	Rd	1500	North	PEEL	Tn	Wattle Flat	Bathurst Regional	100	2	Non-fatal	No or unknown	No or unknown	-33.186286	149.679832	0	C	Monday	0817	Rural	Sealed	Passenger vehicle	44	Female
12/12/2011	777831	20	Head on	2-way undivided	Wet	Daylight	-	1	North	Unclassified road	PERCIVAL	Rd	50	South	JUMAL	Pl	Smithfield	Holroyd	60	2	Non-fatal	No or unknown	Yes	-33.840802	150.905222	0	S	Monday	1630	Urban	Sealed	Passenger vehicle	71	Male
12/12/2011	777836	20	Head on	2-way undivided	Wet	Daylight	-	2	South	Other classified road	MENANGLE	Rd	270	South	FINNS	Rd	Menangle	Wollondilly	80	2	Non-fatal	Yes	No or unknown	-34.150759	150.722409	0	C	Monday	0910	Urban	Sealed	Heavy vehicle	24	Male
12/12/2011	777850	20	Head on	2-way undivided	Wet	Daylight	-	1	West	Other classified road	AVOCA	Dr	380	West	BOGGA BOGA	Rd	Kangumber	Gosford	60	2	Non-fatal	Yes	No or unknown	-33.469663	151.372931	0	C	Monday	0845	Urban	Sealed	Passenger vehicle	22	Female
20/11/2011	777851	20	Head on	2-way undivided	Wet	Darkness	-	4	North	Unclassified road	WOOD	Rd	40	North	OLD PACIFIC	Rd	Swansea	Lake Macquarie	50	2	Non-fatal	No or unknown	Yes	-33.092521	151.036397	0	C	Sunday	2133	Urban	Sealed	Heavy vehicle	19	Male
21/11/2011	777853	20	Head on	2-way undivided	Dry	Daylight	-	1	South	Unclassified road	PYE	Rd	100	South	QUAKERS HILL	Pkwy	Quakers Hill	Blacktown	50	2	Non-fatal	No or unknown	No or unknown	-33.731034	150.906321	0	S	Monday	1305	Urban	Unsealed	Passenger vehicle	43	Female
01/12/2011	777896	20	Head on	2-way undivided	Dry	Daylight	-	1	North	Other classified road	KIDMAN	Way	4000	South	SCHNEIDERS	Rd	Hillston	Carraothol	100	2	Non-fatal	No or unknown	Yes	-33.428280	145.726067	0	S	Thursday	0915	Rural	Sealed	Heavy vehicle	38	Male
10/12/2011	778108	20	Head on	2-way undivided	Dry	Daylight	-	1	South	Other classified road	BARRENJOEY	Rd	300	South	THE SERPENTINE	Ms	Avalon	Pittwater	50	2	Non-fatal	Yes	No or unknown	-33.642097	151.328851	0	C	Saturday	1540	Urban	Sealed	Passenger vehicle	28	Male
12/12/2011	778134	20	Head on	Divided road	Wet	Daylight	-	6	South	Other classified road	WANGI	Rd	35	South	MT WARING	Rd	Toronto	Lake Macquarie	60	3	Non-fatal	Yes	No or unknown	-33.015993	151.687132	1.9	C	Monday	1325	Urban	Sealed	Passenger vehicle	49	Female
12/12/2011	778140	20	Head on	2-way undivided	Wet	Daylight	-	1	East	Other classified road	KINGS	Hwy	4660	East	RIVER FOREST	Rd	Buckenbowa	Eurobodalla	70	2	Non-fatal	Yes	No or unknown	-35.547631	149.972970	0	C	Monday	0915	Urban	Sealed	Passenger vehicle	20	Male
13/12/2011	778170	20	Head on	2-way undivided	Dry	Daylight	-	1	South	Unclassified road	MULHERRON	Ave	0	AT	NUMBER 3	Hn	Baulkham Hills	The Hills	50	2	Non-fatal	No or unknown	No or unknown	-33.762130	150.973948	0	C	Tuesday	1200	Urban	Sealed	Passenger vehicle	33	Female
16/12/2011	778240	20	Head on	2-way undivided	Dry	Darkness	-	1	South	Other classified road	BARRENJOEY	Rd	100	South	THE CRESCENT	Ms	Avalon	Pittwater	50	2	Non-fatal	Yes	No or unknown	-33.638954	151.330150	0	C	Friday	2220	Urban	Sealed	Heavy vehicle	17	Male
20/12/2011	778260	20	Head on	2-way undivided	Dry	Daylight	-	1	South	State highway	PACIFIC	Hwy	15000	South	GRAFTON	Tn	Glengrie	Clarence Valley	100	2	Non-fatal	No or unknown	No or unknown	-29.808379	153.032581	0	C	Wednesday	0745	Rural	Sealed	Passenger vehicle	41	Male
11/11/2011	778355	20	Head on	2-way undivided	Dry	Daylight	-	2	South	Other classified road	CAMDEN VALLEY	Way	500	North	COBBITTY	Way	Camden	Camden	80	2	Non-fatal	No or unknown	Yes	-34.016046	150.763731	0	S	Friday	1550	Urban	Sealed	Passenger vehicle	59	Male
04/12/2011	778405	20	Head on	2-way undivided	Wet	Daylight	-	4	West	Other classified road	MCWRAY	Rd	210	West	RALSTON	St	North Lane Cw	Willoughby	50	2	Non-fatal	No or unknown	No or unknown	-33.807681	151.171784	0	C	Sunday	1430	Urban	Sealed	Passenger vehicle</		

16/04/2012	792339	20	Head on	2-way undivided	Wet	Daylight	-	-	East	Unclassified road	THE POCKET	Rd	80	East	THE POCKET SCH	Ot	The Pocket	Byron	80	2	Non-fatal	No or unknown	No or unknown	-28.505270	153.481378	0	C	Monday	1620	Urban	Sealed	Passenger vehicle	20	Male
16/04/2012	792340	20	Head on	2-way undivided	Dry	Darkness	-	4	South	Other classified road	WINDSOR	Rd	60	North	CAMPBELL	St	Northern	Parramatta	80	3	Non-fatal	No or unknown	No or unknown	-33.788641	150.995088	0	C	Monday	1700	Urban	Sealed	Passenger vehicle	21	Male
19/04/2012	792402	20	Head on	2-way undivided	Wet	Daylight	-	1	East	Other classified road	BURRAGORANG	Rd	600	East	WINESHOP	Rd	Oakdale	Wollondilly	80	2	Non-fatal	Yes	No or unknown	-34.074274	150.531614	0	C	Thursday	0845	Urban	Sealed	Passenger vehicle	50	Female
26/04/2012	792567	20	Head on	2-way undivided	Dry	Daylight	-	3	South	State highway	PRINCES	Hwy	250	North	KIANGA FOREST	Rd	Kianga	Eurobodalla	100	2	Non-fatal	No or unknown	Yes	-36.189948	150.116854	0	S	Thursday	1510	Rural	Sealed	Passenger vehicle	29	Male
03/04/2012	792603	20	Head on	2-way undivided	Dry	Darkness	-	-	East	Unclassified road	MAITLAND VALE	Rd	2065	East	MELVILLE FORD	Rd	Maitland Vale	Maitland	2	2	Non-fatal	Yes	No or unknown	-32.671875	151.534582	0	C	Tuesday	1930	Urban	Sealed	Heavy vehicle	22	Male
04/04/2012	792607	20	Head on	Divided road	Dry	Daylight	-	-	South	Unclassified road	MORRISON	Rd	50	South	MITCHELL	St	Putney	Ryde	50	2	Non-fatal	No or unknown	No or unknown	-33.825677	151.114988	1	C	Wednesday	0750	Urban	Sealed	Passenger vehicle	22	Male
08/04/2012	792640	20	Head on	2-way undivided	Dry	Daylight	-	1	North	Other classified road	TARAGO	Rd	740	North	TAYLORS CREEK	Rd	Tarago	Blackburn	100	2	Non-fatal	Yes	No or unknown	-35.143669	149.581026	0	C	Sunday	1100	Rural	Sealed	Motorcycle	40	Male
09/04/2012	792648	20	Head on	2-way undivided	Dry	Daylight	-	1	South	Other classified road	SHERBROOKE	St	250	South	SHERBROOKE	St	Ready Hill	Blackburn	60	4	Non-fatal	No or unknown	No or unknown	-33.772151	150.836468	0	S	Monday	1250	Urban	Sealed	Passenger vehicle	63	Male
21/04/2012	792658	20	Head on	2-way undivided	Dry	Daylight	-	1	South	Unclassified road	THE PARADE	Rd	15	South	THE PARADE	Rd	Durby Hill	Blackburn	100	2	Non-fatal	No or unknown	No or unknown	-35.808336	150.803209	0	S	Thursday	1245	Urban	Sealed	Passenger vehicle	31	Female
24/04/2012	792959	20	Head on	2-way undivided	Wet	Daylight	-	1	West	State highway	BRUXLMER	Hwy	3300	East	TABULAM	Tn	Malanganee	Kyggie	80	2	Non-fatal	No or unknown	Yes	-28.902107	152.871992	0	S	Tuesday	0655	Urban	Sealed	Heavy vehicle	25	Male
27/04/2012	793011	20	Head on	2-way undivided	Dry	Daylight	-	-	East	Unclassified road	TYAGLUM	Rd	100	East	SHARPS	Rd	Eungella	Tweed	100	2	Non-fatal	No or unknown	Yes	-28.349562	153.338512	0	C	Friday	0650	Rural	Sealed	Heavy vehicle	44	Male
28/04/2012	793065	20	Head on	2-way undivided	Dry	Darkness	-	1	East	Unclassified road	WEROMBI	Rd	200	East	SILVERDALE	Rd	Werombi	Wollondilly	80	2	Non-fatal	No or unknown	No or unknown	-33.977140	150.574348	0	S	Saturday	2015	Urban	Sealed	Passenger vehicle	47	Male
28/04/2012	793075	20	Head on	2-way undivided	Wet	Daylight	-	-	East	State highway	NEW ENGLAND	Hwy	40	East	GOONOO GOONOO	Rd	Tamworth	Tamworth Regional	60	2	Non-fatal	No or unknown	No or unknown	-31.110792	150.623753	0	S	Saturday	1500	Urban	Sealed	Passenger vehicle	18	Male
14/04/2012	793270	20	Head on	2-way undivided	Dry	Darkness	-	-	South	Unclassified road	FOOTTS	Rd	1400	North	FREDERICK	St	Ourimbah	Woy Woy	50	2	Non-fatal	Yes	No or unknown	-33.338437	151.371427	0	C	Saturday	1720	Urban	Unsealed	Passenger vehicle	21	Male
19/04/2012	793332	20	Head on	2-way undivided	Wet	Darkness	-	-	South	Unclassified road	EMPIRE BAY	Dr	950	North	NAUTICAL VILLA	Ot	Kincumber	Gosford	60	2	Non-fatal	No or unknown	No or unknown	-33.474488	151.394474	0	C	Thursday	1900	Urban	Sealed	Passenger vehicle	66	Male
19/04/2012	793337	20	Head on	2-way undivided	Wet	Daylight	-	1	North	Other classified road	BARRENJOEY	Rd	60	South	BURKE	St	Newport	Pittwater	3	3	Non-fatal	Yes	No or unknown	-33.650594	151.323288	0	C	Thursday	0930	Urban	Sealed	Passenger vehicle	36	Male
23/04/2012	793383	20	Head on	2-way undivided	Wet	Darkness	-	1	South	Unclassified road	SCENIC	Hwy	500	North	AVOCA	Dr	Picketts Vale	Gosford	80	2	Non-fatal	No or unknown	No or unknown	-33.431930	151.414899	0	C	Monday	1836	Urban	Sealed	Passenger vehicle	18	Female
02/05/2012	793542	20	Head on	2-way undivided	Dry	Daylight	-	1	West	State highway	MID WESTERN	Hwy	1550	West	DELAWARE	Cr	Evans Plains	Bathurst Regional	100	2	Non-fatal	Yes	No or unknown	-33.437208	149.523818	0	S	Wednesday	0905	Rural	Sealed	Passenger vehicle	69	Male
04/05/2012	793584	20	Head on	2-way undivided	Dry	Darkness	-	2	East	Other classified road	APPIN	Rd	2000	West	BADEN POWELL	Rd	Appin	Wollondilly	100	4	Non-fatal	No or unknown	No or unknown	-34.230394	150.817548	0	S	Friday	1750	Rural	Sealed	Heavy vehicle	39	Male
06/05/2012	793637	20	Head on	2-way undivided	Dry	Darkness	-	1	East	Other classified road	SYDNEY PARK	Rd	350	East	PRINCES	Hwy	Erskineville	Sydney	60	2	Non-fatal	No or unknown	Yes	-33.907303	151.185262	0	S	Sunday	2210	Urban	Sealed	Passenger vehicle	25	Male
07/05/2012	793648	20	Head on	2-way undivided	Dry	Daylight	-	1	South	Unclassified road	BELLAMY	St	50	South	THORN	St	Pennant Hills	Hornsby	50	2	Non-fatal	No or unknown	No or unknown	-33.732431	151.067616	0	S	Monday	0815	Urban	Sealed	Passenger vehicle	52	Male
09/05/2012	793694	20	Head on	2-way undivided	Dry	Darkness	-	1	North	Unclassified road	ALLAMBIE	Rd	40	North	KENTWELL	Rd	Allambie	Warringah	50	2	Non-fatal	Yes	No or unknown	-33.775326	151.261624	0	C	Wednesday	1830	Urban	Sealed	Heavy vehicle	64	Male
12/04/2012	793751	20	Head on	2-way undivided	Wet	Daylight	-	1	North	Unclassified road	NARARA VALLEY	Dr	1100	South	MANGROVE	Rd	Narara	Gosford	60	2	Non-fatal	No or unknown	No or unknown	-33.391273	151.346756	0	C	Thursday	1215	Urban	Sealed	Passenger vehicle	36	Female
02/03/2012	793843	20	Head on	2-way undivided	Wet	Daylight	-	-	West	Other classified road	CHIFLEY	Rd	150	East	EVELYN	St	Lithgow	Lithgow	60	2	Non-fatal	Yes	No or unknown	-33.469753	150.184458	0	C	Friday	1311	Urban	Sealed	Heavy vehicle	51	Male
06/05/2012	794021	20	Head on	2-way undivided	Dry	Daylight	-	1	North	Other classified road	JAMBEROO	Rd	1175	North	CURRAMORE	Rd	Jamberoo	Kiama	80	2	Non-fatal	No or unknown	No or unknown	-34.627119	150.777399	0	C	Sunday	1540	Urban	Sealed	Motorcycle	38	Male
06/05/2012	794023	20	Head on	2-way undivided	Dry	Daylight	-	1	South	Other classified road	PACIFIC	Hwy	999999	West	CURRAMORE	Uk	Curramore	Wagga Wagga	100	2	Non-fatal	No or unknown	No or unknown	-33.202598	147.808206	0	S	Monday	0818	Urban	Sealed	Heavy vehicle	49	Male
03/04/2012	794051	20	Head on	2-way undivided	Dry	Daylight	-	1	West	Other classified road	PICTON	Rd	300	West	ALMOND	Rd	Wilton	Wollondilly	90	4	Non-fatal	No or unknown	No or unknown	-34.240426	150.693227	0	C	Tuesday	1410	Rural	Sealed	Passenger vehicle	32	Male
13/04/2012	794077	20	Head on	2-way undivided	Wet	Daylight	-	3	North	Unclassified road	ELTHAM	Rd	0	AT	PEARCES CREEK	Bdge	Pearces Creek	Balina	100	2	Non-fatal	Yes	No or unknown	-28.776378	153.444438	0	C	Friday	1600	Rural	Sealed	Passenger vehicle	73	Female
15/04/2012	794086	20	Head on	2-way undivided	Dry	Daylight	-	4	South	State highway	MITCHELL	Hwy	1200	North	MILLTHORPE	Rd	Lucknow	Orange	100	2	Non-fatal	No or unknown	Yes	-33.366141	149.182108	0	S	Sunday	1455	Rural	Sealed	Passenger vehicle	45	Male
20/04/2012	794113	20	Head on	2-way undivided	Dry	Daylight	-	-	West	Unclassified road	PIPECLAY	Lane	2080	East	ULAN	Rd	Budge Budge	Mid-Western Region	100	2	Non-fatal	No or unknown	No or unknown	-32.545930	149.669112	0	C	Friday	1345	Rural	Unsealed	Passenger vehicle	49	Male
22/04/2012	794125	20	Head on	2-way undivided	Dry	Daylight	-	3	North	Other classified road	KYOGLE	Tweed	180	North	THREE	Rd	Murwillumbah	Bidge	80	3	Non-fatal	Yes	No or unknown	-28.335433	153.380750	0	C	Sunday	1230	Urban	Sealed	Passenger vehicle	23	Male
24/04/2012	794137	20	Head on	2-way undivided	Wet	Daylight	-	-	East	Other classified road	TERANIA	St	65	East	WILSON	St	North Lismore	Lismore	50	2	Non-fatal	No or unknown	No or unknown	-28.801191	153.263423	0	C	Tuesday	1420	Urban	Sealed	Passenger vehicle	49	Male
24/04/2012	794145	20	Head on	2-way undivided	Wet	Daylight	-	1	North	Other classified road	CAMPBELLTOWN	Rd	300	South	DENHAM COURT	Rd	Denham Court	Campbelltown	70	2	Non-fatal	Yes	No or unknown	-33.987156	150.844438	0	S	Tuesday	1310	Urban	Sealed	Heavy vehicle	48	Male
30/04/2012	794198	20	Head on	Divided road	Dry	Darkness	-	1	North	State highway	PACIFIC	Hwy	200	North	MOTCROWY LINK	Mls	Dayalton	Wylong	80	2	Non-fatal	Yes	No or unknown	-33.204998	151.518259	14.7	C	Monday	1900	Urban	Sealed	Passenger vehicle	89	Female
30/04/2012	794200	20	Head on	2-way undivided	Dry	Darkness	-	1	South	Other classified road	CAMDEN VALLEY	Way	300	South	STURR	Hwy	Catherine Field	Camden	80	2	Non-fatal	No or unknown	No or unknown	-33.995871	150.785837	0	S	Monday	1350	Urban	Sealed	Passenger vehicle	24	Female
03/05/2012	794250	20	Head on	2-way undivided	Dry	Daylight	-	-	South	Other classified road	EASTERN VALLEY	Way	50	North	DEEPWATER	Rd	Roseville	Willoughby	60	2	Non-fatal	No or unknown	Yes	-33.783616	151.198913	0	S	Thursday	1555	Urban	Sealed	Passenger vehicle	28	Female
10/05/2012	794432	20	Head on	2-way undivided	Dry	Darkness	-	1	West	State highway	RIVERINA	Hwy	900	East	BUNGOWANNAH	Rd	Bungowannah	Greater Hume	100	2	Non-fatal	No or unknown	No or unknown	-36.020511	146.774551	0	C	Thursday	1834	Rural	Sealed	Passenger vehicle	91	Male
12/05/2012	794488	20	Head on	2-way undivided	Dry	Daylight	-	1	West	Unclassified road	ST JOHNS	Rd	20	West	ASCOT	St	Cabramatta	Fairfield	100	2	Non-fatal	No or unknown	No or unknown	-33.888765	150.926483	0	S	Saturday	1310	Urban	Sealed	Motorcycle	8	Female
14/05/2012	794516	20	Head on	2-way undivided	Dry	Daylight	-	2	South	Other classified road	MAMRE	Rd	0	AT	NUMBER 1080	Hn	Kemps Creek	Penrith	80	2	Non-fatal	No or unknown	No or unknown	-33.863451	150.793346	0	S	Monday	1440	Urban	Sealed	Heavy vehicle	47	Female
15/05/2012	794540	20	Head on	2-way undivided	Dry	Daylight	-	1	North	State highway	PACIFIC	Hwy	180	North	RIVER	Hwy	Woolgoolga	Coffs Harbour	60	2	Non-fatal	No or unknown	Yes	-30.117156	153.192472	0	S	Tuesday	1100	Urban	Sealed	Passenger vehicle	80	Male
15/04/2012	794601	20	Head on	2-way undivided	Dry	Daylight	-	1	West	Other classified road	FOREST	Rd	100	West	SCOTT	St	Peakhurst	Hurstville	50	3	Non-fatal	Yes	No or unknown	-33.961170	151.052660	0	C	Sunday	1500	Urban	Sealed	Passenger vehicle	65	Female
17/04/2012	794610	20	Head on	2-way undivided	Wet	Daylight	-	-	South	State highway	PRINCES	Hwy	500	North	LOVE	St	Eden	Bega Valley	100	2	Non-fatal	Yes	No or unknown	-37.035463	149.905621	0	C	Tuesday	1200	Rural	Sealed	Heavy vehicle	47	Male
18/04/2012	794620	20	Head on	2-way undivided	Dry	Daylight	-	-	West	State highway	JANATHUR	Rd	200	West	BELLEVUE	Rd	Belconnen Hill	Woolahra	80	2	Non-fatal	No or unknown	No or unknown	-33.481933	150.751824	0	C	Thursday	1635	Urban	Sealed	Passenger vehicle	24	Female
16/07/2012	794648	20	Head on	2-way undivided	Wet	Daylight	-	1	West	State highway	MALLEE	Hwy	2000	East	MALLEE	Hwy	Bairnsdale	Mallee	100	2	Fatal	Yes	No or unknown	-34.678966	143.575334	0	C	Tuesday	1820	Rural	Sealed	Passenger vehicle	63	Male
10/02/2012	794685	20	Head on	Divided road	Dry	Daylight	-	1	North	Other classified road	OLD HUME	Hwy	100	South	BRAEMAR	Ave	Braemar	Wingecarribee	2	2	Non-fatal	No or unknown	Yes	-34.431154	150.482148	3.2	S	Thursday	1500	Urban	Sealed	Passenger vehicle	21	Female
28/03/																																		

14/09/2012	811646	20	Head on	2-way undivided	Dry	Daylight	-	1	South	Other classified road	OCONNELL	Rd	5000	South	GREAT WESTERN	Hwy	Keelo	Bathurst Regional	100	2	Non-fatal	No or unknown	No or unknown	-33.455106	149.842754	0	S	Friday	1600	Rural	Sealed	Passenger vehicle	71	Male
18/09/2012	811694	20	Head on	2-way undivided	Wet	Darkness	-	1	South	Other classified road	MENANGLE	Rd	425	North	CAMDEN	Rd	Douglas Park	Wollondilly	100	2	Non-fatal	Yes	No or unknown	-34.166205	150.715870	0	C	Tuesday	1810	Urban	Sealed	Passenger vehicle	21	Male
25/09/2012	811829	20	Head on	2-way undivided	Dry	Daylight	-	-	South	Unclassified road	WATER	St	100	South	JAMES	St	South Strathf	Strathfield	60	3	Non-fatal	No or unknown	Yes	-33.896899	151.082654	0	S	Tuesday	1110	Urban	Sealed	Passenger vehicle	55	Male
04/10/2012	811988	20	Head on	2-way undivided	Dry	Daylight	-	-	East	Unclassified road	MCCAFFREY	Dr	45	East	MARSHALL	St	New Lambton	Newcastle	60	3	Non-fatal	No or unknown	No or unknown	-32.932802	151.687678	0	S	Tuesday	0850	Urban	Sealed	Passenger vehicle	40	Female
01/10/2012	812058	20	Head on	Divided road	Dry	Darkness	-	-	South	State highway	PACIFIC	Hwy	150	North	CARTERS	Rd	Lake Munmorah	Wyong	60	2	Non-fatal	No or unknown	No or unknown	-33.189488	151.578812	11	S	Monday	2100	Urban	Sealed	Passenger vehicle	78	Male
09/12/2012	812086	20	Head on	2-way undivided	Dry	Daylight	1	2	South	Other classified road	MAIN	Rd	100	North	ANZAC	Pde	Toronto	Lake Macquarie	60	2	Fatal	No or unknown	No or unknown	-32.999591	151.599529	0	C	Sunday	1128	Urban	Sealed	Passenger vehicle	42	Male
14/09/2012	812098	20	Head on	2-way undivided	Dry	Darkness	-	-	East	Unclassified road	WHIMBREL	Ave	80	East	OSPREY	Dr	Berkeley	Wollongong	50	2	Non-fatal	No or unknown	No or unknown	-34.478993	150.863758	0	C	Friday	2241	Urban	Sealed	Passenger vehicle	22	Male
26/09/2012	812150	20	Head on	2-way undivided	Dry	Daylight	-	6	North	Unclassified road	WIMBERRY	Rd	810	South	RAYMOND TERRAC	Rd	Millers Forest	Maitland	80	2	Non-fatal	No or unknown	Yes	-32.765570	151.700700	0	S	Wednesday	1355	Urban	Sealed	Passenger vehicle	17	Female
26/07/2012	812200	20	Head on	2-way undivided	Dry	Darkness	-	-	South	Other classified road	WATERLOO	Rd	50	South	SPRING	Rd	North Ryde	Ryde	120	3	Non-fatal	No or unknown	No or unknown	-33.122800	151.798410	0	C	Friday	1840	Urban	Sealed	Passenger vehicle	34	Male
07/08/2012	812217	20	Head on	2-way undivided	Dry	Daylight	-	-	East	Other classified road	SACKVILLE	Rd	110	West	PAGES WHARF	Rd	North Sackvil	The Hills	60	2	Non-fatal	No or unknown	No or unknown	-33.495002	150.931265	0	C	Tuesday	0720	Urban	Sealed	Passenger vehicle	31	Male
10/08/2012	812222	20	Head on	2-way undivided	Dry	Daylight	-	2	East	State highway	NEWELL	Hwy	15000	East	WYALONG	Tn	Back Creek	Bland	110	2	Non-fatal	No or unknown	Yes	-33.849640	147.386835	0	S	Friday	1315	Rural	Sealed	Passenger vehicle	70	Male
05/09/2012	812265	20	Head on	2-way undivided	Dry	Darkness	-	2	East	Unclassified road	ADAMS	Ave	125	West	PRINCE EDWARD	St	Malabar	Randwick	50	2	Non-fatal	No or unknown	No or unknown	-33.973167	151.253622	0	C	Wednesday	1710	Urban	Sealed	Passenger vehicle	20	Female
16/09/2012	812306	20	Head on	2-way undivided	Dry	Daylight	-	2	North	Other classified road	TOMEWIN	Rd	50	South	ATHELSTAN	Tce	Tomewin	Tweed	50	2	Non-fatal	Yes	No or unknown	-28.252827	153.374935	0	C	Sunday	1015	Urban	Sealed	Motorcycle	34	Male
26/09/2012	812423	20	Head on	2-way undivided	Dry	Daylight	-	-	East	Unclassified road	POLDING	St	100	West	SACKVILLE	St	Fairfield	Fairfield	70	2	Non-fatal	No or unknown	Yes	-33.863500	150.950095	0	S	Wednesday	1315	Urban	Sealed	Passenger vehicle	48	Male
27/09/2012	812443	20	Head on	2-way undivided	Dry	Daylight	-	1	East	Unclassified road	LAWSON	St	80	West	EVELEIGH	St	Redfern	Sydney	50	3	Non-fatal	No or unknown	No or unknown	-33.891382	151.197692	0	S	Thursday	1340	Urban	Sealed	Passenger vehicle	59	Female
23/04/2012	812503	20	Head on	2-way undivided	Dry	Darkness	-	2	North	Other classified road	THE NORTHERN	Rd	300	South	HILLSIDE	Dr	Harrington Par	Camden	60	2	Non-fatal	No or unknown	No or unknown	-34.028498	150.72259	0	C	Monday	1810	Urban	Sealed	Passenger vehicle	18	Male
14/09/2012	812594	20	Head on	2-way undivided	Dry	Darkness	-	1	West	Unclassified road	WHARF	Rd	30	West	NOBYS	Rd	East Newcastle	Newcastle	50	2	Non-fatal	No or unknown	No or unknown	-32.924395	151.790995	0	C	Friday	2155	Urban	Sealed	Passenger vehicle	17	Male
01/10/2012	812638	20	Head on	2-way undivided	Dry	Daylight	-	3	South	State highway	MITCHELL	Hwy	28000	South	BURRENDONG	Way	Bakers Swamp	Wellington	100	2	Non-fatal	No or unknown	Yes	-32.813610	148.905095	0	S	Monday	0620	Rural	Sealed	Heavy vehicle	24	Male
09/10/2012	812824	20	Head on	Divided road	Dry	Daylight	-	2	East	Other classified road	WST CABRAMATTA	Rd	105	East	CUMBERLAND	Hwy	Cabramatta	Fairfield	60	2	Non-fatal	No or unknown	No or unknown	-33.899482	150.920375	4.9	C	Tuesday	0940	Urban	Sealed	Passenger vehicle	25	Female
10/10/2012	812835	20	Head on	2-way undivided	Dry	Daylight	-	-	North	Unclassified road	JAFFA	St	0	AT	NUMBER 5	Hn	West Fairfield	Fairfield	50	2	Non-fatal	No or unknown	No or unknown	-33.871538	150.928197	0	S	Wednesday	1338	Urban	Sealed	Passenger vehicle	17	Male
01/10/2012	812853	20	Head on	2-way undivided	Dry	Darkness	-	-	West	Other classified road	LADY WAKEHURST	Dr	1055	West	LAWRENCE HARGR	Dr	Oxford	Wollongong	60	2	Non-fatal	No or unknown	No or unknown	-34.217062	150.999118	0	C	Monday	1730	Urban	Sealed	Passenger vehicle	25	Male
06/09/2012	812967	20	Head on	2-way undivided	Dry	Daylight	-	1	East	State highway	GWYDIR	Hwy	300	East	FRIARS	Lane	Waterview	Clarence Valley	100	2	Non-fatal	No or unknown	Yes	-29.687204	152.894030	0	C	Thursday	1220	Rural	Sealed	Heavy vehicle	43	Female
10/09/2012	812971	20	Head on	2-way undivided	Dry	Daylight	-	1	North	State highway	PACIFIC	Hwy	400	North	KEMPS	Rd	South Kempsey	Kempsey	50	2	Non-fatal	No or unknown	Yes	-31.133754	152.824176	0	S	Monday	1320	Urban	Sealed	Passenger vehicle	69	Female
16/09/2012	812985	20	Head on	2-way undivided	Dry	Darkness	-	-	East	Other classified road	LIVERPOOL	St	200	West	ABERDEEN	St	Scone	Upper Hunter	60	2	Non-fatal	No or unknown	Yes	-32.049458	150.858187	0	S	Sunday	1925	Urban	Sealed	Passenger vehicle	49	Female
18/09/2012	813000	20	Head on	2-way undivided	Wet	Darkness	-	-	South	Other classified road	MOSS VALE	Rd	500	North	BARRFIELD	Rd	Cambewarra	Shoalhaven	60	2	Non-fatal	Yes	No or unknown	-34.811832	150.571561	0	C	Tuesday	1745	Urban	Sealed	Passenger vehicle	42	Male
10/08/2012	813118	20	Head on	2-way undivided	Wet	Darkness	-	-	East	Unclassified road	THE BOWLING	Rd	100	West	THE BOWLING	Rd	Gosford	Gosford	60	2	Non-fatal	No or unknown	No or unknown	-33.385744	150.971961	0	C	Friday	1830	Urban	Sealed	Passenger vehicle	17	Female
27/09/2012	813182	20	Head on	2-way undivided	Dry	Daylight	-	2	East	Unclassified road	PINCHIN	Rd	2000	East	NIMBIN	Rd	Goolumangar	Lismore	80	2	Non-fatal	No or unknown	Yes	-28.742161	153.241262	0	C	Thursday	1240	Urban	Sealed	Passenger vehicle	48	Female
02/10/2012	813195	20	Head on	2-way undivided	Dry	Daylight	-	3	West	State highway	GREAT WESTERN	Hwy	1600	East	OLD WESTERN	Rd	Mt Lambie	Lithgow	110	2	Non-fatal	No or unknown	No or unknown	-33.446337	149.999881	0	C	Tuesday	0740	Rural	Sealed	Passenger vehicle	25	Male
05/10/2012	813222	20	Head on	2-way undivided	Dry	Darkness	-	6	South	Other classified road	WILTON	Rd	4260	South	CHURCH	St	Appin	Wollondilly	100	2	Non-fatal	Yes	No or unknown	-34.224823	150.751802	0	C	Friday	2022	Rural	Sealed	Passenger vehicle	21	Male
06/10/2012	813232	20	Head on	2-way undivided	Dry	Daylight	-	1	East	Unclassified road	TOWAC	Way	390	West	MT CANOBOLAS	Rd	Canobolas	Canobolas	50	2	Non-fatal	No or unknown	No or unknown	-33.343986	148.977276	0	C	Saturday	1550	Urban	Sealed	Passenger vehicle	17	Female
02/10/2012	813282	20	Head on	2-way undivided	Dry	Daylight	-	-	South	Unclassified road	JERVIS BAY	Rd	300	North	THE WOOL	Rd	Worowong Heig	Shoalhaven	80	2	Non-fatal	No or unknown	No or unknown	-35.076906	150.654901	0	C	Tuesday	1020	Urban	Unsealed	Passenger vehicle	22	Male
03/10/2012	813293	20	Head on	2-way undivided	Dry	Daylight	-	1	North	Unclassified road	DUNCAN	Rd	85	North	NUMBER 128	Hn	Nurmigi	Lismore	100	2	Non-fatal	No or unknown	No or unknown	-28.732628	153.326875	0	C	Wednesday	1520	Rural	Sealed	Heavy vehicle	48	Male
06/10/2012	813346	20	Head on	2-way undivided	Wet	Daylight	-	1	East	Unclassified road	EXPLORERS	Rd	275	East	ACHIEVEMENT	Ave	Lapstone	Blue Mountains	50	2	Non-fatal	Yes	No or unknown	-33.771309	150.633092	0	C	Saturday	1020	Urban	Sealed	Passenger vehicle	38	Female
11/10/2012	813451	20	Head on	2-way undivided	Wet	Darkness	-	-	North	Unclassified road	GIPPS	Rd	100	South	MUNRO	St	Oxleyans	Hdkroy	50	2	Non-fatal	Yes	No or unknown	-33.830215	150.927308	0	C	Thursday	0530	Urban	Sealed	Passenger vehicle	40	Female
11/10/2012	813468	20	Head on	2-way undivided	Dry	Daylight	-	-	Other classified road	GREAT WESTERN	Hwy	2200	South	GOVERNMENT BEN	St	Bunbenbowna	Bairnsdale	50	2	Non-fatal	No or unknown	No or unknown	-35.545354	149.967131	1.5	C	Thursday	0940	Urban	Sealed	Passenger vehicle	40	Female	
16/10/2012	813565	20	Head on	2-way undivided	Dry	Daylight	-	-	North	Unclassified road	AUBURN	Pde	130	South	LOCKWOOD	St	Cingila	Wollongong	50	2	Non-fatal	No or unknown	No or unknown	-34.476354	150.870773	0	C	Tuesday	1530	Urban	Sealed	Passenger vehicle	24	Male
18/10/2012	813577	20	Head on	2-way undivided	Dry	Daylight	-	2	East	Unclassified road	YARRABIN	Rd	5770	West	HILL END	Rd	Yarrabin	Mid-Western Region	100	3	Non-fatal	No or unknown	No or unknown	-32.607532	149.414582	0	S	Thursday	1300	Rural	Sealed	Motorcycle	16	Male
05/10/2012	813595	20	Head on	2-way undivided	Dry	Daylight	-	-	South	Unclassified road	BUCHANAN	Rd	300	South	LOUTH PARK	Rd	Buchanan	Cessnock	80	2	Non-fatal	Yes	No or unknown	-32.786575	151.553803	0	C	Friday	1030	Urban	Sealed	Passenger vehicle	24	Female
12/10/2012	813618	20	Head on	2-way undivided	Wet	Daylight	-	-	North	Other classified road	LEGGETS	Dr	1500	North	LAKE	Rd	Mulbring	Cessnock	20	2	Non-fatal	No or unknown	No or unknown	-32.874385	151.475914	0	C	Friday	1510	Urban	Sealed	Passenger vehicle	32	Male
12/10/2012	813620	20	Head on	2-way undivided	Wet	Daylight	-	-	North	Unclassified road	MAITLAND	Rd	450	South	RAVENSFIELD	Lane	Bishops Bridge	Maitland	50	2	Non-fatal	Yes	No or unknown	-32.745343	151.473790	0	C	Friday	1430	Urban	Sealed	Passenger vehicle	24	Male
14/10/2012	813631	20	Head on	2-way undivided	Dry	Daylight	-	-	East	Unclassified road	SANDBAR	Rd	570	East	THE LAKES	Way	Smiths Lake	Great Lakes	50	2	Non-fatal	No or unknown	No or unknown	-32.969877	152.508660	0	C	Sunday	1000	Urban	Unsealed	Passenger vehicle	17	Male
14/10/2012	813632	20	Head on	2-way undivided	Snow or ice	Darkness	-	2	East	Other classified road	BANGALOW	Rd	3500	West	CLUNES	Tn	Clunes	Lismore	100	2	Non-fatal	No or unknown	No or unknown	-28.742148	153.377893	0	S	Sunday	1815	Rural	Unsealed	Passenger vehicle	30	Male
14/10/2012	813638	20	Head on	2-way undivided	Wet	Darkness	-	-	North	Other classified road	MURKIN	Rd	100	North	MURKIN	Rd	Lilybun	Bairnsdale	60	2	Non-fatal	Yes	No or unknown	-36.090214	148.962140	0	C	Thursday	0530	Urban	Sealed	Passenger vehicle	26	Male
17/10/2012	813647	20	Head on	2-way undivided	Dry	Daylight	-	-	North	Unclassified road	CURRAWONG	Rd	3155	North	MURUMBURRAH	Tn	Murumburrah	Harden	100	2	Non-fatal	No or unknown	No or unknown	-34.520267	148.362495	0	C	Wednesday	0730	Rural	Sealed	Passenger vehicle	20	Male
31/12/2012	813661	20	Head on	2-way undivided	Dry	Daylight	1	3	North	State highway	PACIFIC	Hwy	1000	North	MORORO	Rd	Mororo	Clarence Valley	100	3	Fatal	Yes	Yes	-29.322414	153.230831	0	S	Monday	1000	Rural	Sealed	Passenger vehicle	23	Male
01/01/2013																																		

Date	Time	Day	Condition	Weather	Wind	Dir	Road	Loc	Lat	Long	Alt	Speed	Dir	Severity	Inj	Prop	Value	Day	Time	Loc	Stat	Seal	Equip	Age	Sex									
21/09/2012	817790	20	Head on	2-way undivided	Dry	Darkness	-	1	West	Unclassified road	TOPDALE	Rd	2380	East	NIANGALA	Rd	Niangala	Tamworth Regional	100	2	Non-fatal	Yes	No or unknown	-31.96757	151.409363	0	C	Friday	1700	Rural	Sealed	Motorcycle	52	Male
14/11/2012	817819	20	Head on	2-way undivided	Dry	Daylight	-	1	South	Other classified road	PICTON	Rd	2800	North	MT KEIRA	Rd	Cordeaux Dam	Willoughby	80	3	Non-fatal	No or unknown	No or unknown	-34.357568	150.811755	0	C	Wednesday	1650	Urban	Sealed	Heavy vehicle	51	Male
16/11/2012	817827	20	Head on	2-way undivided	Wet	Darkness	-	-	West	Other classified road	FULLERS	Rd	50	East	GREVILLE	St	West Chatswood	Willoughby	60	3	Non-fatal	Yes	No or unknown	-33.96627	151.169212	0	C	Friday	2017	Urban	Sealed	Passenger vehicle	22	Male
18/10/2012	817883	20	Head on	2-way undivided	Dry	Daylight	-	1	North	Unclassified road	OLD PRINCES	Hwy	40	North	TERANIA	St	Russell Vale	Willoughby	60	3	Non-fatal	No or unknown	No or unknown	-34.357573	150.900616	0	C	Thursday	0920	Urban	Sealed	Passenger vehicle	51	Female
27/10/2012	817904	20	Head on	2-way undivided	Dry	Daylight	-	1	South	Other classified road	JAMBEROO MOUNT	Rd	100	South	BARREN GROUNDS	Rd	Jamberoo	Kiama	60	3	Non-fatal	Yes	No or unknown	-34.668432	150.711853	0	C	Saturday	1315	Urban	Sealed	Motorcycle	22	Male
30/10/2012	817919	20	Head on	2-way undivided	Dry	Daylight	-	-	South	Unclassified road	FAIRFIELD	Rd	50	South	WOODPARK	Rd	West Guildford	Holroyd	50	2	Non-fatal	No or unknown	No or unknown	-33.841282	150.96327	0	C	Tuesday	0630	Urban	Sealed	Passenger vehicle	26	Female
14/11/2012	818046	20	Head on	Divided road	Dry	Daylight	-	-	North	Unclassified road	OLD PITTVATER	Rd	20	North	SMITH	Ave	Brookvale	Warringah	50	3	Non-fatal	No or unknown	Yes	-33.769908	151.265633	1	S	Wednesday	1720	Urban	Sealed	Passenger vehicle	23	Female
16/11/2012	818086	20	Head on	Divided road	Wet	Darkness	-	-	West	Other classified road	VICTORIA	St	30	West	GEORGE	St	East Gosford	Gosford	60	2	Non-fatal	Yes	No or unknown	-33.439865	151.355742	2.3	C	Friday	2130	Urban	Sealed	Passenger vehicle	20	Male
18/11/2012	818087	20	Head on	2-way undivided	Dry	Daylight	-	-	North	Other classified road	COROWA	Rd	50	North	SANGAR	Rd	Corowa	Willoughby	100	2	Non-fatal	No or unknown	No or unknown	-33.735201	150.847850	0	C	Friday	1430	Rural	Sealed	Passenger vehicle	50	Female
18/11/2012	818110	20	Head on	2-way undivided	Dry	Daylight	-	-	South	Other classified road	MAIRIE	Rd	500	South	BAKERS	Lane	Kemps Creek	Penrith	80	3	Non-fatal	Yes	No or unknown	-33.835667	150.780893	0	S	Sunday	1540	Urban	Sealed	Heavy vehicle	40	Male
18/11/2012	818115	20	Head on	2-way undivided	Dry	Darkness	-	1	South	Unclassified road	SILVERDALE	Rd	2000	North	BILL HILL	Rd	The Oaks	Willondilly	80	2	Non-fatal	No or unknown	Yes	-34.038626	150.573662	0	S	Sunday	1700	Rural	Sealed	Passenger vehicle	21	Male
18/11/2012	818125	20	Head on	2-way undivided	Dry	Daylight	-	-	South	Other classified road	GEORGE	St	250	South	WINDSOR LEAGUE	Cb	South Windsor	Hawkesbury	60	2	Non-fatal	Yes	No or unknown	-33.632625	150.789740	0	S	Sunday	1620	Urban	Sealed	Passenger vehicle	Unk	Male
22/11/2012	818199	20	Head on	2-way undivided	Dry	Daylight	-	1	East	Unclassified road	JANE	St	0	AT	PRINCES HIGHWA	Op	Norwa	Shoalhaven	50	2	Non-fatal	No or unknown	No or unknown	-34.876270	150.605167	0	S	Thursday	1710	Urban	Sealed	Motorcycle	12	Male
23/11/2012	818211	20	Head on	2-way undivided	Dry	Daylight	-	1	West	State highway	MITCHELL	Hwy	100	East	BENI	St	Wongarbon	Dubbo	110	2	Non-fatal	No or unknown	Yes	-32.34637	148.757801	0	C	Friday	1200	Rural	Sealed	Heavy vehicle	Unk	Unknown
27/11/2012	818307	20	Head on	2-way undivided	Dry	Daylight	-	1	North	Unclassified road	MANNING	Rd	50	South	WALLAROY	Rd	Double Bay	Woolahra	50	2	Non-fatal	Yes	Yes	-33.881618	151.244858	0	C	Tuesday	1630	Urban	Sealed	Passenger vehicle	38	Male
26/07/2012	818373	20	Head on	2-way undivided	Dry	Daylight	-	-	South	Other classified road	MENANGLE	Rd	600	North	CAMCEN	Rd	Douglas Park	Willondilly	80	2	Non-fatal	No or unknown	No or unknown	-34.165010	150.714959	0	C	Friday	1520	Urban	Sealed	Passenger vehicle	39	Female
21/10/2012	818386	20	Head on	Divided road	Dry	Daylight	-	-	West	Other classified road	WEST CABRAMATTA	Rd	200	East	ELIZABETH	Dr	Bonnrigg	Fairfield	70	3	Non-fatal	Yes	Yes	-33.893125	150.890746	0	S	Tuesday	1530	Urban	Sealed	Heavy vehicle	27	Unknown
31/10/2012	818389	20	Head on	Divided road	Dry	Daylight	-	-	West	Other classified road	PRESIDENT	Ave	50	East	STH KIORA	Rd	Miranda	Sutherland	60	2	Non-fatal	No or unknown	Yes	-34.040199	151.101534	1.5	S	Wednesday	1215	Urban	Sealed	Passenger vehicle	74	Female
04/11/2012	818411	20	Head on	2-way undivided	Wet	Darkness	-	1	South	Other classified road	HENRY PARRY	Dr	120	North	GEORGIANA	Tce	Gosford	Gosford	60	2	Non-fatal	No or unknown	No or unknown	-33.428026	151.342820	0	C	Sunday	0100	Urban	Sealed	Passenger vehicle	22	Male
14/11/2012	818477	20	Head on	2-way undivided	Dry	Daylight	-	1	South	Other classified road	HENRY HUME	Dr	1000	South	HUME	Hwy	Lansdowne	Bankstown	70	2	Non-fatal	Yes	No or unknown	-33.897532	150.973226	0	S	Wednesday	0640	Urban	Sealed	Passenger vehicle	22	Male
16/11/2012	818506	20	Head on	Divided road	Wet	Darkness	-	1	North	Other classified road	WALLGROVE	Rd	130	North	WESTERN	Exp	Eastern Creek	Blacktown	80	2	Non-fatal	No or unknown	No or unknown	-33.795825	150.853674	1.8	S	Friday	1700	Urban	Sealed	Passenger vehicle	23	Female
19/11/2012	818537	20	Head on	2-way undivided	Dry	Daylight	-	-	North	Unclassified road	DAVISTOWN	Rd	100	North	ELVYS	Ave	Yattalunga	Gosford	50	2	Non-fatal	No or unknown	No or unknown	-33.469184	151.361410	0	S	Monday	0958	Urban	Sealed	Passenger vehicle	17	Male
22/11/2012	818580	20	Head on	2-way undivided	Dry	Daylight	-	2	West	Other classified road	WATTLE	St	50	West	RAMSAY	Rd	Haberfield	Ashfield	60	4	Non-fatal	No or unknown	Yes	-33.875182	151.133931	0	S	Thursday	0600	Urban	Sealed	Passenger vehicle	24	Male
23/11/2012	818590	20	Head on	2-way undivided	Dry	Daylight	-	1	South	Other classified road	HENRY LAWSON	Dr	500	North	HAZEL	St	Georges Hall	Bankstown	70	4	Non-fatal	Yes	No or unknown	-33.900789	150.976273	0	S	Friday	1235	Urban	Sealed	Passenger vehicle	24	Male
30/11/2012	818744	20	Head on	2-way undivided	Wet	Daylight	-	-	West	Unclassified road	COMERONG ISLAND	Rd	0	AT	NUMBER 849	Hn	Numbaa	Shoalhaven	50	2	Non-fatal	No or unknown	No or unknown	-34.869830	150.694901	0	C	Friday	1630	Urban	Sealed	Heavy vehicle	20	Male
18/12/2012	818800	20	Head on	2-way undivided	Wet	Darkness	-	6	West	Other classified road	WINDSOR	Rd	100	West	HAZEL	Lane	Gosford	Willoughby	60	2	Non-fatal	Yes	No or unknown	-33.752873	151.331040	0	C	Saturday	1915	Urban	Sealed	Passenger vehicle	26	Male
17/02/2013	818861	20	Head on	2-way undivided	Dry	Daylight	-	1	North	Other classified road	BYLONG VALLEY	Way	1000	South	ACACIA	Dr	Rylstone	Mid-Western Region	100	2	Fatal	Yes	No or unknown	-32.829723	149.973100	0	C	Sunday	1345	Rural	Sealed	Passenger vehicle	71	Male
27/10/2012	818960	20	Head on	2-way undivided	Dry	Daylight	-	1	South	Unclassified road	MT KEIRA	Rd	270	South	QUEEN ELIZABET	Dr	MT Keira	Willoughby	60	2	Non-fatal	Yes	No or unknown	-34.397578	150.850651	0	C	Saturday	1635	Urban	Sealed	Passenger vehicle	66	Male
01/11/2012	818962	20	Head on	2-way undivided	Dry	Darkness	-	-	North	Other classified road	OLYMPIC	Lane	200	South	CALOO	Lane	Culcarni	Greater Hume	100	2	Non-fatal	No or unknown	No or unknown	-35.627098	147.044694	0	S	Thursday	1930	Rural	Sealed	Passenger vehicle	22	Female
21/11/2012	818992	20	Head on	2-way undivided	Dry	Daylight	-	-	North	Unclassified road	RED HILL	Rd	0	AT	NUMBER 700	Hn	Palmeres Oaky	Lithgow	100	2	Non-fatal	Yes	No or unknown	-33.173999	149.755221	0	C	Wednesday	1600	Rural	Unsealed	Passenger vehicle	45	Female
23/11/2012	818997	20	Head on	2-way undivided	Dry	Daylight	-	2	North	Unclassified road	ALMA	St	30	South	GREENFIELD PAR	Ent	Albury	Albury	50	2	Non-fatal	No or unknown	Yes	-36.069349	146.920020	0	S	Friday	1315	Urban	Sealed	Passenger vehicle	71	Male
09/11/2012	819037	20	Head on	2-way undivided	Dry	Daylight	-	1	East	Other classified road	NUMINBAH	Rd	0	AT	NUMBER 1278	Hn	Chillingham	Tweed	80	2	Non-fatal	No or unknown	No or unknown	-28.313259	153.267719	0	C	Friday	1220	Urban	Sealed	Motorcycle	41	Male
15/11/2012	819048	20	Head on	2-way undivided	Dry	Daylight	-	1	North	State highway	CASTLEREAGH	Hwy	700	South	KING	St	Coonamble	Coonamble	90	2	Non-fatal	No or unknown	Yes	-30.967201	148.388139	0	S	Thursday	1519	Rural	Sealed	Passenger vehicle	36	Male
18/11/2012	819094	20	Head on	2-way undivided	Dry	Daylight	-	1	South	Other classified road	HENRY LAWSON	Dr	500	North	HAZEL	St	Landsdowne	Bankstown	60	2	Non-fatal	No or unknown	No or unknown	-33.900789	150.976273	0	S	Sunday	0525	Urban	Sealed	Heavy vehicle	22	Male
23/11/2012	819078	20	Head on	2-way undivided	Dry	Daylight	-	-	West	Other classified road	GOLDEN	Rd	800	South	PUTTY	Rd	MT Thorley	Singleton	100	2	Non-fatal	Yes	Yes	-32.629073	151.141928	0	C	Friday	0830	Rural	Sealed	Passenger vehicle	43	Male
01/12/2012	819134	20	Head on	2-way undivided	Dry	Daylight	-	2	East	Unclassified road	GOONAWARRA	Dc	1200	West	WARATAH	Ave	Cumradra	Shoalhaven	50	2	Non-fatal	No or unknown	No or unknown	-35.190160	150.543404	0	C	Saturday	1500	Urban	Unsealed	Motorcycle	21	Male
01/12/2012	819137	20	Head on	2-way undivided	Wet	Daylight	-	-	East	Unclassified road	THE RIDGEWAY	Ms	90	East	BISHENDENS	Rd	Lisarong	Gosford	50	2	Non-fatal	Yes	No or unknown	-33.900336	151.382650	0	C	Saturday	0845	Urban	Sealed	Passenger vehicle	23	Female
01/12/2012	819139	20	Head on	2-way undivided	Wet	Daylight	-	-	West	State highway	GREAT WESTERN	Hwy	0	AT	CONVIC	Bdge	MT Victoria	Lithgow	60	2	Non-fatal	Yes	No or unknown	-33.582045	150.231711	0	C	Saturday	0748	Urban	Sealed	Heavy vehicle	49	Female
09/11/2012	819268	20	Head on	2-way undivided	Dry	Daylight	-	-	South	Unclassified road	COWPASTURE	Rd	50	North	SLEIGH	Pl	Wetherill Park	Fairfield	50	2	Non-fatal	No or unknown	Yes	-33.838442	150.880925	0	C	Friday	1250	Urban	Sealed	Passenger vehicle	19	Male
14/11/2012	819292	20	Head on	L-																														

23/02/2013	829087	20	Head on	2-way undivided	Dry	Daylight	-	1	South	Unclassified road	TEVEN	Rd	1000	South	TINTENBARR	Rd	Teven	Ballina		80	2	Non-fatal	No or unknown	No or unknown	-28.815382	153.497509	0	C	Saturday	1800	Urban	Sealed	Passenger vehicle	49	Male
01/03/2013	829169	20	Head on	2-way undivided	Wet	Daylight	-	2	East	State highway	MITCHELL	Hwy	1300	East	DUNKELD	Rd	Dunkeld	Bathurst Regional		100	2	Non-fatal	No or unknown	No or unknown	-33.408632	149.497041	0	C	Friday	1510	Rural	Sealed	Passenger vehicle	51	Male
02/03/2013	829203	20	Head on	2-way undivided	Wet	Daylight	-	2	East	Unclassified road	PAROO	Rd	110	West	WATTLE TREE	Rd	Holgate	Gosford		50	2	Non-fatal	Yes	No or unknown	-33.401095	151.406302	0	C	Saturday	1330	Urban	Sealed	Passenger vehicle	19	Male
07/03/2013	829322	20	Head on	2-way undivided	Dry	Daylight	-	-	South	Other classified road	FARNELL	Ave	1750	South	PRINCES	Hwy	Royal National	Sutherland		60	2	Non-fatal	Yes	No or unknown	-34.065258	151.055786	0	C	Thursday	1510	Urban	Sealed	Passenger vehicle	83	Female
09/03/2013	829374	20	Head on	2-way undivided	Dry	Daylight	-	1	North	Other classified road	BYLONG VALLEY	Way	5620	North	KILLENS	Rd	Bylong	Mid-Western Regional		100	2	Non-fatal	Yes	No or unknown	-32.471338	150.073959	0	C	Saturday	1320	Rural	Sealed	Motorcycle	41	Male
10/03/2013	829407	20	Head on	2-way undivided	Dry	Daylight	-	1	West	Unclassified road	BOUVARDIA	St	500	East	ACACIA	Ave	Punchbowl	Bankstown		50	2	Non-fatal	No or unknown	Yes	-33.919364	151.058211	0	C	Sunday	1610	Urban	Sealed	Passenger vehicle	41	Male
12/03/2013	829449	20	Head on	2-way undivided	Dry	Daylight	-	2	North	Unclassified road	YARRAWONGA	Rd	2340	North	MIDUTH CREEK	Rd	Home Lure	Mid-Western Regional		100	2	Non-fatal	No or unknown	No or unknown	-32.988777	149.632222	0	C	Tuesday	0900	Rural	Sealed	Passenger vehicle	43	Female
04/03/2013	829625	20	Head on	2-way undivided	Dry	Daylight	-	-	South	Unclassified road	DONNELLY	Rd	235	South	ARCADIA	Rd	Armadale	Lake Macquarie		80	2	Non-fatal	No or unknown	No or unknown	-33.062076	151.575593	0	C	Monday	1630	Urban	Sealed	Passenger vehicle	60	Male
08/03/2013	829640	20	Head on	2-way undivided	Dry	Daylight	-	-	North	Other classified road	WARRIORS	Rd	2300	North	WARRIORS	Rd	Warriville	Warriville		50	2	Non-fatal	No or unknown	No or unknown	-32.924076	151.924076	0	C	Friday	2130	Rural	Sealed	Passenger vehicle	60	Male
02/03/2013	829764	20	Head on	2-way undivided	Wet	Daylight	-	3	East	Other classified road	GEORGE BOOTH	Dr	3000	West	MT SUGAR OAF	Rd	Stockington	Cessnock		80	2	Non-fatal	Yes	No or unknown	-32.869042	151.558409	0	C	Saturday	1145	Urban	Sealed	Passenger vehicle	33	Male
27/02/2013	829785	20	Head on	Divided road	Wet	Darkness	-	1	North	State highway	HUME	Hwy	700	North	CONNORS CREEK	Bdge	Bookham	Yass Valley		110	2	Non-fatal	Yes	No or unknown	-34.811885	148.619528	25	S	Wednesday	1800	Rural	Sealed	Passenger vehicle	28	Female
14/01/2013	829845	20	Head on	2-way undivided	Wet	Daylight	-	2	South	Other classified road	BUCKETTS	Way	1000	North	PACIFIC	Hwy	Twelve Mile Cr	Port Stephens		2	2	Non-fatal	No or unknown	Yes	-32.643746	151.868064	0	C	Monday	0940	Rural	Sealed	Passenger vehicle	27	Female
09/02/2013	829872	20	Head on	2-way undivided	Dry	Daylight	-	-	East	Other classified road	REPENTANCE CRE	Rd	100	West	MAFEKING	Rd	Repentance Cre	Byron		100	2	Non-fatal	No or unknown	No or unknown	-28.637068	153.420248	0	C	Saturday	1015	Rural	Sealed	Passenger vehicle	47	Female
28/02/2013	829920	20	Head on	2-way undivided	Wet	Darkness	-	-	North	State highway	ILLAWARRA	Hwy	5000	West	GLOVER HILL	Rd	Mt Murray	Wingecarribee		2	2	Non-fatal	No or unknown	No or unknown	-34.558212	150.641111	0	C	Thursday	1930	Urban	Sealed	Passenger vehicle	21	Male
05/03/2013	829976	20	Head on	2-way undivided	Wet	Daylight	-	1	West	Unclassified road	MYRTLE	St	200	East	BYANGUM	Rd	Murwillumbah	Tweed		50	2	Non-fatal	No or unknown	No or unknown	-28.313350	153.385432	0	C	Tuesday	1630	Urban	Sealed	Passenger vehicle	86	Male
06/03/2013	829986	20	Head on	2-way undivided	Dry	Daylight	-	2	West	Unclassified road	TYALGUM	Rd	900	West	OLD LISMORE	Rd	Murwillumbah	Tweed		80	2	Non-fatal	No or unknown	No or unknown	-28.347379	153.348684	0	C	Wednesday	0715	Urban	Sealed	Passenger vehicle	40	Female
10/03/2013	830065	20	Head on	2-way undivided	Wet	Daylight	-	1	South	Other classified road	KYOGLE	Rd	300	North	TYALGUM	Rd	Murwillumbah	Tweed		100	2	Non-fatal	No or unknown	Yes	-28.344977	153.387525	0	S	Sunday	1830	Urban	Sealed	Passenger vehicle	43	Male
14/03/2013	830175	20	Head on	2-way undivided	Dry	Daylight	-	3	East	Unclassified road	TALLWOOD	Rd	400	East	THE LAKES	Way	Rainbow Flat			50	2	Non-fatal	No or unknown	No or unknown	-32.047058	152.458492	0	C	Thursday	0830	Urban	Unsealed	Passenger vehicle	28	Female
17/03/2013	830281	20	Head on	2-way undivided	Dry	Daylight	-	2	North	Other classified road	LONDONDERRY	Rd	0	AT	NUMBER 830	Hn	Londonderry	Penrith		2	2	Non-fatal	No or unknown	Yes	-33.673494	150.730771	0	S	Sunday	0849	Urban	Sealed	Passenger vehicle	28	Female
19/03/2013	830323	20	Head on	2-way undivided	Dry	Darkness	-	2	South	Unclassified road	FINGAL	Rd	450	South	BAMBERRY	St	Fingal Head	Tweed		50	2	Non-fatal	No or unknown	Yes	-28.205696	153.565098	0	S	Tuesday	2200	Urban	Sealed	Passenger vehicle	32	Female
29/01/2013	830386	20	Head on	2-way undivided	Wet	Daylight	-	1	South	Other classified road	EASTERN ARTERI	Rd	200	North	BURRANEER	Ave	St Ives	Ku-Ring-Gai		50	3	Non-fatal	Yes	No or unknown	-33.747180	151.173858	0	C	Tuesday	1400	Urban	Sealed	Passenger vehicle	22	Female
02/02/2013	830392	20	Head on	2-way undivided	Wet	Daylight	-	1	North	Other classified road	LEGGETTS	Dr	2000	South	GILLS	Lane	Brunkerville	Cessnock		3	2	Non-fatal	No or unknown	No or unknown	-32.966349	151.479551	0	C	Saturday	1210	Rural	Sealed	Passenger vehicle	30	Male
11/02/2013	830410	20	Head on	2-way undivided	Wet	Daylight	-	1	North	Unclassified road	CARLTON	Rd	300	North	THE ENTRANCE	Rd	Holgate			50	2	Non-fatal	Yes	No or unknown	-33.425429	151.394424	0	C	Monday	1400	Urban	Sealed	Passenger vehicle	38	Female
09/03/2013	830580	20	Head on	2-way undivided	Dry	Daylight	-	3	West	Unclassified road	THE GAP	Rd	7000	East	PACIFIC	Hwy	Tabbimble	Richmond Valley		80	2	Non-fatal	No or unknown	No or unknown	-29.149083	153.380371	0	C	Saturday	1350	Urban	Unsealed	Heavy vehicle	22	Male
15/03/2013	830664	20	Head on	2-way undivided	Wet	Daylight	-	-	South	Unclassified road	STANWELL	St	200	North	ALLOWAY	St	West Warrah	Newcastle		50	2	Non-fatal	Yes	No or unknown	-32.689994	151.705861	0	C	Friday	1515	Urban	Sealed	Passenger vehicle	19	Female
15/03/2013	830679	20	Head on	2-way undivided	Wet	Daylight	-	-	North	State highway	YASS VALLEY	Hwy	2280	North	GOLDFIELD	Rd	Yass Valley			100	2	Non-fatal	No or unknown	No or unknown	-31.63117	149.81154	0	C	Thursday	2043	Rural	Sealed	Passenger vehicle	22	Female
22/03/2013	830826	20	Head on	2-way undivided	Wet	Daylight	-	-	East	Unclassified road	MURRAWOMBIE	Rd	12000	East	MITCHELL	Hwy	Gilrumbone	Bogan		100	2	Non-fatal	No or unknown	No or unknown	-31.233703	147.021553	0	C	Friday	1300	Rural	Unsealed	Heavy vehicle	22	Female
26/03/2013	830915	20	Head on	2-way undivided	Dry	Daylight	-	-	South	Unclassified road	SAWYELL	Rd	50	South	PARLIAMENT	Rd	Macquarie Fiel	Campbelltown		60	2	Non-fatal	No or unknown	No or unknown	-33.989919	150.882565	0	C	Tuesday	1710	Urban	Sealed	Passenger vehicle	20	Male
28/03/2013	830930	20	Head on	2-way undivided	Wet	Darkness	-	2	North	Unclassified road	BULL PLAIN	Rd	50	South	OLD POST OFFIC	Ot	Rennie	Corowa		100	2	Non-fatal	No or unknown	Yes	-35.809946	146.134497	0	C	Thursday	1720	Rural	Sealed	Passenger vehicle	43	Male
06/01/2013	830939	20	Head on	2-way undivided	Dry	Daylight	-	2	South	Other classified road	SUMMERLAND	Way	1000	South	TREYNAY	Rd	Junction Hill	Clarence Valley		80	2	Non-fatal	No or unknown	No or unknown	-29.651506	152.932046	0	C	Sunday	0950	Urban	Sealed	Passenger vehicle	26	Male
19/01/2013	830955	20	Head on	2-way undivided	Dry	Daylight	-	-	East	Unclassified road	OLD GRAFTON	Rd	99000	West	GWYDRI	Hwy	Newton Boyd	Clarence Valley		80	2	Non-fatal	Yes	No or unknown	-29.811619	152.285010	0	C	Saturday	1015	Urban	Unsealed	Heavy vehicle	50	Male
01/02/2013	830981	20	Head on	2-way undivided	Wet	Daylight	-	-	South	Other classified road	SIR BERTRAM ST	Dr	4000	South	AUDLEY	Rd	Royal National	Sutherland		60	2	Non-fatal	Yes	No or unknown	-34.097506	151.059865	0	C	Friday	1645	Urban	Sealed	Passenger vehicle	19	Male
12/02/2013	831008	20	Head on	2-way undivided	Dry	Daylight	-	1	South	Other classified road	MILTHORPE	Rd	2280	North	BROWNS CREEK	Rd	Blayney	Blayney		100	2	Non-fatal	No or unknown	No or unknown	-33.505469	149.217271	0	C	Tuesday	0658	Rural	Sealed	Passenger vehicle	38	Male
23/02/2013	831050	20	Head on	2-way undivided	Wet	Daylight	-	2	West	State highway	COWLEY	Hwy	16000	East	SOMERSET	Tn	Bealivie	Tamworth Regional		100	3	Non-fatal	No or unknown	No or unknown	-30.994635	150.779729	0	S	Saturday	1711	Rural	Sealed	Passenger vehicle	22	Male
23/02/2013	831081	20	Head on	2-way undivided	Dry	Daylight	-	1	South	State highway	PRINCES	Hwy	700	North	NETHURSCOTE	Rd	Eden	Bega Valley		80	2	Non-fatal	Yes	No or unknown	-37.071910	149.891181	0	C	Thursday	1450	Urban	Sealed	Passenger vehicle	36	Female
15/03/2013	831200	20	Head on	2-way undivided	Wet	Darkness	-	1	North	Unclassified road	KANANGRA	Dr	700	North	PACIFIC	Hwy	Cranang Bay	Woyung		80	2	Non-fatal	No or unknown	No or unknown	-33.176345	151.990647	0	C	Friday	1829	Urban	Sealed	Passenger vehicle	18	Male
19/03/2013	831236	20	Head on	2-way undivided	Dry	Darkness	-	2	East	State highway	ILLAWARRA	Hwy	99999	UNK	UNKNOWN	Uk	Macquarie Pass	Shellharbour		80	3	Non-fatal	No or unknown	No or unknown	-34.559949	150.663241	0	C	Tuesday	0545	Urban	Sealed	Passenger vehicle	72	Female
24/03/2013	831313	20	Head on	Divided road	Dry	Daylight	-	-	South	State highway	HUME	Hwy	1000	UNK	URINGALLA CREE	Bdge	Marulan	Goulburn Mulwaree		110	2	Non-fatal	No or unknown	No or unknown	-34.658851	150.079115	16	S	Sunday	1530	Urban	Sealed	Passenger vehicle	Unk	Male
16/05/2013	831317	20	Head on	2-way undivided	Dry	Daylight	1	-	North	Other classified road	THE NORTHERN	Rd	110	South	GATES	Rd	Luddenham	Penrith		2	2	Fatal	No or unknown	No or unknown	-33.841651	150.685766	0	C	Thursday	1005	Urban	Sealed	Passenger vehicle	26	Female
22/05/2013	831328	20	Head on	2-way undivided	Wet	Darkness	1	-	South	State highway	KAMILAROI	Hwy	7000	South	LAIDLAW	St	Boggabri	Narrabri		100	2	Fatal	No or unknown	Yes	-30.759153	150.088946	0	S	Wednesday	2145	Rural	Sealed	Passenger vehicle	26	Female
30/12/2012	831335	20	Head on	2-way undivided	Dry	Daylight	-	-	West	Unclassified road	DIGGERS CAMP	Rd	2500	East	WOOLI	Rd	Diggers Camp	Clarence Valley		50	2	Non-fatal	No or unknown	No or unknown	-29.819612	153.288002	0	C	Sunday	1440	Urban	Unsealed	Passenger vehicle	35	Female
12/02/2013	831400	20	Head on	2-way undivided	Dry	Daylight	-	1	West	Other classified road	LAKE	Rd	520	East	ELRINGTON	Dr	Erington	Cessnock		90	3	Non-fatal	No or unknown	No or unknown	-32.868257	151.418904	0	C	Sunday	1320	Rural	Sealed	Passenger vehicle	24	Female
14/03/2013	831455	20	Head on	2-way undivided	Dry	Daylight	-	1	West	Unclassified road	LIAREE	Dr	800	West	LIAREE	Dr	Sturt Point	Tweed		60	2	Non-fatal	Yes	No or unknown	-32.232326	150.797529	0	C	Saturday	0950	Urban	Sealed	Passenger vehicle	22	Male
23/03/2013	831481	20	Head on	2-way undivided	Dry	Daylight	-	1	North	Unclassified road	WOOLCOMB GAP	Rd	5000	South	OCULMBILL	Rd	Woolcom	Tamworth Regional		80	2	Non-fatal	No or unknown	No or unknown	-31.290413	151.164146	0	C	Saturday	1724	Urban	Unsealed	Passenger vehicle	16	Male
30/03/2013	831694	20	Head on	2-way undivided	Dry	Daylight	-	1	South	State highway	CENTRAL COAST	Hwy	1000	South	PE																				

28/06/2013	842458	20	Head on	2-way undivided	Wet	Daylight	-	1	North	Unclassified road	LADY PENRHYN	Dr	220	South	SUPPLY	Ave	Beacon Hill	Warrigah	50	2	Non-fatal	Yes	No or unknown	-33 746668	151 260842	0	C	Friday	0850	Urban	Sealed	Passenger vehicle	22	Male
20/05/2013	842531	20	Head on	2-way undivided	Dry	Darkness	-	1	South	Other classified road	PATERSON	Rd	100	South	BOLWARRA	Rd	Bolwarra	Maitland	60	2	Non-fatal	No or unknown	No or unknown	-32 708864	151 574548	0	C	Monday	1945	Urban	Sealed	Passenger vehicle	18	Female
21/08/2013	842625	20	Head on	2-way undivided	Dry	Daylight	1	3	South	Other classified road	OLYMPIC	Hwy	710	North	RODGERS	Rd	Geogery	Greater Hume	100	2	Fatal	Yes	No or unknown	-35 876738	146 998803	0	C	Wednesday	1014	Rural	Sealed	Passenger vehicle	27	Male
22/08/2013	842626	20	Head on	2-way undivided	Dry	Daylight	1	1	South	Other classified road	MAHRE	Rd	300	South	BAKERS	Lane	Kemps Creek	Griffith	100	4	Fatal	Yes	No or unknown	-33 837844	150 780954	0	C	Thursday	0545	Urban	Sealed	Passenger vehicle	26	Male
29/08/2013	842638	20	Head on	2-way undivided	Dry	Daylight	1	1	North	Other classified road	KIDMAN	Way	200	South	NORTH KOOBA	Rd	Willibriggie	Griffith	100	2	Fatal	No or unknown	No or unknown	-34 413133	146 041451	0	C	Thursday	1515	Rural	Sealed	Passenger vehicle	62	Female
30/08/2013	842640	20	Head on	2-way undivided	Dry	Daylight	2	2	East	State highway	BRUXNER	Hwy	300	South	SNEATHS	Rd	Wollongbar	Bullah	100	3	Fatal	Yes	No or unknown	-28 823988	153 412690	0	C	Friday	1420	Rural	Sealed	Passenger vehicle	26	Female
30/08/2013	842642	20	Head on	2-way undivided	Dry	Daylight	1	1	South	State highway	BARTON	Hwy	200	North	SPRING RANGE	Rd	Wallaroo	Yass Valley	100	2	Fatal	No or unknown	No or unknown	-35 124718	149 045955	2.7	S	Friday	1455	Rural	Sealed	Passenger vehicle	68	Female
21/08/2013	842705	20	Head on	2-way undivided	Wet	Daylight	-	2	South	Other classified road	JALPINE	Way	740	West	WESTONS	Rd	Crackenback	Snowy River	80	2	Non-fatal	No or unknown	No or unknown	-36 436244	148 543202	0	C	Friday	1515	Urban	Sealed	Heavy vehicle	22	Male
24/08/2013	842706	20	Head on	2-way undivided	Wet	Daylight	-	2	South	Other classified road	PRINCES	Hwy	500	North	LEITCHMILL TREE	Way	Shoalhaven	Wollongbar	100	2	Non-fatal	No or unknown	No or unknown	-34 470872	150 287050	0	C	Monday	1508	Rural	Sealed	Passenger vehicle	48	Female
25/08/2013	842779	20	Head on	2-way undivided	Wet	Daylight	-	-	West	Other classified road	BELLS LINE OF	Rd	120	West	PUP	Rd	Blipin	Hawkesbury	80	3	Non-fatal	No or unknown	No or unknown	-33 502993	150 536105	0	C	Tuesday	1456	Urban	Sealed	Passenger vehicle	68	Female
26/06/2013	842783	20	Head on	2-way undivided	Wet	Daylight	-	-	East	Unclassified road	RHONDISA	Rd	1500	West	RAILWAY	St	Wakefield	Lake Macquarie	50	2	Non-fatal	Yes	No or unknown	-32 957762	151 589340	0	C	Wednesday	0730	Urban	Sealed	Passenger vehicle	64	Female
28/06/2013	842822	20	Head on	2-way undivided	Wet	Darkness	-	1	North	Other classified road	OCEAN	Dr	1000	North	HOUSTON MITCHE	Dr	Lake Cathie	Port Macquarie-Hastin	2	2	Non-fatal	Yes	No or unknown	-31 567124	152 837583	0	C	Friday	1710	Urban	Sealed	Passenger vehicle	85	Male
30/06/2013	842852	20	Head on	2-way undivided	Wet	Darkness	-	3	West	State highway	NEW ENGLAND	Hwy	650	West	OXFORD	St	Greta	Cessnock	80	2	Non-fatal	Yes	No or unknown	-32 670028	151 377447	0	C	Sunday	1850	Urban	Sealed	Passenger vehicle	33	Male
22/04/2013	842865	20	Head on	2-way undivided	Dry	Daylight	-	2	North	Unclassified road	WAMBIANNA	Rd	13000	South	WARREN	Tn	Warren	Warren	100	2	Non-fatal	No or unknown	No or unknown	-31 781914	147 933690	0	C	Monday	1240	Rural	Sealed	Passenger vehicle	74	Male
15/05/2013	842876	20	Head on	L-junction	Wet	Darkness	-	1	South	Unclassified road	IRIS	St	0	AT	NORTH	St	Murrumburrah	Harden	50	2	Non-fatal	No or unknown	No or unknown	-34 546317	148 354955	0	C	Wednesday	1640	Urban	Sealed	Passenger vehicle	31	Female
24/05/2013	842890	20	Head on	2-way undivided	Wet	Daylight	-	1	East	Unclassified road	HANSENS	Rd	100	East	BLUE CRANE	Cl	Tumbi Umbi	Wyong	50	2	Non-fatal	No or unknown	No or unknown	-33 365339	151 442481	0	C	Friday	1614	Urban	Sealed	Passenger vehicle	17	Male
27/05/2013	842898	20	Head on	2-way undivided	Dry	Daylight	-	2	South	State highway	BARTON	Hwy	4000	South	YASS VALLEY WA	Op	Yass	Yass Valley	100	2	Non-fatal	No or unknown	No or unknown	-34 901903	148 377466	0	C	Monday	1605	Rural	Sealed	Passenger vehicle	24	Male
03/06/2013	842910	20	Head on	2-way undivided	Dry	Daylight	-	-	South	Unclassified road	PALM VALLEY	Rd	100	North	LIGHTHOUSE	Rd	Byron Bay	Byron	60	2	Non-fatal	No or unknown	No or unknown	-28 638043	153 631992	0	C	Monday	1600	Urban	Sealed	Heavy vehicle	38	Male
20/06/2013	843003	20	Head on	2-way undivided	Dry	Daylight	-	-	East	Unclassified road	NORTH ROCKS	Rd	70	West	LANCELEY	Ave	Carlingford	The Hills	60	2	Non-fatal	Yes	No or unknown	-33 769423	151 040447	0	C	Thursday	1120	Urban	Sealed	Passenger vehicle	20	Male
24/06/2013	843066	20	Head on	2-way undivided	Wet	Darkness	-	-	North	Other classified road	WAKEHURST	Pkwy	3000	South	WARRINGAH	Rd	Killarney Heig	Warrigah	80	3	Non-fatal	No or unknown	Yes	-33 778441	151 238304	0	C	Monday	1750	Urban	Sealed	Passenger vehicle	52	Male
26/06/2013	843113	20	Head on	2-way undivided	Wet	Darkness	-	3	East	Other classified road	APPIN	Rd	2550	North	LODDON RIVER	Bdge	Bulli	Wollongong	100	3	Non-fatal	Yes	No or unknown	-34 265612	150 891431	0	C	Wednesday	0640	Urban	Sealed	Passenger vehicle	44	Male
28/06/2013	843152	20	Head on	2-way undivided	Wet	Darkness	-	1	East	Unclassified road	MCCAFFREY	Dr	50	East	DIVALU	St	Rankin Park	Newcastle	60	2	Non-fatal	No or unknown	No or unknown	-32 923375	151 682705	0	S	Friday	1853	Urban	Sealed	Passenger vehicle	49	Female
09/09/2013	843221	20	Head on	2-way undivided	Dry	Daylight	-	1	West	Other classified road	KINGS	Hwy	560	East	WESTERN DISTRI	Rd	Currawan	Eurobodalla	60	2	Non-fatal	Yes	No or unknown	-35 900044	150 060045	0	C	Saturday	1130	Rural	Sealed	Passenger vehicle	55	Female
23/04/2013	843248	20	Head on	2-way undivided	Wet	Daylight	-	1	East	Unclassified road	PRAIRIE VALE	Rd	0	AT	NUMBER 42	Hn	Mt Lewis	Bankstown	50	3	Non-fatal	No or unknown	No or unknown	-33 916959	151 046644	0	C	Wednesday	1550	Urban	Sealed	Passenger vehicle	19	Male
24/05/2013	843304	20	Head on	2-way undivided	Wet	Daylight	-	3	South	State highway	PACIFIC	Hwy	250	South	BLOODWOOD RIDG	Op	Kundabung	Kempsey	100	2	Non-fatal	No or unknown	Yes	-31 168145	152 620817	0	S	Friday	1418	Rural	Sealed	Heavy vehicle	52	Male
12/06/2013	843360	20	Head on	2-way undivided	Wet	Daylight	-	1	South	State highway	PRINCES	Hwy	110	North	STARDALS	Lane	Arish Park	Arish	100	2	Non-fatal	No or unknown	No or unknown	-34 223800	147 937660	0	C	Monday	1420	Rural	Sealed	Passenger vehicle	25	Female
12/06/2013	843368	20	Head on	2-way undivided	Wet	Daylight	-	-	West	Unclassified road	BRISBANE	Ave	60	West	MELBOURNE	Way	Umina	Gosford	50	2	Non-fatal	No or unknown	Yes	-33 521411	151 313375	0	C	Wednesday	1315	Urban	Sealed	Passenger vehicle	82	Male
19/06/2013	843395	20	Head on	2-way undivided	Wet	Darkness	-	-	South	Unclassified road	BUNDEENA	Dr	750	North	SIR BERTRAM ST	Rd	Royal National	Sutherland	80	2	Non-fatal	Yes	No or unknown	-34 124901	151 085001	0	C	Wednesday	1732	Urban	Sealed	Passenger vehicle	20	Male
20/06/2013	843401	20	Head on	2-way undivided	Dry	Daylight	-	1	North	Other classified road	GALSTON	Pde	1000	West	MONTEVIE	Pde	Galston Gorge	Hornsby	60	2	Non-fatal	No or unknown	No or unknown	-33 660903	151 087639	0	C	Thursday	1120	Urban	Sealed	Passenger vehicle	88	Female
20/06/2013	843402	20	Head on	2-way undivided	Dry	Darkness	-	3	North	Other classified road	TORONTO	Rd	700	South	FIRST	Rd	Booragoo	Lake Macquarie	3	3	Non-fatal	No or unknown	No or unknown	-32 976002	151 605900	0	C	Thursday	1735	Urban	Sealed	Passenger vehicle	23	Male
22/06/2013	843407	20	Head on	2-way undivided	Dry	Darkness	-	-	North	Other classified road	NIMBIN	Rd	70	South	STONEY CHUTE	Rd	Nimbin	Lismore	60	2	Non-fatal	No or unknown	Yes	-28 605013	153 213946	3.8	C	Saturday	1938	Urban	Sealed	Heavy vehicle	36	Male
23/06/2013	843426	20	Head on	2-way undivided	Wet	Darkness	-	2	East	Other classified road	WALLARAH	Rd	50	West	LAKEVIEW	Ave	Gorokan	Wyong	50	2	Non-fatal	No or unknown	Yes	-33 257397	151 510012	0	C	Sunday	2020	Urban	Sealed	Passenger vehicle	35	Male
27/06/2013	843461	20	Head on	2-way undivided	Wet	Daylight	-	-	East	Other classified road	NIMBIN	Rd	270	West	HIGH	St	Nimbin	Lismore	80	2	Non-fatal	Yes	No or unknown	-28 601052	153 218965	0	C	Thursday	0800	Urban	Sealed	Passenger vehicle	47	Male
28/08/2013	843476	20	Head on	2-way undivided	Wet	Daylight	-	-	North	Unclassified road	JANE	Ave	999999	UNK	UNKOWN	Uk	Warrawong	Wollongong	60	2	Non-fatal	No or unknown	Yes	-34 484542	150 874941	0	S	Friday	1430	Urban	Sealed	Passenger vehicle	24	Female
11/06/2013	843511	20	Head on	2-way undivided	Dry	Daylight	-	-	North	Other classified road	ORIONDA	Rd	100	North	GARDENERS	Rd	Alexandra	Sydney	60	2	Non-fatal	No or unknown	Yes	-33 920012	151 192218	0	C	Monday	0750	Rural	Sealed	Passenger vehicle	23	Male
21/06/2013	843551	20	Head on	2-way undivided	Dry	Daylight	-	-	North	Unclassified road	NYES GATE	Rd	4090	East	PARK	Rd	Milthorpe	Wollongong	100	2	Non-fatal	No or unknown	No or unknown	-33 467042	149 212343	0	C	Friday	0530	Urban	Unsealed	Heavy vehicle	25	Male
22/06/2013	843657	20	Head on	2-way undivided	Wet	Daylight	-	3	North	Unclassified road	WATER	St	50	North	EXCELSIOR	Ave	Belfield	Strathfield	50	2	Non-fatal	Yes	No or unknown	-33 897816	151 082488	0	C	Saturday	1107	Urban	Sealed	Passenger vehicle	57	Male
25/06/2013	843678	20	Head on	2-way undivided	Dry	Daylight	-	1	South	State highway	PACIFIC	Hwy	150	North	OLD POST OFFIC	Lane	Ulmara	Clarence Valley	50	2	Non-fatal	No or unknown	No or unknown	-29 615906	153 035476	0	S	Tuesday	1345	Urban	Sealed	Heavy vehicle	50	Male
18/06/2013	843767	20	Head on	Divided road	Wet	Darkness	-	-	North	State highway	CUMBERLAND	Hwy	80	North	ORATAVA	Ave	West Pennant H	The Hills	70	2	Non-fatal	No or unknown	No or unknown	-33 750490	151 049102	1	S	Tuesday	2206	Urban	Sealed	Passenger vehicle	29	Male
23/06/2013	843774	20	Head on	2-way undivided	Wet	Darkness	-	-	North	Other classified road	HENRY LAWSON	Dr	200	South	NEWBRIDGE	Rd	Milpera	Bankstown	60	2	Non-fatal	No or unknown</												

28/08/2013	849721	20	Head on	2-way undivided	Dry	Daylight	-	2	North	Other classified road	SIR BERTRAM ST	Dr	4400	South	WARMUBA	Rd	Royal National	Sutherland	80	2	Non-fatal	No or unknown	No or unknown	No or unknown	-34 113572	151 064882	0	C	Wednesday	1319	Urban	Sealed	Motorcycle	23	Male
03/09/2013	850068	20	Head on	2-way undivided	Dry	Daylight	-	3	North	Other classified road	CANTERBURY	Rd	200	North	VICTORIA	Rd	Glenside	Campbelltown	60	2	Non-fatal	No or unknown	No or unknown	No or unknown	-33 983481	150 895283	0	C	Tuesday	1525	Urban	Sealed	Passenger vehicle	65	Female
05/09/2013	850104	20	Head on	2-way undivided	Dry	Darkness	-	1	South	Unclassified road	GARNETT	Rd	100	North	BRISBANE	St	East Maitland	Maitland	50	2	Non-fatal	No or unknown	Yes	Yes	-32 760559	151 587634	0	S	Thursday	1840	Urban	Sealed	Passenger vehicle	68	Female
16/09/2013	850223	20	Head on	2-way undivided	Wet	Daylight	-	-	South	Other classified road	WISEMANS FERRY	Rd	3000	South	BERECRY	Rd	Spencer	Goatford	80	2	Non-fatal	Yes	No or unknown	No or unknown	-33 368459	151 167000	0	C	Monday	1235	Urban	Sealed	Passenger vehicle	35	Male
30/10/2013	850236	20	Head on	2-way undivided	Dry	Daylight	1	1	North	Other classified road	GRAFTON-LAWRENCE	Rd	200	North	SHORTS	Rd	Lower Southgate	Clarence Valley	100	2	Fatal	No or unknown	No or unknown	No or unknown	-29 578761	153 075362	0	C	Wednesday	0740	Rural	Sealed	Passenger vehicle	22	Female
18/08/2013	850263	20	Head on	2-way undivided	Dry	Daylight	-	2	South	Other classified road	CALEDONIA	St	37	North	GOVERNMENT	Cct	Kearsley	Cessnock	60	2	Non-fatal	Yes	No or unknown	No or unknown	-32 848255	151 386271	0	C	Sunday	1309	Urban	Sealed	Passenger vehicle	31	Male
23/08/2013	850269	20	Head on	2-way undivided	Wet	Darkness	-	5	South	State highway	SNOWY MOUNTAIN	Hwy	1300	South	HUME	Hwy	Mt Adrah	Gundagai	100	2	Non-fatal	Yes	No or unknown	No or unknown	-35 187762	147 882616	0	C	Friday	1830	Rural	Sealed	Passenger vehicle	28	Male
04/09/2013	850383	20	Head on	2-way undivided	Dry	Daylight	-	2	North	Other classified road	BARENJOEY	Rd	200	North	THE BERTINTE	Ms	Bilgola Plateau	Pittwater	60	2	Non-fatal	No or unknown	No or unknown	No or unknown	-33 639886	151 331948	0	C	Wednesday	1600	Urban	Sealed	Passenger vehicle	40	Male
08/09/2013	850401	20	Head on	2-way undivided	Dry	Darkness	-	-	West	Other classified road	HAWKESBURY	Rd	200	West	THE BERTINTE	Bdge	Hawkesbury	Blackburn	60	2	Non-fatal	No or unknown	No or unknown	No or unknown	-33 587222	150 831926	0	C	Friday	1830	Urban	Sealed	Passenger vehicle	40	Female
10/09/2013	850454	20	Head on	2-way undivided	Dry	Daylight	-	-	East	Unclassified road	PYE	Rd	100	East	SUMMERFIELD	Ave	Quakers Hill	Blacktown	50	3	Non-fatal	No or unknown	No or unknown	No or unknown	-33 737232	150 895614	0	C	Tuesday	0900	Urban	Sealed	Passenger vehicle	29	Female
17/09/2013	850596	20	Head on	2-way undivided	Wet	Daylight	-	-	East	State highway	ILLAWARRA	Hwy	6000	West	NTN MACQUARIE	Rd	Albion Park	Shellharbour	50	2	Non-fatal	No or unknown	No or unknown	No or unknown	-34 570555	150 668973	0	C	Tuesday	0710	Urban	Sealed	Passenger vehicle	20	Male
05/07/2013	850641	20	Head on	2-way undivided	Dry	Daylight	-	1	South	Other classified road	REMEMBRANCE	Dr	200	North	MT HERCULES	Rd	Razorback Rang	Wollondilly	80	2	Non-fatal	No or unknown	No or unknown	No or unknown	-34 142058	150 692819	0	C	Friday	1140	Urban	Sealed	Motorcycle	47	Male
31/07/2013	850672	20	Head on	2-way undivided	Dry	Daylight	-	4	North	Other classified road	EASTERN ARTERY	Rd	350	South	CLARKE	PI	Killara	Ku-Ring-Gai	60	3	Non-fatal	Yes	Yes	Yes	-33 766241	151 177864	0	C	Wednesday	1610	Urban	Sealed	Passenger vehicle	20	Female
20/08/2013	850745	20	Head on	2-way undivided	Dry	Darkness	-	2	West	Other classified road	WANGI	Rd	100	West	RIDGE	Rd	Toronto	Lake Macquarie	50	3	Non-fatal	No or unknown	No or unknown	No or unknown	-33 019315	151 584192	0	C	Tuesday	1920	Urban	Sealed	Passenger vehicle	33	Female
21/08/2013	850748	20	Head on	Divided road	Dry	Daylight	-	1	South	Other classified road	CAMPBELLTOWN	Rd	200	South	BEN LOMOND	Rd	St Andrews	Campbelltown	70	2	Non-fatal	Yes	Yes	Yes	-34 027361	150 832548	2.3	S	Wednesday	1049	Urban	Sealed	Passenger vehicle	41	Male
25/08/2013	850774	20	Head on	2-way undivided	Dry	Daylight	-	1	North	Other classified road	PIT WATERS	Rd	150	North	KING EDWARD	Ave	Bayview	Pittwater	60	2	Non-fatal	Yes	No or unknown	No or unknown	-33 659942	151 300543	0	C	Sunday	1200	Urban	Sealed	Passenger vehicle	18	Male
28/08/2013	850789	20	Head on	Divided road	Dry	Daylight	-	-	South	Other classified road	RICHMOND	Rd	80	North	WSH GARFIELD	Rd	Manden Park	Blacktown	60	2	Non-fatal	No or unknown	Yes	Yes	-33 697230	150 831654	3.7	S	Wednesday	0650	Urban	Sealed	Passenger vehicle	26	Male
31/08/2013	850824	20	Head on	2-way undivided	Dry	Daylight	-	1	West	Other classified road	SIR BERTRAM ST	Dr	7000	South	AUDLEY	Rd	Royal National	Sutherland	80	2	Non-fatal	No or unknown	No or unknown	No or unknown	-34 114520	151 066542	0	C	Saturday	1200	Urban	Sealed	Motorcycle	21	Male
06/11/2013	850850	20	Head on	2-way undivided	Dry	Daylight	1	1	South	Unclassified road	ANNANGROVE	Rd	500	South	EDWARDS	Rd	Rouse Hill	The Hills	70	2	Fatal	No or unknown	No or unknown	No or unknown	-33 664261	150 919705	0	S	Wednesday	1700	Urban	Sealed	Heavy vehicle	30	Male
17/09/2013	850937	20	Head on	2-way undivided	Wet	Daylight	-	1	South	Unclassified road	PATERSON RIVER	Rd	9000	North	DURHAM	Rd	Gresford	Dungog	80	2	Non-fatal	Yes	No or unknown	No or unknown	-32 378978	151 497351	0	S	Tuesday	0743	Urban	Sealed	Passenger vehicle	61	Female
27/08/2013	851039	20	Head on	2-way undivided	Dry	Darkness	-	1	South	Other classified road	GEORGE DOWNES	Dr	2075	North	GRETA	Rd	Kulnura	Wyong	60	2	Non-fatal	No or unknown	No or unknown	No or unknown	-33 212339	151 206820	0	C	Tuesday	2010	Urban	Sealed	Passenger vehicle	38	Male
04/09/2013	851149	20	Head on	L- junction	Dry	Daylight	-	1	West	Unclassified road	BESSEMER	St	0	AT	WAVERLEY	Pde	Mittagong	Wingecarribee	50	2	Non-fatal	No or unknown	No or unknown	No or unknown	-34 454629	150 443977	0	C	Wednesday	0840	Urban	Sealed	Passenger vehicle	49	Female
08/09/2013	851226	20	Head on	2-way undivided	Dry	Darkness	-	-	North	Other classified road	MULGOA	Rd	200	South	ROSCREA	Ent	Mulgoa	Penrith	80	2	Non-fatal	No or unknown	No or unknown	No or unknown	-33 850655	150 659661	0	C	Sunday	0135	Urban	Sealed	Passenger vehicle	34	Male
09/09/2013	851252	20	Head on	2-way undivided	Dry	Darkness	-	5	East	Other classified road	LYONS	Rd	100	East	GREAT NORTH	Rd	Five Dock	Canada Bay	50	3	Non-fatal	Yes	No or unknown	No or unknown	-33 863912	151 131390	0	C	Monday	2125	Urban	Sealed	Passenger vehicle	30	Male
10/09/2013	851262	20	Head on	2-way undivided	Dry	Daylight	-	-	East	Unclassified road	MOONBI GAP	Rd	770	West	NEW ENGLAND GU	Rd	Moorbi	Tamworth Regional	50	2	Non-fatal	No or unknown	No or unknown	No or unknown	-31 015048	151 061265	0	C	Tuesday	1225	Urban	Sealed	Heavy vehicle	23	Male
12/07/2013	851263	20	Head on	2-way undivided	Wet	Darkness	-	-	West	Unclassified road	CAULFIELD	Rd	50	West	NEW ENGLAND GU	Rd	Young	Blackburn	50	2	Non-fatal	No or unknown	No or unknown	No or unknown	-33 231480	151 061265	0	C	Friday	1830	Urban	Sealed	Passenger vehicle	19	Female
10/08/2013	851340	20	Head on	2-way undivided	Dry	Daylight	-	1	North	Unclassified road	DYDEN	Ave	50	North	LAMERTON	St	Oakhurst	Blacktown	50	2	Non-fatal	No or unknown	No or unknown	No or unknown	-33 740312	150 840937	0	C	Saturday	1220	Urban	Sealed	Motorcycle	42	Male
16/08/2013	851361	20	Head on	2-way undivided	Dry	Daylight	-	2	East	Unclassified road	COBBITTY	Rd	800	West	THE NORTHERN	Rd	Cobbitty	Camden	200	2	Non-fatal	No or unknown	No or unknown	No or unknown	-34 013561	150 715517	0	C	Friday	1615	Urban	Sealed	Passenger vehicle	44	Female
12/09/2013	851500	20	Head on	Divided road	Dry	Daylight	-	2	South	Other classified road	BURNS BAY	Rd	200	South	VIEW	St	Linley Point	Lane Cove	60	3	Non-fatal	Yes	No or unknown	No or unknown	-33 826493	151 148911	1	C	Thursday	1200	Urban	Sealed	Passenger vehicle	32	Male
11/11/2013	851627	20	Head on	2-way undivided	Wet	Darkness	1	1	North	State highway	PACIFIC	Hwy	75	North	MUSK VALLEY	Ck	South Grafton	Clarence Valley	70	2	Fatal	Yes	No or unknown	No or unknown	-29 713357	152 949100	0	C	Monday	2000	Urban	Sealed	Passenger vehicle	44	Male
14/11/2013	851629	20	Head on	2-way undivided	Dry	Daylight	1	1	North	Other classified road	T C FRITH	Ave	300	South	MAIN	Rd	Boolaroo	Lake Macquarie	70	2	Fatal	No or unknown	No or unknown	No or unknown	-32 946622	151 621532	0	C	Thursday	1110	Urban	Sealed	Passenger vehicle	89	Male
16/11/2013	851631	20	Head on	2-way undivided	Wet	Daylight	1	1	West	State highway	OXLEY	Hwy	2000	East	KAMILAROI	Hwy	Gunnedah	Gunnedah	100	2	Fatal	Yes	No or unknown	No or unknown	-30 980212	150 294751	0	C	Saturday	1450	Rural	Sealed	Passenger vehicle	88	Male
03/03/2013	851639	20	Head on	2-way undivided	Wet	Darkness	-	-	North	Other classified road	CORAMBA	Rd	940	South	MT BROWNE	Rd	Karangi	Coffs Harbour	60	2	Non-fatal	Yes	No or unknown	No or unknown	-30 276540	153 059391	0	C	Sunday	2100	Urban	Sealed	Heavy vehicle	18	Male
24/08/2013	851675	20	Head on	2-way undivided	Dry	Daylight	-	2	North	State highway	PACIFIC	Hwy	500	South	OLD PACIFIC	Hwy	Glanvale	Clarence Valley	100	2	Non-fatal	No or unknown	Yes	Yes	-29 795071	153 026759	0	C	Saturday	0551	Rural	Sealed	Passenger vehicle	38	Male
12/09/2013	851795	20	Head on	2-way undivided	Dry	Darkness	-	-	West	Other classified road	MURRINGO	Rd	50	South	HUME	Rd	Young	Blackburn	50	2	Non-fatal	No or unknown	No or unknown	No or unknown	-34 317613	148 311224	0	C	Friday	1600	Urban	Sealed	Passenger vehicle	35	Male
16/09/2013	851862	20	Head on	Divided road	Wet	Daylight	-	-	West	Unclassified road	HURSTVILLE	Rd	80	East	LOUISA	St	Oatley	Kogarah	50	2	Non-fatal	Yes	No or unknown	No or unknown	-33 977208	151 086245	1	C	Monday	1455	Urban	Sealed	Passenger vehicle	38	Female
16/09/2013	851878	20	Head on	2-way undivided	Dry	Darkness	-	1	North	State highway	NEW ENGLAND	Hwy	2350	South	NEWTON	St	Wallabadah	Liverpool Plains	100	2	Non-fatal	Yes	Yes	Yes	-31 566349	150 829261	0	C	Monday	0055	Rural	Sealed	Passenger vehicle	25	Male
19/09/2013	851927	20	Head on	2-way undivided	Dry	Daylight	-	-	East	Unclassified road	CEDAR CREEK	Rd	260	East	BEECH	Lane	Wilsons Creek	Byron	80	2	Non-fatal	Yes	No or unknown	No or unknown	-28 578722	153 447867	0	C	Thursday	1100	Urban	Unsealed	Passenger vehicle	67	Male
20/09/2013	851946	20	Head on	2-way undivided	Dry	Daylight	-	-	East	Other classified road	KYOGLE	Rd	300	West	QUARRY	Rd	Kyogle	Kyogle	60	2	Non-fatal	No or unknown	No or unknown	No or unknown	-28 602834	153 055273	0	C	Friday	0715	Urban	Sealed	Passenger vehicle	34	Male
24/09/2013	852041	20	Head on	2-way undivided	Dry	Daylight	-	-	North	State highway	ILLAWARRA	Hwy	4820	North	CLOVER HILL	Rd	Macquarie Pass	Shellharbour	60	2	Non-fatal	Yes	No or unknown	No or unknown	-34 559638	150 640796	0	C	Tuesday	0620	Urban	Sealed	Passenger vehicle	41	Male
24/09/2013	852046	20	Head on	2-way undivided	Dry	Daylight	-	2	East	State highway	PACIFIC	Hwy	840	East	KAROO	Rd	Somersby	Gosford	60	2	Non-fatal	Yes	No or unknown	No or unknown	-33 441157	151 252219	0	C	Tuesday	1530	Urban	Sealed	Motorcycle	35	Female
27/07/2013	852091	20	Head on	2-way undivided	Dry	Daylight	-	1	North	Unclassified road	KANANGRA	Dr	2000	North	PACIFIC	Hwy	Chain Valley B	Wyong	80	2	Non-fatal	No or unknown	Yes	Yes	-33 165594	151 587891	0	C	Saturday	0528	Urban	Sealed	Passenger vehicle	23	Female
02/08/2013	852104	20	Head on	2-way undivided	Dry	Darkness	-	1	North	Unclassified road	LONGVIEW	Rd	50	South	CHURCH	St	Port Macquarie-Hastin	Blackburn	50	2	Non-fatal	No or unknown	No or unknown	No or unknown	-33 441756	150 831926	0	C	Friday	1758	Urban	Sealed	Passenger vehicle	36	Male
22/08/2013	852157	20	Head on	2-way undivided	Dry	Daylight	-	2	North	Unclassified road	MILITARY	Rd	50	North	WENTWORTH	St	North Bondi	Blackburn	50	2	Non-fatal	No or unknown	No or unknown	No or unknown	-33 881577	151 282542	0	C							

29/10/2013	856666	20	Head on	2-way undivided	Dry	Daylight	-	2	East	Other classified road	JOHN RENSHAW	Dr	2000	West	GEORGE BOOTH	Dr	Buchanan	Cessnock	90	2	Non-fatal	No or unknown	No or unknown	No or unknown	-32.830323	151.906379	0	S	Tuesday	0555	Rural	Sealed	Heavy vehicle	40	Male
07/11/2013	856924	20	Head on	2-way undivided	Dry	Darkness	-	1	East	Unclassified road	MAIN ARM	Rd	1000	West	THE POCKET	Rd	Byron	Cyrn	100	2	Non-fatal	No or unknown	No or unknown	No or unknown	-28.502210	153.424377	0	S	Thursday	2045	Rural	Sealed	Passenger vehicle	76	Male
07/11/2013	856928	20	Head on	2-way undivided	Dry	Darkness	-	1	West	State highway	MITCHELL	Hwy	1300	West	BENI	St	Wongarbon	Dubbo	110	2	Non-fatal	No or unknown	Yes	Yes	-32.266078	148.746834	0	S	Thursday	0555	Rural	Sealed	Heavy vehicle	61	Male
03/10/2013	856944	20	Head on	2-way undivided	Wet	Daylight	-	1	South	Other classified road	SPINNAKER RIDG	Way	Belmont	North	Lake Macquarie	Way	Belmont	Lake Macquarie	60	2	Non-fatal	Yes	No or unknown	No or unknown	-33.018751	151.647998	0	C	Thursday	1055	Urban	Sealed	Passenger vehicle	49	Female
14/10/2013	857014	20	Head on	Divided road	Dry	Daylight	-	1	South	Other classified road	HENRY LAWSON	Dr	200	North	TOWER	Rd	Bankstown Airp	Bankstown	2	2	Non-fatal	Yes	No or unknown	Yes	-33.925517	150.978336	0	S	Monday	1315	Urban	Sealed	Passenger vehicle	44	Male
26/10/2013	857154	20	Head on	2-way undivided	Dry	Daylight	-	1	East	Unclassified road	PRINCE EDWARD PA	Rd	300	West	THORP	Rd	Woronora	Sutherland	50	2	Non-fatal	Yes	No or unknown	No or unknown	-34.028200	151.039235	0	C	Saturday	1816	Urban	Sealed	motorcycle	16	Male
30/10/2013	857217	20	Head on	2-way undivided	Dry	Daylight	-	1	East	Unclassified road	MCCAFFREY	Dr	200	North	DEAN	Pde	Rankin Park	Newcastle	50	2	Non-fatal	No or unknown	No or unknown	No or unknown	-32.923233	151.878762	0	C	Wednesday	1509	Urban	Sealed	Passenger vehicle	41	Female
02/11/2013	857277	20	Head on	2-way undivided	Dry	Darkness	-	1	South	Other classified road	COUGHLIN	Rd	500	South	CLUDJON	Rd	Geosp	Turmut	100	2	Non-fatal	No or unknown	No or unknown	No or unknown	-35.203517	148.165341	0	S	Saturday	1740	Rural	Sealed	Passenger vehicle	23	Female
11/11/2013	857436	20	Head on	2-way undivided	Dry	Daylight	-	2	North	Other classified road	CLAWARRA	Way	200	North	CLAWARRA	Way	Shellharbour	Macquarie Pass	50	2	Non-fatal	Yes	No or unknown	Yes	-32.568240	150.784440	0	C	Monday	0740	Urban	Sealed	Passenger vehicle	53	Male
10/11/2013	857579	20	Head on	2-way undivided	Wet	Darkness	-	2	North	State highway	GREAT WESTERN	Hwy	177	South	VICTORIA FALLS	Rd	Mt Victoria	Blue Mountains	60	2	Non-fatal	No or unknown	No or unknown	No or unknown	-33.597192	150.264261	0	C	Sunday	1730	Urban	Sealed	Passenger vehicle	63	Female
10/11/2013	857590	20	Head on	2-way undivided	Wet	Daylight	-	1	South	Unclassified road	WISEMANS FERRY	Rd	300	North	NTH DEBENHAM	Rd	Somersby	Gosford	70	2	Non-fatal	Yes	No or unknown	No or unknown	-33.86641	151.289085	0	C	Sunday	1700	Urban	Sealed	Passenger vehicle	19	Male
13/11/2013	857651	20	Head on	2-way undivided	Dry	Daylight	-	1	North	Other classified road	WINE COUNTRY	Dr	1150	North	BROKE	Rd	Rothbury	Cessnock	60	2	Non-fatal	Yes	Yes	Yes	-32.766382	151.337425	0	S	Wednesday	0550	Rural	Sealed	Heavy vehicle	30	Male
19/11/2013	1000039	20	Head on	2-way undivided	Wet	Daylight	-	1	North	Unclassified road	MEADOW	Rd	535	East	TOWNSON	Rd	Schofields	Blacktown	60	2	Non-fatal	Yes	No or unknown	No or unknown	-33.713195	150.857191	0	C	Tuesday	0610	Urban	Sealed	Passenger vehicle	40	Male
19/11/2013	1000085	20	Head on	2-way undivided	Dry	Daylight	-	1	North	Unclassified road	AMPHITHEATRE	Cct	65	South	SOLAR	Ave	Baulkham Hills	The Hills	50	2	Non-fatal	No or unknown	No or unknown	No or unknown	-33.756576	150.958120	0	C	Tuesday	0855	Urban	Sealed	Heavy vehicle	19	Male
14/11/2013	1000125	20	Head on	2-way undivided	Dry	Daylight	-	1	West	State highway	OXLEY	Hwy	61000	West	BLACKBUTT	Dr	Mount Seaview	Port Macquarie-Hastin	100	2	Non-fatal	No or unknown	No or unknown	No or unknown	-31.413288	152.227086	0	C	Thursday	1140	Rural	Sealed	Motorcycle	47	Male
30/11/2013	1000290	20	Head on	2-way undivided	Dry	Daylight	-	1	East	Other classified road	GEORGE BOOTH	Dr	3400	East	RICHMOND VALE	Rd	Stockington	Cessnock	80	2	Non-fatal	Yes	No or unknown	No or unknown	-32.866171	151.554498	0	C	Saturday	1440	Urban	Sealed	Heavy vehicle	80	Female
11/11/2013	1000308	20	Head on	2-way undivided	Wet	Daylight	-	2	North	Other classified road	GEORGE BOOTH	Dr	500	South	CAMERON PARK	Dr	West Wallsend	Lake Macquarie	80	2	Non-fatal	Yes	No or unknown	No or unknown	-32.903836	151.592568	0	C	Monday	0620	Urban	Sealed	Passenger vehicle	28	Male
25/11/2013	1000314	20	Head on	2-way undivided	Dry	Daylight	-	1	East	Unclassified road	MCDERMOTT	Dr	90	West	MIDDLE ARM	Rd	Goulburn	Goulburn Mulwaree	50	2	Non-fatal	Yes	No or unknown	Yes	-34.730659	149.732898	0	S	Monday	1439	Urban	Sealed	Passenger vehicle	48	Female
13/07/2013	1000324	20	Head on	2-way undivided	Dry	Darkness	-	1	North	Other classified road	FRANCIS	Rd	220	North	ORION	St	Rooty Hill	Blacktown	60	3	Non-fatal	No or unknown	Yes	Yes	-33.772525	150.836744	0	S	Saturday	2355	Urban	Sealed	Passenger vehicle	35	Male
06/11/2013	1000329	20	Head on	2-way undivided	Dry	Daylight	-	1	West	Other classified road	BOMADERRY-MOSS	Rd	4630	West	BUNKERS HILL	Rd	Barrengrary	Shoalhaven	60	2	Non-fatal	No or unknown	No or unknown	No or unknown	-34.688020	150.495243	0	C	Wednesday	0815	Urban	Sealed	Heavy vehicle	69	Male
03/10/2013	1000434	20	Head on	2-way undivided	Wet	Daylight	-	1	East	Unclassified road	NAVAL COLLEGE	Rd	2000	South	HUSKISSON	Rd	Worronging Heights	Shoalhaven	80	2	Non-fatal	Yes	No or unknown	No or unknown	-35.053159	150.632725	0	C	Thursday	0640	Urban	Sealed	Heavy vehicle	19	Male
16/12/2013	1000471	20	Head on	2-way undivided	Dry	Daylight	-	1	West	Unclassified road	CUDDGEN	Rd	250	East	CUDDGEN	Rd	Stotts Creek	Tweed	80	2	Non-fatal	No or unknown	No or unknown	No or unknown	-28.275661	150.830965	0	C	Monday	0800	Urban	Sealed	Motorcycle	32	Male
11/11/2013	1000529	20	Head on	2-way undivided	Wet	Daylight	-	2	West	Unclassified road	BOWEN MOUNTAIN	Rd	1000	West	GROSE VALE	Rd	Grose Vale	Hawkesbury	60	2	Non-fatal	Yes	No or unknown	No or unknown	-33.572771	150.636791	0	C	Monday	0920	Urban	Unsealed	Passenger vehicle	62	Female
18/11/2013	1000551	20	Head on	2-way undivided	Wet	Daylight	-	1	North	Other classified road	CAMPBELLTOWN	Rd	2000	North	DENHAM COURT	Rd	Edmondson Park	Liverpool	70	2	Non-fatal	No or unknown	No or unknown	No or unknown	-33.974649	150.856473	0	C	Monday	1721	Urban	Sealed	Heavy vehicle	37	Male
11/12/2013	1000611	20	Head on	2-way undivided	Dry	Daylight	-	1	North	Other classified road	SIR BERTRAM STEV	Dr	3000	North	BUNDEENA	Dr	Royal National Pa	Sutherland	60	2	Non-fatal	Yes	No or unknown	No or unknown	-34.113631	151.065280	0	C	Wednesday	1610	Urban	Sealed	Passenger vehicle	26	Male
08/11/2013	1000616	20	Head on	2-way undivided	Dry	Daylight	-	1	West	Other classified road	CLAYDON	Rd	1000	West	GARFIELD S	Rd	Maysong	Mid-Western Regiona	100	2	Non-fatal	No or unknown	No or unknown	No or unknown	-32.474303	150.890670	0	C	Thursday	0843	Rural	Unsealed	Passenger vehicle	24	Male
04/12/2013	1000690	20	Head on	2-way undivided	Dry	Daylight	-	2	West	Other classified road	HILL END	Rd	950	East	MCDONALDS	Rd	Erugerra	Mid-Western Regiona	100	2	Non-fatal	No or unknown	No or unknown	No or unknown	-32.579523	149.513419	0	C	Wednesday	1145	Rural	Sealed	Passenger vehicle	23	Female
01/12/2013	1000738	20	Head on	Dual freeway	Dry	Daylight	-	1	North	Freeway/motorway	NEWCASTLE	Exp	1000	North	KU-RING-GAI CHASE R	Op	Mount Colah	Hornsby	110	2	Non-fatal	No or unknown	No or unknown	No or unknown	-33.669672	151.121173	8	C	Sunday	1240	Urban	Sealed	Passenger vehicle	69	Male
27/10/2013	1000753	20	Head on	2-way undivided	Dry	Daylight	-	2	South	State highway	PACIFIC	Hwy	200	South	HAMBLY	Lane	Newrybar	Ballina	90	4	Non-fatal	No or unknown	No or unknown	No or unknown	-28.734649	153.533291	0	C	Sunday	1755	Rural	Sealed	Passenger vehicle	23	Female
05/11/2013	1000790	20	Head on	2-way undivided	Dry	Daylight	-	2	East	Unclassified road	FISHERY POINT	Rd	500	East	YARRAWONGA PARK	Rd	Brightwaters	Lake Macquarie	70	2	Non-fatal	No or unknown	Yes	Yes	-33.106305	151.549377	0	C	Tuesday	1446	Urban	Unsealed	Motorcycle	18	Male
17/11/2013	1000808	20	Head on	2-way undivided	Wet	Daylight	-	1	North	State highway	ILLAWARRA	Hwy	400	North	CLOVER HILL	Rd	Macquarie Pass	Shellharbour	60	2	Non-fatal	Yes	No or unknown	No or unknown	-34.565137	150.665537	0	C	Sunday	1635	Urban	Sealed	Passenger vehicle	21	Male
03/11/2013	1000812	20	Head on	2-way undivided	Dry	Daylight	-	1	West	Other classified road	ARMIDALE	Rd	1000	East	CORANGULA	Rd	Deep Creek	Kempsey	100	2	Non-fatal	Yes	Yes	Yes	-30.985591	152.693194	0	S	Sunday	0915	Rural	Sealed	Passenger vehicle	31	Male
03/12/2013	1000876	20	Head on	2-way undivided	Dry	Daylight	-	2	West	State highway	OXLEY	Hwy	150	East	BURRAWANG FOREST	Dr	Sanctox	Port Macquarie-Hastin	90	3	Non-fatal	Yes	No or unknown	No or unknown	-31.466046	152.806503	0	S	Tuesday	1625	Rural	Sealed	Passenger vehicle	48	Male
04/12/2013	1001149	20	Head on	2-way undivided	Dry	Daylight	-	1	South	Unclassified road	WESTER	Rd	160	West	TABLELAND	Rd	Wentworth Falls	Blue Mountains	50	2	Non-fatal	No or unknown	No or unknown	No or unknown	-33.725562	150.383098	0	C	Wednesday	1515	Urban	Sealed	Passenger vehicle	85	Male
05/12/2013	1001230	20	Head on	2-way undivided	Dry	Daylight	-	1	East	Other classified road	RICHMOND	Rd	180	West	GARFIELD	Rd	Blacktown	Blacktown	80	2	Non-fatal	No or unknown	No or unknown	No or unknown	-33.684298	150.819095	0	C	Thursday	1315	Urban	Sealed	Heavy vehicle	24	Female
14/12/2013	1001231	20	Head on	2-way undivided	Dry	Daylight	-	2	North	Other classified road	GEORGE	St	250	North	CORNIAL	Dr	Bligh Park	Hawkesbury	70	2	Non-fatal	No or unknown	No or unknown	No or unknown	-33.632706	150.790353	0	S	Saturday	1155	Urban	Sealed	Heavy vehicle	20	Female
02/12/2013	1001335	20	Head on	2-way undivided	Dry	Daylight	-	1	East	Unclassified road	ARMIDALE	Rd	20650	West	FIVE DAY CREEK	Rd	Lower Creek	Armistade Dumaresq	60	2	Non-fatal	No or unknown	No or unknown	No or unknown	-30.746630	152.242495	0	C	Monday	1200	Urban	Unsealed	Passenger vehicle	52	Male
06/11/2013	1001462	20	Head on	Divided road	Dry	Darkness	-	1	North	Other classified road	PICTON	Rd	50	South	WILTON PARK	Rd	Wilton	Wollondilly	60	3	Non-fatal	No or unknown	Yes	Yes	-34.226571	150.664541	1.5	S	Wednesday	0525	Urban	Sealed	Heavy vehicle	25	Male
11/11/2013	1001506	20	Head on	2-way undivided	Wet	Darkness	-	2	North	Unclassified road	MACARTHUR	Rd	50	West	MERINO	Rd	Elderslie	Camden	50	2	Non-fatal	No or unknown	No or unknown	No or unknown	-34.058712	150.711061	0	S	Monday	1930	Urban	Sealed	Passenger vehicle	24	Male
29/04/2013	1001511	20	Head on	2-way undivided	Dry	Daylight	-	3	North	Unclassified road	GLENIFFER	Rd	100	North	ROSES	Rd	Bellingen	Bellingen	100	2	Non-fatal	No or unknown	No or unknown	No or unknown	-30.434715	152.880972	0	C	Monday	1215	Rural	Sealed	Heavy vehicle	27	Male
25/11/2013	1001544	20	Head on	Divided road	Wet	Daylight	-	1	South	State highway	CENTRAL COAST	Hwy	20	South	DANE	St	Gosford	Gosford	60	2	Non-fatal	No or unknown	No or unknown	No or unknown	-33.433056	151.342203	1.5	C	Monday	1253	Urban	Sealed	Passenger vehicle	24	Female
29/11/2013	1001721	20	Head on	Divided road	Wet	Darkness	-	1	East	Other classified road	NEWCASTLE	Rd	200	East	CROUDACE	St	Lambton	Newcastle	70	2	Non-fatal	No or unknown	No or unknown	No or unknown	-32.909413	151.707273	5.6	S	Friday	2100	Urban	Sealed	Passenger vehicle	80	Female
11/11/2013	1001743	20	Head on	2-way undivided	Wet	Daylight	-	1	East	Other classified road	COOPER	Rd	300	East	COOPER	Rd	Blackfield	Blackfield	60	2	Non-fatal	No or unknown	No or unknown	No or unknown	-33.844270	150.973200	0	C	Monday	0730	Urban	Sealed	Passenger vehicle	31	Female
18/11/2013	1001748	20	Head on	2-way undivided	Wet	Darkness	-	1	East	Other classified road	ELBOW	St	0	AT	RIVER	St	West Kempsey	Horsford																	

Appendix C – Crash Rates

Speed Environment 50-60km/h

	Street of Crash	Street Type	Town	LGA	Speed	Latitude	Longitude	Traffic count (E)	Traffic count (W)	Traffic count (N)	Traffic count (S)	Combined traffic	No. crashes	Crash rates
0m	DELHI	Rd	North Ryde	Ryde	60	-33.792356	151.153493	16525	17315			33840	7	1.13346E-07
	FULLERS	Rd	West Chatswood	Willoughby	50	-33.796855	151.168122	14605	25430			40035	8	1.09493E-07
	RIFLE RANGE	Rd	Northmead	The Hills	50	-33.774870	151.001791			25755	25985	51740	5	5.29518E-08
	HAWKESBURY	Rd	Hawkesbury Hei	Blue Mountains	60	-33.667449	150.650669			1810	1796	3606	7	1.06368E-06
	OLD BATHURST	Rd	Blaxland	Blue Mountains	60	-33.743020	150.640359	4510	5387			9897	11	6.09013E-07
	PITTWATER	Rd	Hunters Hill	Hunters Hill	60	-33.818379	151.137734			10625	10545	21170	6	1.55299E-07
	EASTERN ARTERI	Rd	St Ives	Ku-Ring-Gai	60	-33.748442	151.174223			9683	8784	18467	18	5.34089E-07
	BELLS LINE OF	Rd	Kurrajong Heig	Hawkesbury	60	-33.542154	150.633776	11884	11884			23768	9	2.07485E-07
	GALSTON	Rd	Hornsby Height	Hornsby	60	-33.662322	151.082943	2691	2768			5459	6	6.02248E-07
BARRENJOEY	Rd	Bilgola Platea	Pittwater	60	-33.639886	151.331948			9352	9943	19295	10	2.83938E-07	
0-1m	VICTORIA	Rd	Ryde	Ryde	60	-33.814850	151.098489	32144	27495			59639	5	4.59385E-08
	PACIFIC	Hwy	Pymble	Ku-Ring-Gai	60	-33.748421	151.145449			29585	33693	63278	6	5.1956E-08
	SPIT	Rd	The Spit	Mosman	60	-33.811130	151.244212			33621	28496	62117	4	3.52847E-08
	GREAT WESTERN	Hwy	Petersham	Marrickville	60	-33.888706	151.155481	21770	27813			49583	4	4.42043E-08
	BURNS BAY	Rd	Linley Point	Lane Cove	60	-33.826493	151.148911			20819	23204	44023	2	2.48936E-08
1-2m	PLATT	St	Mayfield	Newcastle	60	-32.903255	151.732646			9655	6529	16184	3	1.01572E-07
	VICTORIA	St	East Gosford	Gosford	60	-33.439619	151.355138	25626	25129			50755	3	3.23877E-08
	ELIZABETH	Dr	Liverpool	Liverpool	60	-33.914756	150.908814	24170	22749			46919	2	2.33571E-08
	THE HORSLEY	Dr	Fairfield	Fairfield	50	-33.867704	150.957891			22080	22794	44874	2	2.44215E-08
	DOBROYD	Pde	Dobroyd Point	Ashfield	60	-33.869835	151.145504	31207	30402			61609	2	1.77878E-08
	SPIT	Rd	The Spit	Mosman	60	-33.812370	151.244724			33621	28496	62117	3	2.64635E-08
	THE LAKES	Way	Tuncurry	Great Lakes	50	-32.175459	152.499540			12349	12356	24705	2	4.43591E-08
2-3m	HURLEY	St	Campbelltown	Campbelltown	60	-34.071871	150.806048	5222	5120			10342	2	1.05965E-07
	BLACKTOWN	Rd	South Windsor	Penrith	60	-33.639165	150.783523			9626	10338	19964	2	5.48933E-08
	GENERAL HOLMES	Dr	Sydney Airport	Rockdale	60	-33.946031	151.181515			55215	53381	108596	2	1.00914E-08
	DOBROYD	Pde	Haberfield	Ashfield	60	-33.870490	151.142917		26139			26139	2	4.19255E-08
3-4m														
3-5m	MOOREFIELDS	Rd	Kingsgrove	Canterbury	60	-33.930993	151.096853	6735	8075			14810	1	3.69983E-08
	GREAT WESTERN	Hwy	Pendle Hill	Holroyd	60	-33.814305	150.963415	21532	20433			41965	1	1.30572E-08
	PRINCES	Hwy	Chippendale	Sydney	50	-33.887606	151.193314			24530	24428	48958	1	1.11921E-08
5-6m	GREAT WESTERN	Hwy	Blaxland	Blue Mountains	60	-33.741865	150.607082	38314	4080			42394	1	1.29251E-08
	OXLEY	Hwy	West Tamworth	Tamworth Regional	60	-31.099088	150.906868	5638				5638	1	9.71879E-08
	YASS	Rd	Dodsworth	Queanbeyan	60	-35.338055	149.242513			7184	947	8131	1	6.73896E-08

Speed Environment 70-80km/h

	Street of Crash	Street Type	Town	LGA	Speed	Latitude	Longitude	Traffic count (E)	Traffic count (W)	Traffic count (N)	Traffic count (S)	Combined count	No. crashes	Crash rate
0m	NAVAL COLLEGE	Rd	Old Erowal Bay	Shoalhaven	80	-35.062894	150.637119	3857	3729			7586	9	6.5008E-07
	REMEMBRANCE	Dr	Razorback Rang	Wollondilly	70	-34.128975	150.688405			5782	5843	11625	12	5.65621E-07
	ELIZABETH	Dr	Badgerys Creek	Penrith	80	-33.872744	150.745880	3886	4037			7923	6	4.14953E-07
	CAPTAIN COOK	Dr	Kurnell	Sutherland	80	-34.026677	151.163520	18645	19172			37817	6	8.69363E-08
	HEATHCOTE	Rd	Heathcote	Sutherland	70	-34.068300	150.996859			10760	10430	21190	14	3.62021E-07
	MAMRE	Rd	Kemps Creek	Penrith	80	-33.837844	150.780954			8450	9255	17705	9	2.78538E-07
	WALLGROVE	Rd	Horsley Park	Fairfield	80	-33.830271	150.855836			10500	11151	21651	6	1.51848E-07
	CAMPBELLTOWN	Rd	Denham Court	Campbelltown	70	-33.993637	150.844713			15063	17149	32212	6	1.02064E-07
CAMDEN VALLEY	Way	Leppington	Camden	80	-33.976583	150.808810			12054	11525	23579	8	1.8591E-07	
0-1m	PRINCES	Hwy	Blakehurst	Kogarah	70	-33.992035	151.114248			61460	41824	103284	3	1.59157E-08
	CUMBERLAND	Hwy	West Pennant H	The Hills	70	-33.750490	151.049102			42641	37416	80057	2	1.36889E-08
	SHELLHARBOUR	Rd	Lake Illawarra	Shellharbour	70	-34.543389	150.863212			18972	17976	36948	2	2.96603E-08
	WYONG	Rd	Tuggerah	Wyong	70	-33.319542	151.426990	14472	14092			28564	3	5.75492E-08
1-2m	RYDE	Rd	West Pymble	Ku-Ring-Gai	80	-33.762994	151.137171			30807	29447	60254	2	1.81878E-08
	QANTAS	Dr	Mascot	Botany Bay	70	-33.927115	151.183174	30024	28172			58196	2	1.8831E-08
	PRINCES	Hwy	Arncliffe	Rockdale	70	-33.937503	151.149027			18927	22231	41158	2	2.66264E-08
	DOBROYD	Pde	Haberfield	Ashfield	70	-33.870150	151.147339	31207	30402			61609	2	1.77878E-08
	CUMBERLAND	Hwy	Pennant Hills	Hornsby	70	-33.735639	151.075937			23633	33420	57053	3	2.88124E-08
	GREAT WESTERN	Hwy	Springwood	Blue Mountains	80	-33.699129	150.572606	21030	14270			35300	3	4.65676E-08
2-3m	NEWBRIDGE	Rd	Chipping Norto	Liverpool	70	-33.928514	150.967687	44264	28015			72279	2	1.51619E-08
	PACIFIC	Hwy	Highfields	Lake Macquarie	70	-32.952699	151.712037			25527	24571	50098	4	4.37499E-08
	NEW ENGLAND	Hwy	Maitland	Maitland	80	-32.739151	151.550020	14063	19788			33851	4	6.47479E-08
	GREAT WESTERN	Hwy	Warrimoo	Blue Mountains	80	-33.721368	150.595652			21061	21701	42762	5	6.40692E-08
	PRINCES	Hwy	Gynea	Sutherland	70	-34.024526	151.088352			32183	29739	61922	3	2.65469E-08
3-4m	OLD WINDSOR	Rd	Old Toongabbie	Parramatta	80	-33.786807	150.973402			34597	33932	68529	3	2.39874E-08
	RICHMOND	Rd	Marsden Park	Blacktown	80	-33.697230	150.831654	11318	11431			22749	2	4.81731E-08
	PACIFIC	Hwy	Emerald Beach	Coffs Harbour	80	-30.174884	153.168066			11130	11034	22164	3	7.41669E-08
4-5m	PRINCES	Hwy	Sutherland	Sutherland	80	-34.039856	151.060541			24827	24631	49458	2	2.2158E-08
	GREAT WESTERN	Hwy	Blaxland	Blue Mountains	80	-33.753154	150.611438			21061	21701	42762	5	6.40692E-08
5-6m	BURNT BRIDGE C	Bypa	Balgowlah	Warringah	80	-33.789203	151.257283			20599	2767	23366	1	2.34505E-08
	PICTON	Rd	Wilton	Wollondilly	80	-34.235991	150.683438	4639	9300			13939	1	3.93102E-08
	PACIFIC	Hwy	Sandgate	Newcastle	80	-32.865491	151.706938			11389	14872	26261	1	2.08654E-08
	NELSON BAY	Rd	Williamtown	Port Stephens	80	-32.808242	151.848790			13622	12579	26201	1	2.09131E-08
	FOREST	Way	Belrose	Warringah	80	-33.727507	151.220475			20020	21280	41300	1	1.32674E-08
	NEWCASTLE	Rd	Lambton	Newcastle	70	-32.909413	151.707275	23129	23740			46869	1	1.1691E-08
	SHELLHARBOUR	Rd	Shellharbour	Shellharbour	80	-34.579558	150.862195			7035	6628	13663	1	4.01043E-08

Speed Environment 90-110km/h

	Street of Crash	Street Type	Town	LGA	Speed	Latitude	Longitude	Traffic count (E)	Traffic count (W)	Traffic count (N)	Traffic count (S)	Combined Traffic	No. crashes	Crash rate
0m	PACIFIC	Hwy	Tabbimoble	Richmond Valley	100	-29.220310	153.258099			3750	2530	6280	24	2.09406E-06
	NEW ENGLAND	Hwy	Saumarez Creek	Armidale Dumaresq	100	-30.555377	151.586221			3243	3231	6474	10	8.46378E-07
	PICTON	Rd	Wilton	Wollondilly	100	-34.259383	150.710096	8788	8601			17389	10	3.1511E-07
	STURT	Hwy	Borambola	Wagga Wagga	100	-35.176405	147.679119	1886	1823			3709	6	8.86404E-07
	OLYMPIC	Hwy	Culcairn	Greater Hume	100	-35.712186	147.028520			1522	1521	3043	12	2.16081E-06
	PACIFIC	Hwy	Nambucca Heads	Nambucca	100	-30.642450	152.983197			11342	11110	22452	13	3.17267E-07
	BANGALOW	Rd	Bexhill	Lismore	100	-28.750394	153.360818	4298	4178			8476	12	7.7576E-07
	PACIFIC	Hwy	Glenugie	Clarence Valley	100	-29.855852	153.051782			4401	4278	8679	18	1.13642E-06
	WATERFALL	Way	Fernmount	Bellingen	100	-30.467871	152.964754	3367	3403			6770	15	1.21406E-06
PRINCES	Hwy	Bega	Bega Valley	100	-36.651179	149.823687			2248	2321	4569	12	1.43912E-06	
0-1m	PACIFIC	Hwy	Catherine Hill	Lake Macquarie	90	-33.131137	151.626805			9478	9574	19052	1	2.87605E-08
1-2m	WESTERN	Exp	Prospect	Blacktown	100	-33.806331	150.925677	66202	65534			131736	2	8.31884E-09
	WESTERN	Exp	Merrylands	Holroyd	90	-33.820078	150.983253	8915	7976			16891	1	3.24401E-08
2-3m	PRINCES	Hwy	Yallah	Wollongong	100	-34.535882	150.785821			13117	26240	39357	3	4.17673E-08
	NEW ENGLAND	Hwy	Camberwell	Singleton	100	-32.478896	151.091478			6145	5970	12115	2	9.04573E-08
	PACIFIC	Hwy	Moonee	Wyong	90	-33.162161	151.612570			9478	9574	19052	2	5.7521E-08
3-4m	NEW ENGLAND	Hwy	Lower Belford	Singleton	100	-32.652255	151.265317	12015	12072			24087	3	6.82458E-08
	PACIFIC	Hwy	Dirty Creek	Coffs Harbour	100	-29.985351	153.153060			4401	4278	8679	2	1.26269E-07
4-5m	PACIFIC	Hwy	Moonee Beach	Coffs Harbour	100	-30.202447	153.149015			11130	11034	22164	2	4.94446E-08
3-5m	PACIFIC	Hwy	Sapphire Beach	Coffs Harbour	100	-30.218228	153.146171			11130	11034	22164	4	9.88892E-08
	GREAT WESTERN	Hwy	Glanmire	Bathurst Regional	100	-33.432178	149.739466	4776	4585			9361	2	1.1707E-07
	NEW ENGLAND	Hwy	Lower Belford	Singleton	100	-32.652255	151.265317	11890	11931			23821	3	6.90078E-08
5-6m	PRINCES	Hwy	Kiama	Kiama	100	-34.678254	150.843656			16798	17372	34170	1	1.60359E-08
	PRINCES	Hwy	Fairy Meadow	Wollongong	90	-34.398051	150.894681			20315	12174	32489	1	1.68656E-08
	JOHN RENSHAW	Dr	Black Hill	Cessnock	100	-32.821095	151.606438	5690	5747			11437	1	4.79099E-08
	WEST CHARLESTON	Bypa	Hillsborough	Lake Macquarie	90	-32.971604	151.676693			12607	12789	25396	1	2.1576E-08
	PACIFIC	Hwy	Nabiac	Greater Taree	100	-32.132357	152.351090			7654	7055	14709	1	3.72524E-08

