

# Monthly Crime Trends

The graphs in this section provide monthly data for selected offence categories from July, 1996 (96/97 financial year) to June, 2006 (05/06 financial year), expressed as a rate, thereby factoring in the size of the Queensland population for each year. All crime statistics appearing in these graphs are comparable over the ten year period except where indicated with a break in continuity.

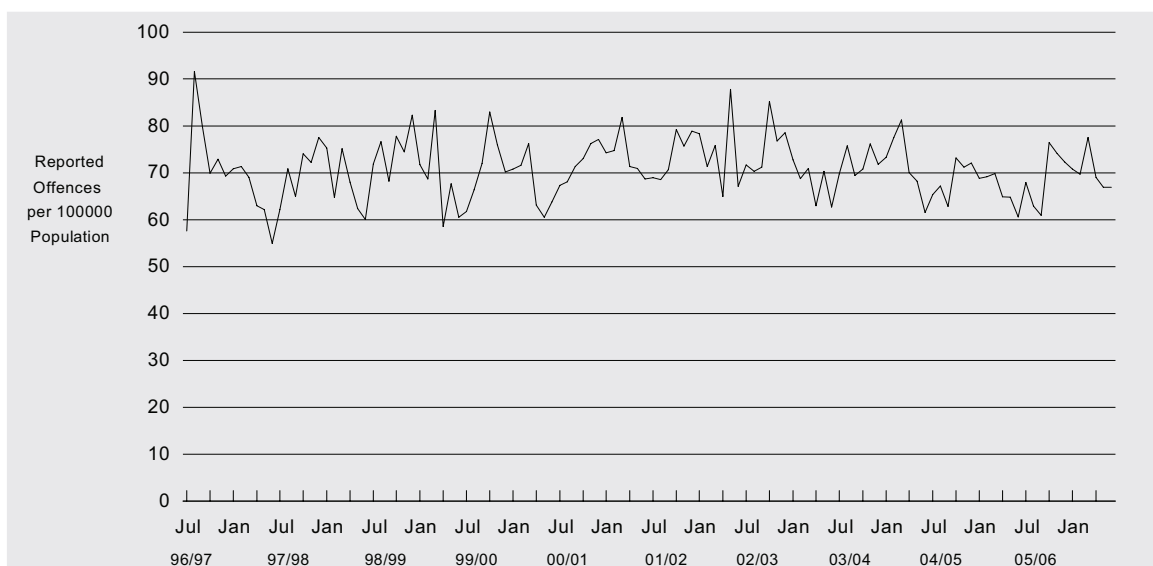
Quarterly Estimated Residential Population (ERP) statistics for Queensland provided by the Australian Bureau of Statistics (Catalogue 1301.0) were used to calculate the rates up to June, 2006.

To test for a statistically significant trend in the following graphs, Kendall's rank order correlation test (Conover, W.J. 1971 *Practical Non-Parametric*

*Statistics*, 2nd edition, John Wiley and Sons, pp 256-260) was used. Although the 5% level of significance was used, most results were significant at the 1% level. Details are footnoted where appropriate in the text under each graph. This test is a two-tailed test which determines whether there is an increasing or decreasing trend in the recorded number of offences over the one hundred and twenty month period covered in the report.

Some month to month variations in the numbers of recorded offences suggested seasonal factors may be operating. The test for trend is not sensitive to seasonal variations; it is sensitive only to a generally increasing or decreasing trend over the time period examined.

## *Offences Against the Person*

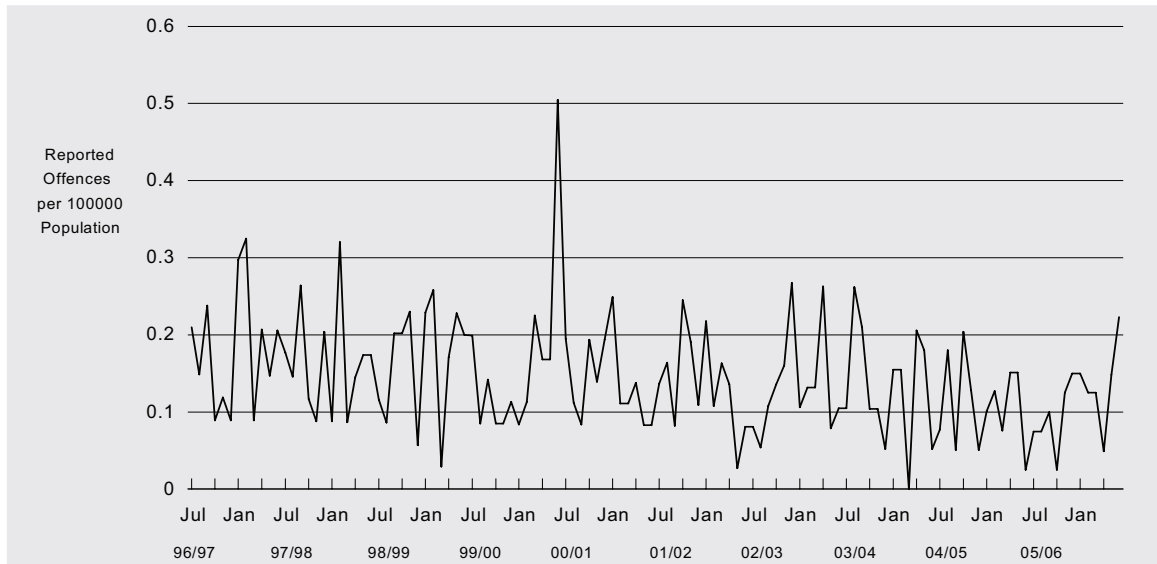


Total Offences Against the Person has no significant increasing or decreasing trend over the ten year period. This broad offence division tends to be dominated by Assaults as is evidenced by the strong seasonal

influence exhibited by the time series. The peaks in September 1996, May 2002 and October 2002 are the result of a large number of Sexual Offences involving a small number of offenders reported at these times.

# Monthly Crime Trends

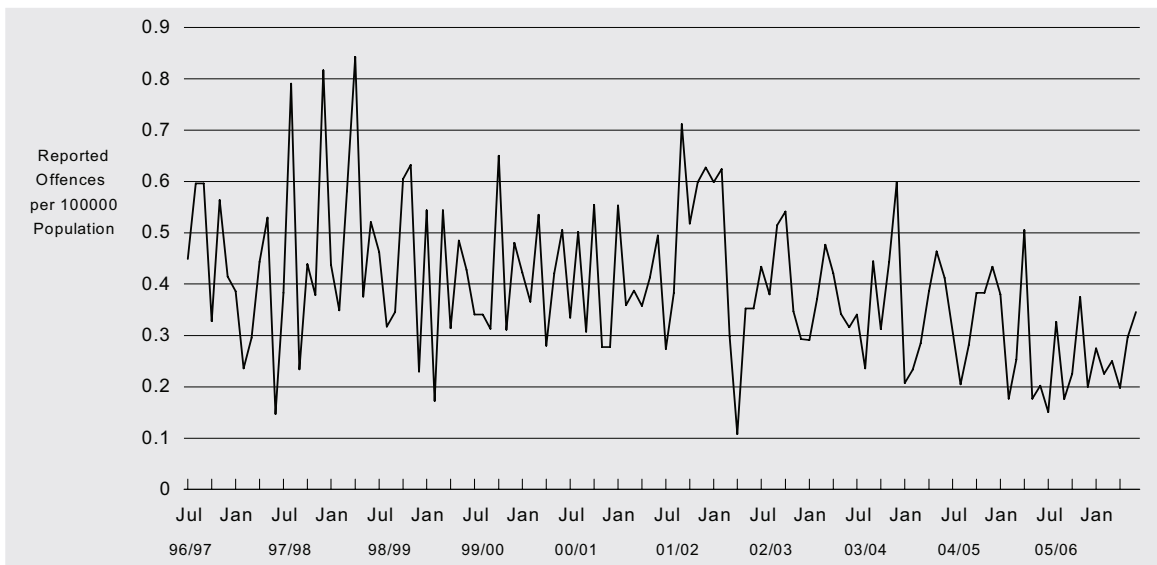
## *Homicide (Murder)*



Over the ten year period there is a significantly decreasing trend\* in the Homicide (Murder) time series. This small-volume offence is subject to marked fluctuations from one month to the next. The spike in

the time series occurred in June 2000 and was the result of the Childers Backpacker fire in which there were fifteen victims.

## *Other Homicide*



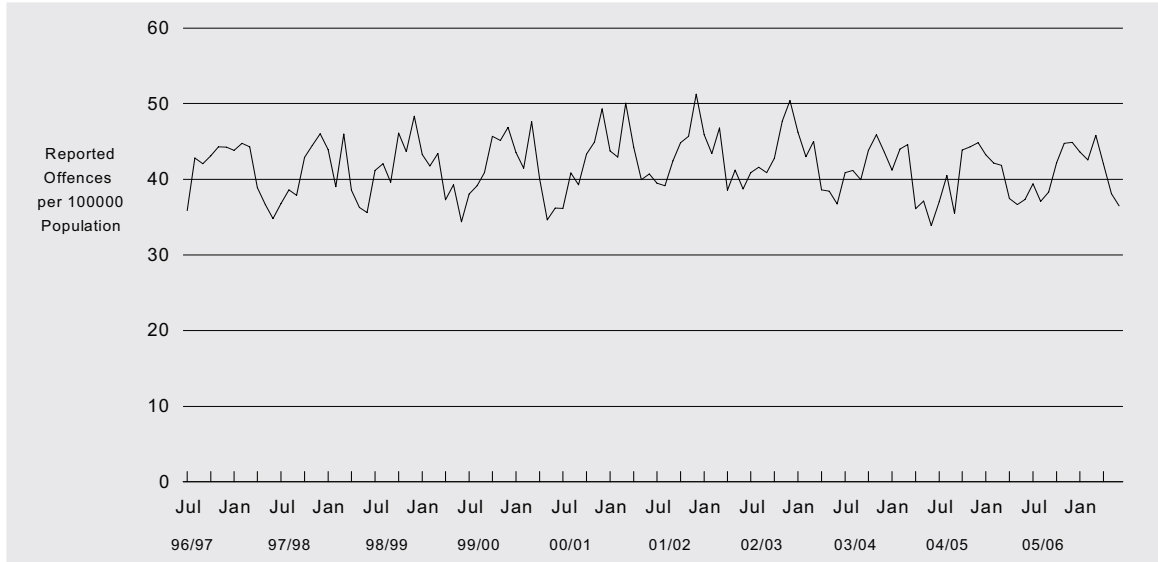
As with Homicide (Murder), Other Homicide is a low volume offence category and, as such, is subject to random fluctuations from month to month. Over the

ten year period, there is a significantly decreasing trend\* for the Other Homicide time series.

\* The result is significant at the 1% level of confidence, using Kendall's rank order correlation test. See page 17 for further information.

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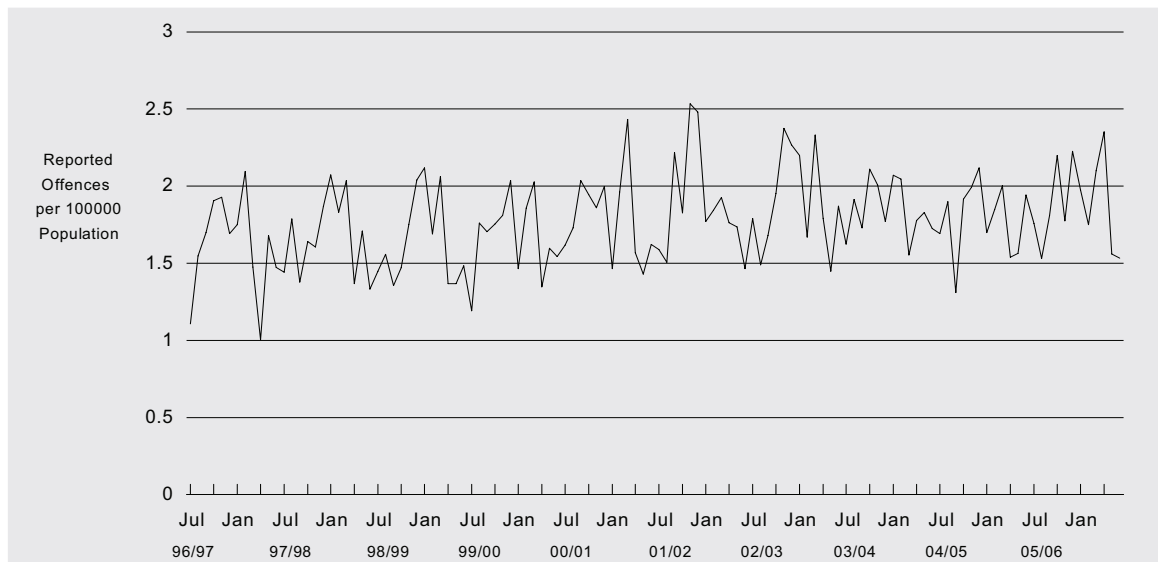
## *Assault*



Assault is the largest in volume of the person offence sub-categories and, as such, tends to dominate. There was no significantly increasing or decreasing trend detected. Assault offences are subject to strong

seasonal influences, which are evident in the time series, with a higher rate of offences occurring over the summer months and a lower number of offences occurring in the winter months.

## *Grievous Assault*



Grievous Assault is a small volume offence and, as such, will be subject to marked fluctuations over time. Overall, the rate of Grievous Assaults has increased\*

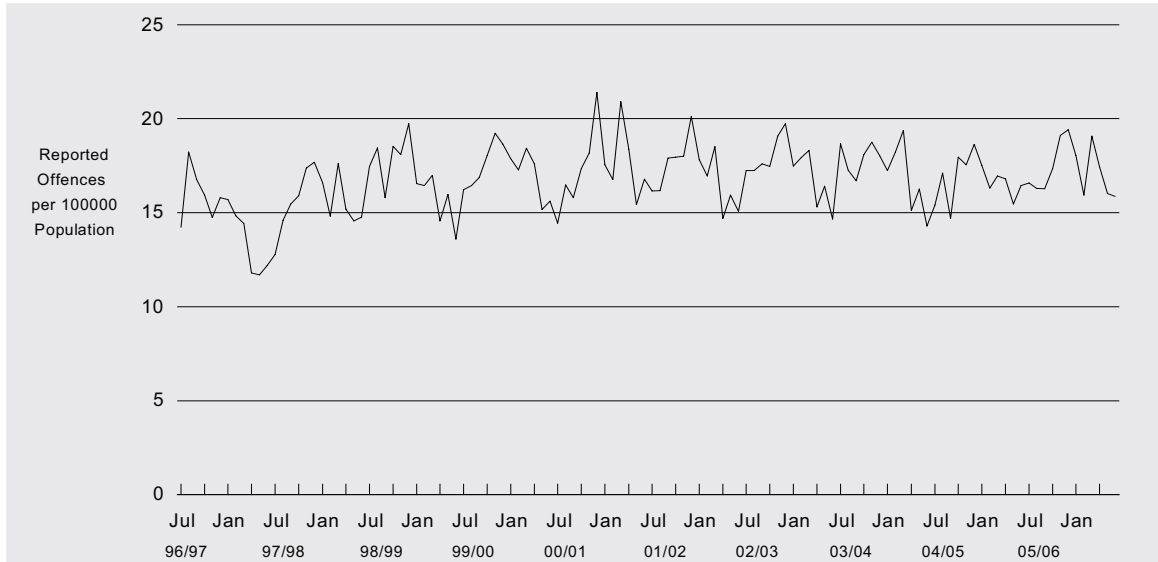
slightly. The seasonal influence is obvious in the time series with the peaks occurring in the summer months.

\* The result is significant at the 1% level of confidence, using Kendall's rank order correlation test. See page 17 for further information.



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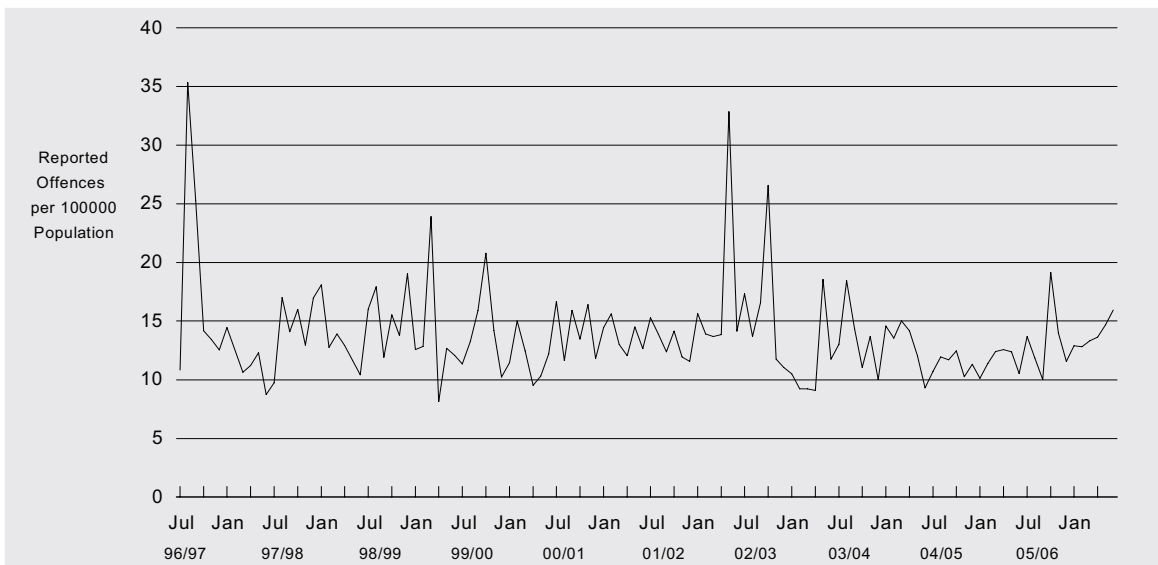
## Common Assault



Despite the apparent stability over the past ten years, the overall trend is significantly increasing\*. As with all

sub-categories of Assault, the seasonal influence is apparent in the graph above.

## Sexual Offences



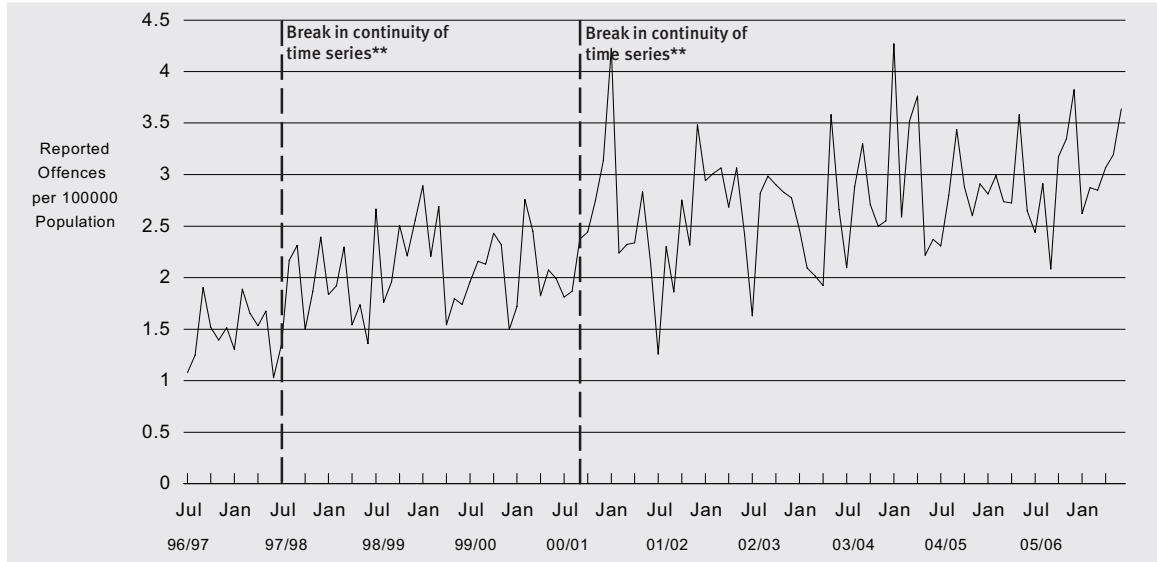
The spikes in the Sexual Offences time series are the result of large numbers of offences being reported to police in September 1996, March 1999, May 2002, October 2002 and August 2003. All are due to single

offenders who were charged with multiple offences for incidents occurring over a number of years. Overall, this time series exhibits no significant trend\*.

\* The result is significant at the 1% level of confidence, using Kendall's rank order correlation test. See page 17 for further information.

# Monthly Crime Trends

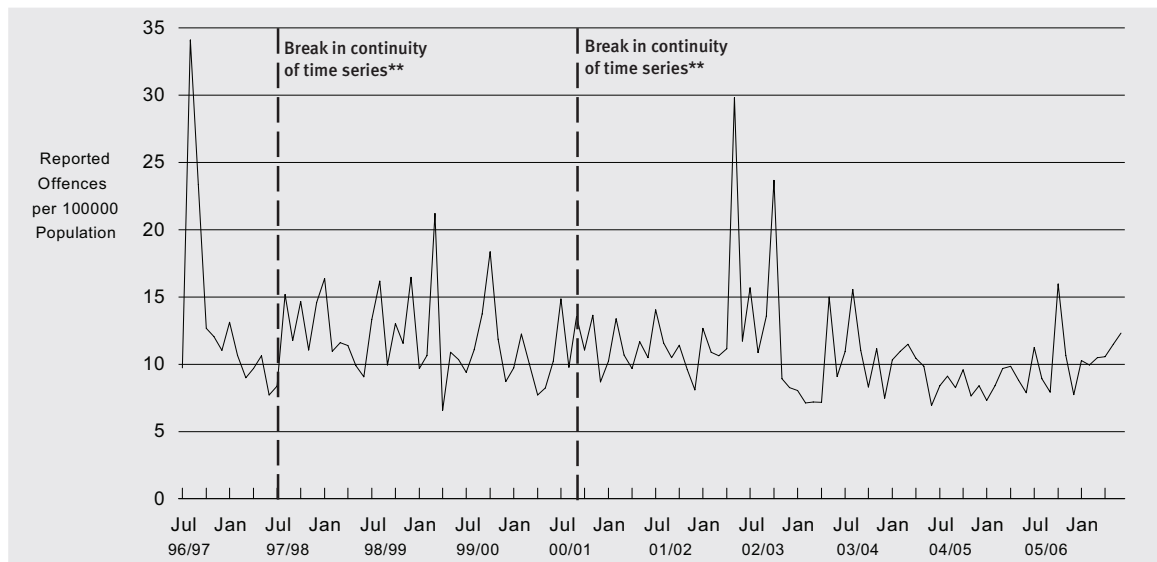
## *Rape and Attempted Rape*



The breaks in continuity of the Rape and Attempted Rape time series involved a broadening of the definition of rape (*Criminal Law Amendment Act, 1997*; changes to the Criminal Code, 2000)\*\*. As such, care should be exercised when comparing data prior to and following

these changes as is illustrated by the marked increase in offences following both breaks of continuity. These increases have resulted in a statistically significant upward trend\* detected overall.

## *Other Sexual Offences*



Single offenders were charged with in excess of 660, 400 and 224 offences for incidents which occurred over a long period of time. The charges were preferred in May, October 2002 and August 2003 respectively

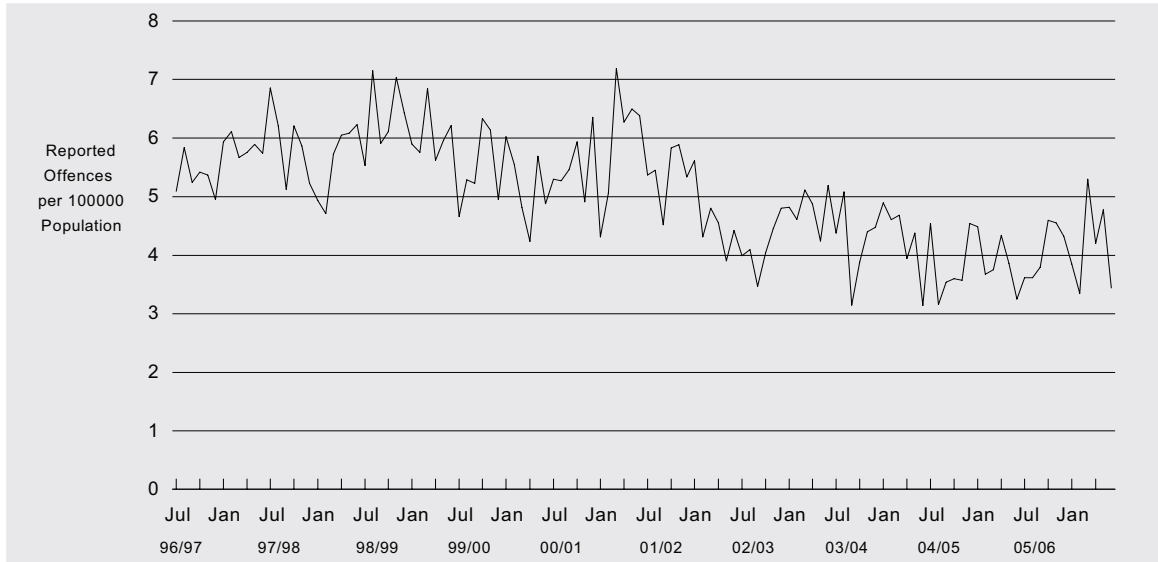
resulting in the second, third and fourth large spikes in the time series. Once again, care should be exercised when making comparisons of data before and after the breaks in continuity\*\*.

\* The result is significant at the 1% level of confidence, using Kendall's rank order correlation test. See page 17 for further information.

\*\* The introduction of the *Criminal Law Amendment Act, 1997* resulted in a broadening of the definition of Rape and Attempted Rape and a narrowing of Other Sexual Offences; further changes to the Criminal Code (October, 2000) resulted in an even broader definition of Rape and Attempted Rape and a subsequent narrowing of Other Sexual Offences.

# Monthly Crime Trends

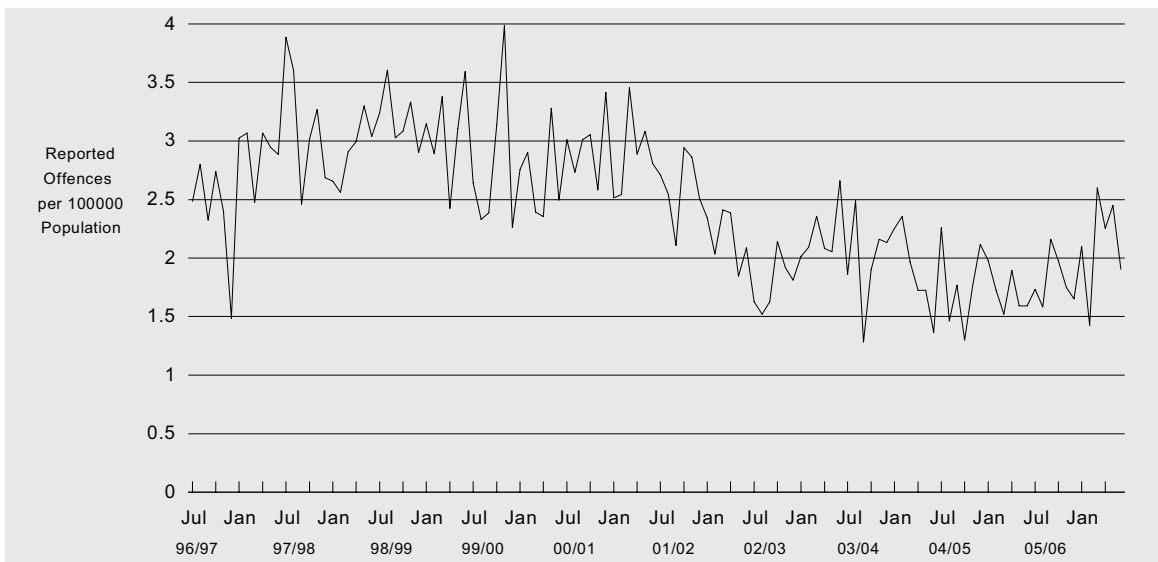
## Robbery



Rates of Robbery increased markedly from 1993/94 to 1998/99. Following this, rates decreased markedly to mid 2000 and then again from early 2001 to 2002. Since 2003, rates of Robbery offences have continued

to decrease. As a result of the recent decreases and across the time series, overall there was a significantly\* downward trend detected.

## Armed Robbery



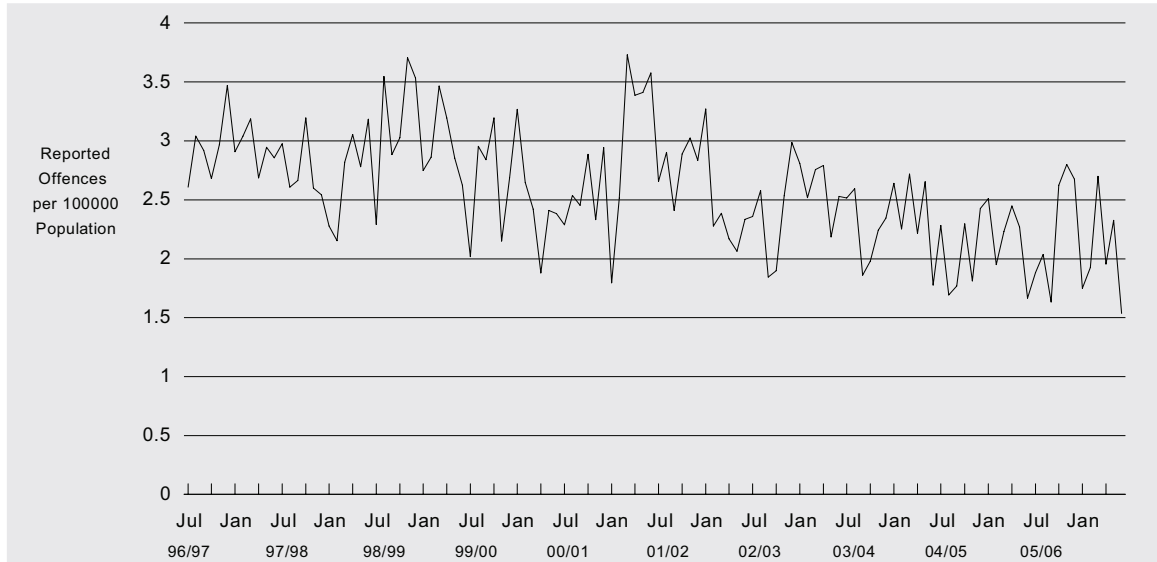
Again, the recent decreases in the rate of Armed Robbery over the past five years are apparent in the time series above. Overall, there was a statistically significant\* downward trend detected. The dip at the

end of the time series is the result of a 17% decrease reported in 2002/03, a 2% decrease in 2003/04 and a 10% decrease in 2004/05. The State has exhibited a 13% increase in Robbery offences in the current period.

\* The result is significant at the 1% level of confidence, using Kendall's rank order correlation test. See page 17 for further information.

# Monthly Crime Trends

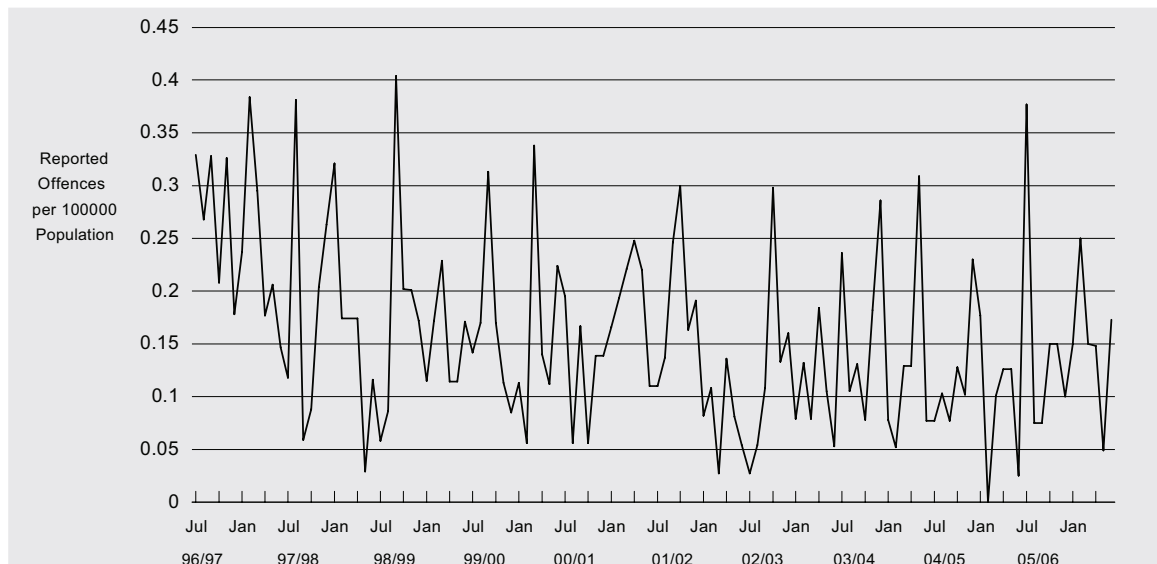
## *Unarmed Robbery*



Rates of Unarmed Robbery have experienced fluctuations over time. As with Armed Robbery, rates have recently decreased over the past five year period

which resulted in an overall downward trend\* being detected. The decreasing nature of Unarmed Robbery over the last three years is evident in the time series.

## *Extortion*



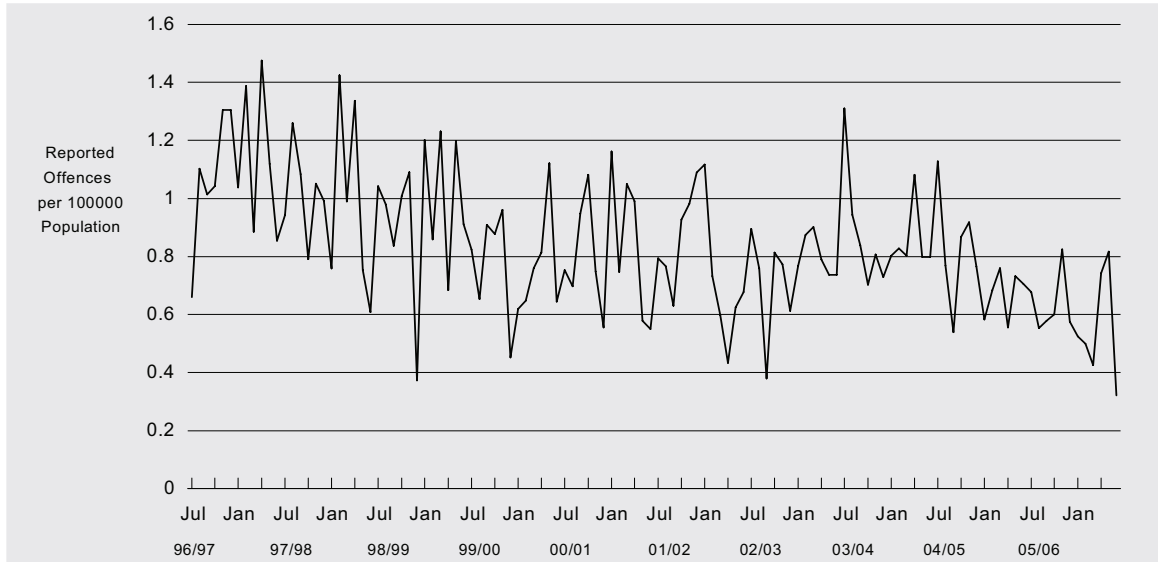
Extortion is the lowest in volume of the Offences Against the Person categories and, as such, is prone to random variations from month to month. Overall, a statistically

significant decreasing\* trend was detected over the ten year period.

\* The result is significant at the 1% level of confidence, using Kendall's rank order correlation test. See page 17 for further information.

# Monthly Crime Trends

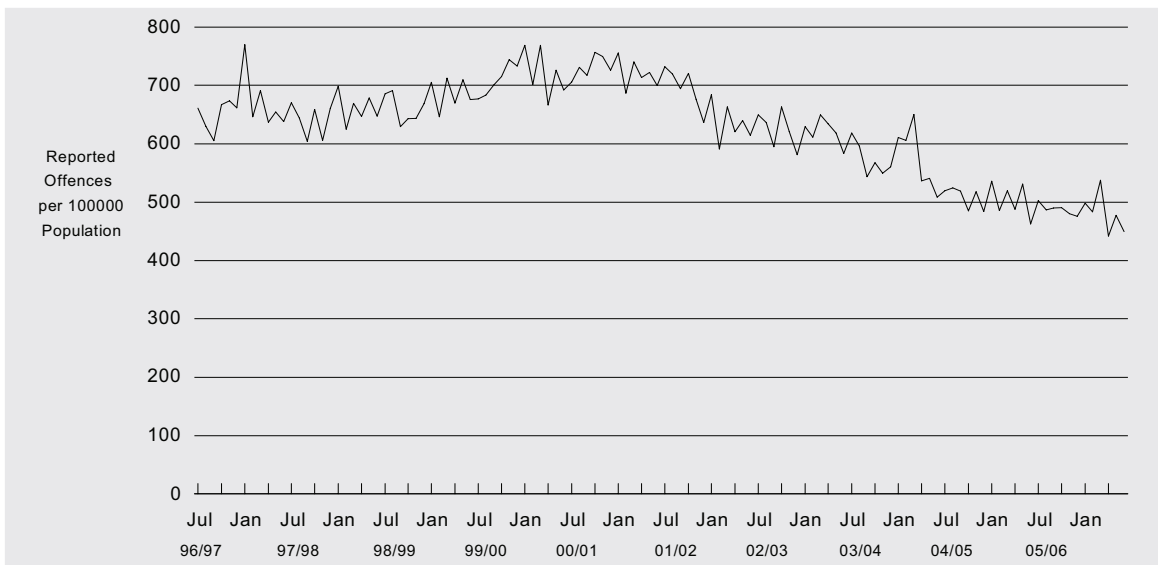
## *Kidnapping, Abduction, etc.*



The rate of Kidnapping and Abduction offences have been steadily decreasing over the ten year period of the time series and exhibit a statistically significant

decreasing trend\*. This time series is subject to the fluctuations that occur in small volume offence categories.

## *Offences Against Property*



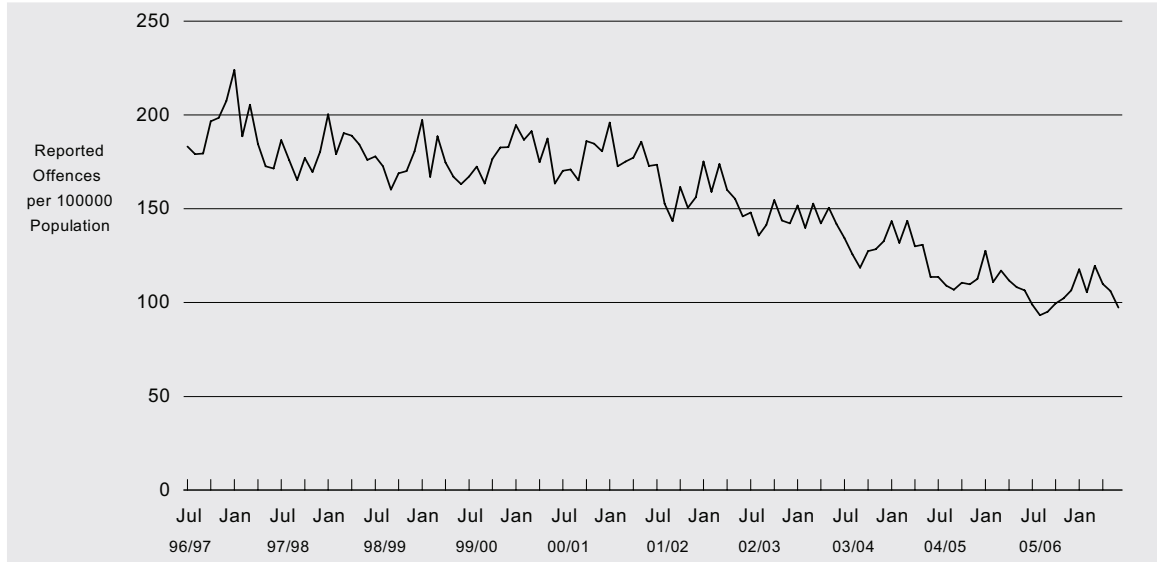
The Offences Against Property time series has historically been reasonably stable, though since January 2001, has a statistically significant downward trend\* being detected. This is a large volume offence category and, as such, increases or decreases are usually small

in the overall context. The rate of Property Offences has decreased over the last four years by 5% in 2002/03, 8% in 2003/04, 12% in 2004/05 and 4% in 2005/06; this is evident towards the end of the time series.

\* The result is significant at the 1% level of confidence, using Kendall's rank order correlation test. See page 17 for further information.

# Monthly Crime Trends

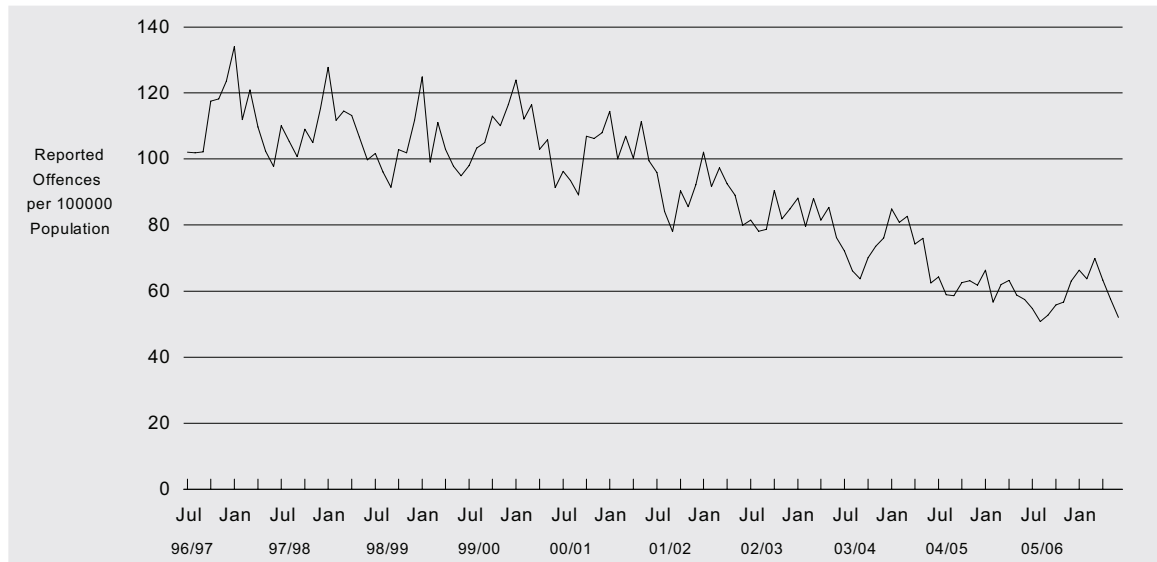
## *Unlawful Entry With Intent*



Overall, there was a statistically significant decreasing trend detected\* for Unlawful Entry With Intent. The significant decreases displayed in the rate of offences

over the last four financial years (9% in 2002/03, 10% in 2003/04, 14% in 2004/05 and 7% in 2005/06) are evident towards the end of the times series.

## *Unlawful Entry - Dwellings*



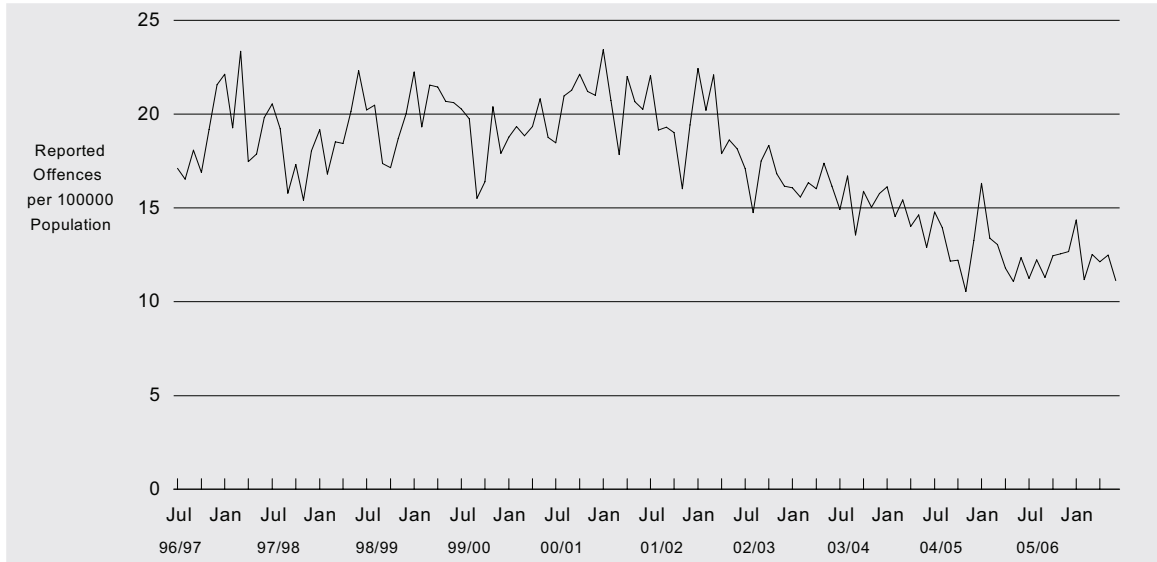
The rate of Unlawful Entry of Dwellings stabilised from 1996 to 2000. Since this time, the rate has been steadily decreasing to the extent that an overall statistically significant decreasing trend\* was detected.

In particular, the rate decreased by 8% in 2002/03, 11% in 2003/04, 17% in 2004/05 and 4% in 2005/06. The fact that this offence is subject to seasonal variation is evidenced in the graph above.

\* The result is significant at the 1% level of confidence, using Kendall's rank order correlation test. See page 17 for further information.

# Monthly Crime Trends

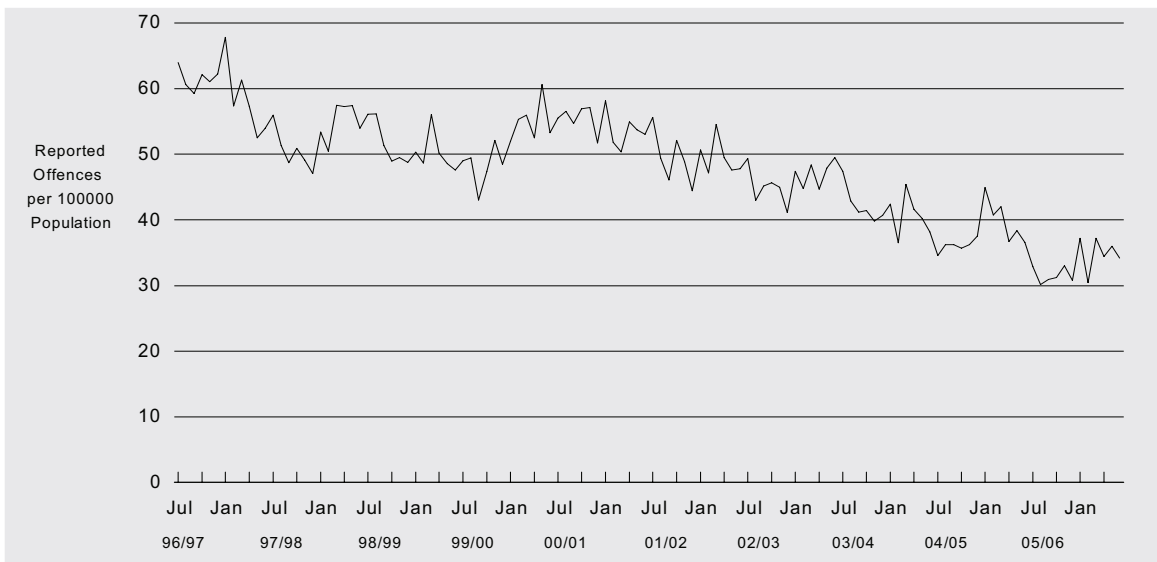
## *Unlawful Entry - Shops*



Over the ten years, the rate of offences has been significantly decreasing\*. Again, the dip towards the end of the time series is the result of the decreases seen over

the last four financial years (16% in 2002/03, 9% in 2003/04, 14% in 2004/05 and a further 6% in 2005/06).

## *Unlawful Entry - Other Premises*



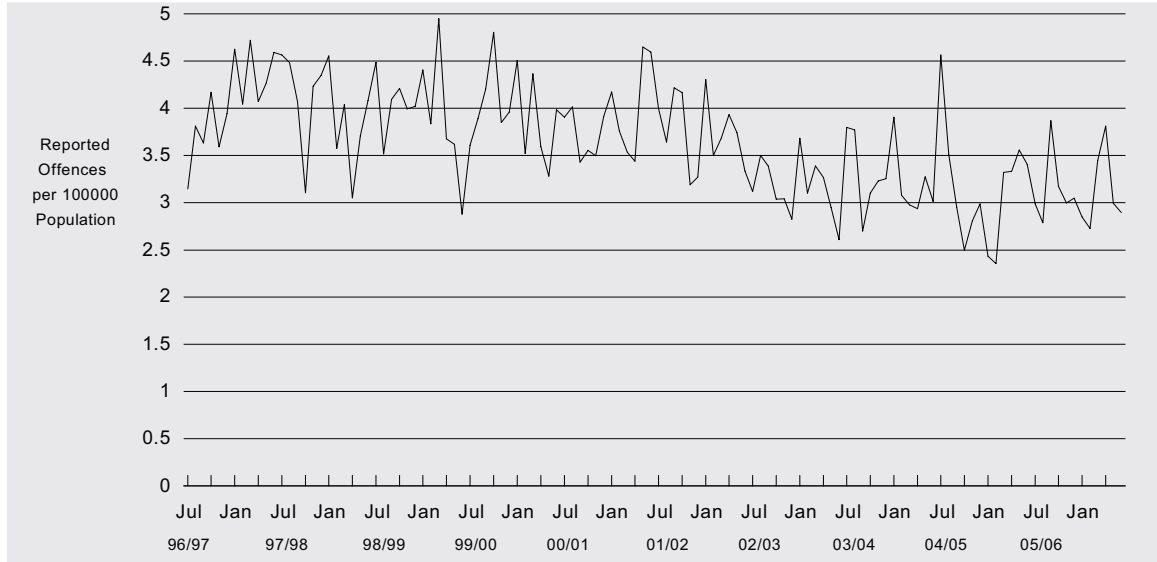
Overall, there was a significantly decreasing trend\* detected for Unlawful Entry - Other Premises. Following an upward shift over 1995/96, the time series is

decreasing. The reductions over the last five financial years are apparent at the end of the time series.

\* The result is significant at the 5% level of confidence, using Kendall's rank order correlation test. See page 17 for further information.

# Monthly Crime Trends

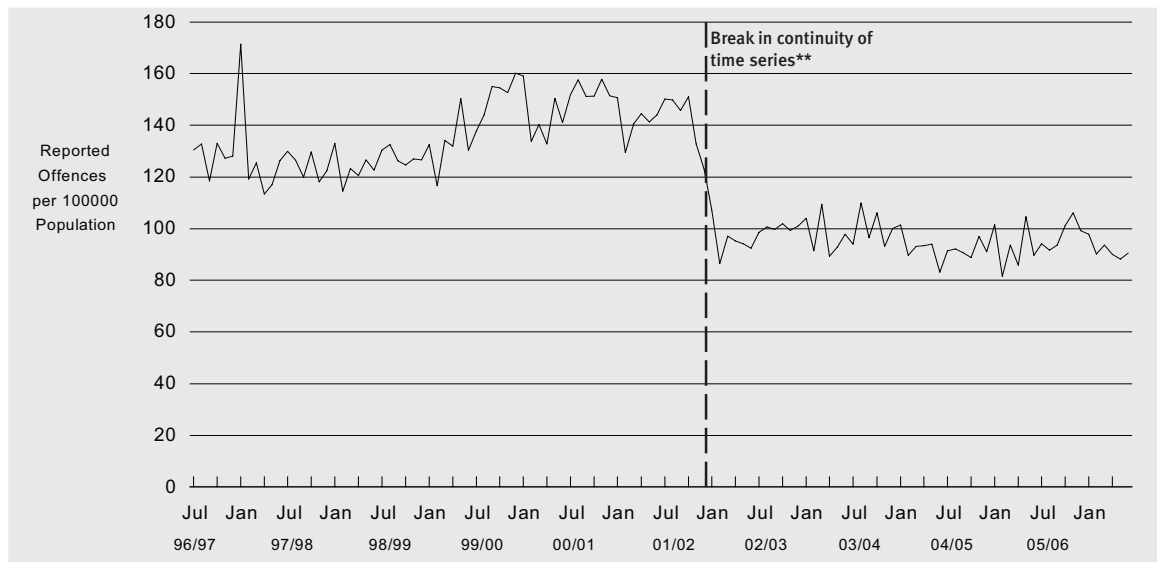
## Arson



The rate of Arson offences increased in the first half of the time series but has been decreasing since. Over the ten years of the time series, a statistically significant downward trend\* was detected. For the year under

review, the rate of Arson remained stable at 37 offences per 100,000 persons after exhibiting decreases for the past three years.

## Other Property Damage



The sharp decrease at the end of the time series is the result of a change in policy regarding the reporting of Other Property Damage offences. This break in continuity\*\* effectively renders a statistical test invalid.

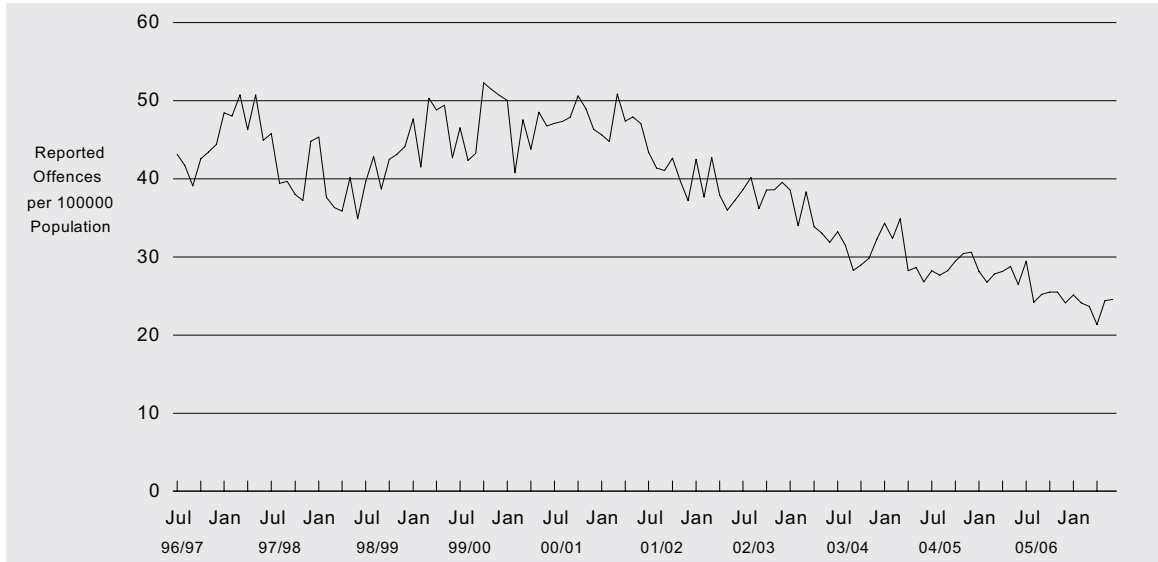
While the change in policy contributed to a 20% decrease in the rate of offences in 2001/02, this downward trend continued for the next four years.

\* The result is significant at the 1% level of confidence, using Kendall's rank order correlation test. See page 17 for further information.

\*\* Change in policy regarding the recording of Property Damage offences in conjunction with Unlawful Entry and Unlawful Use of Motor Vehicles has resulted in a break in continuity and, thus, caution should be exercised when looking at offences over time (See Explanatory Notes page 147 for further information).

# Monthly Crime Trends

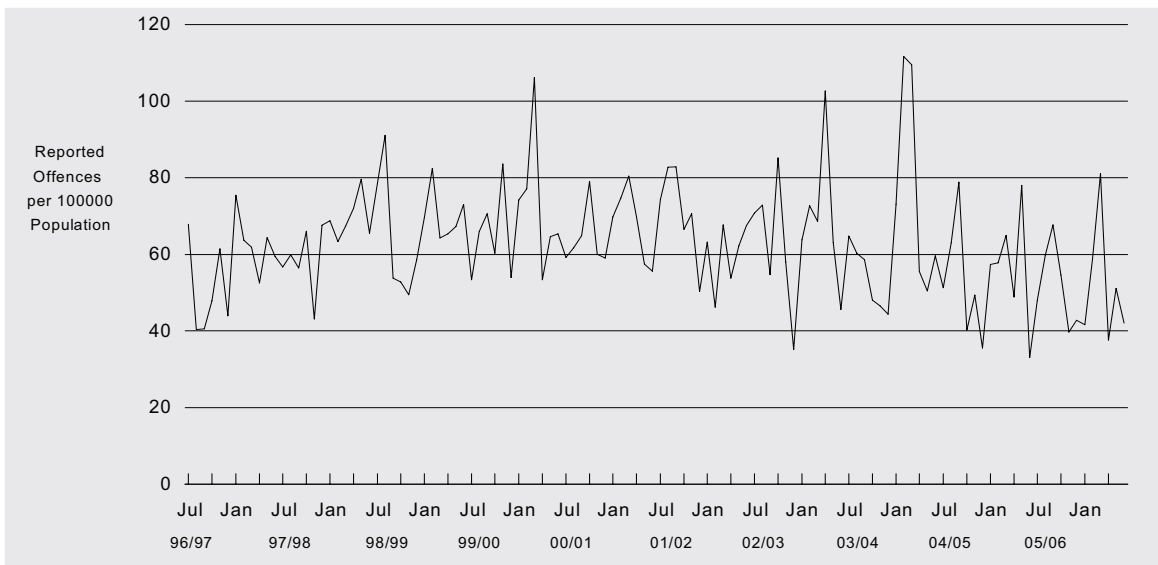
## *Unlawful Use of Motor Vehicle<sup>^</sup>*



Overall, a statistically significant decreasing trend\* was detected for the Unlawful Use of Motor Vehicle time series. As with other property offences, the substantive decreases experienced in the rate of offences over the last four

financial years is apparent at the end of the time series. Following a sizeable decrease in 2001/02, rates again decreased by 6% during 2002/03, 16% in 2003/04, 8% in 2004/05 and by a further 13% in 2005/06.

## *Other Theft (excluding Unlawful Entry)*



A statistically decreasing trend\* was detected for the Other Theft category. A decrease in offences can be seen since July 2003. The current period exhibited a 4%

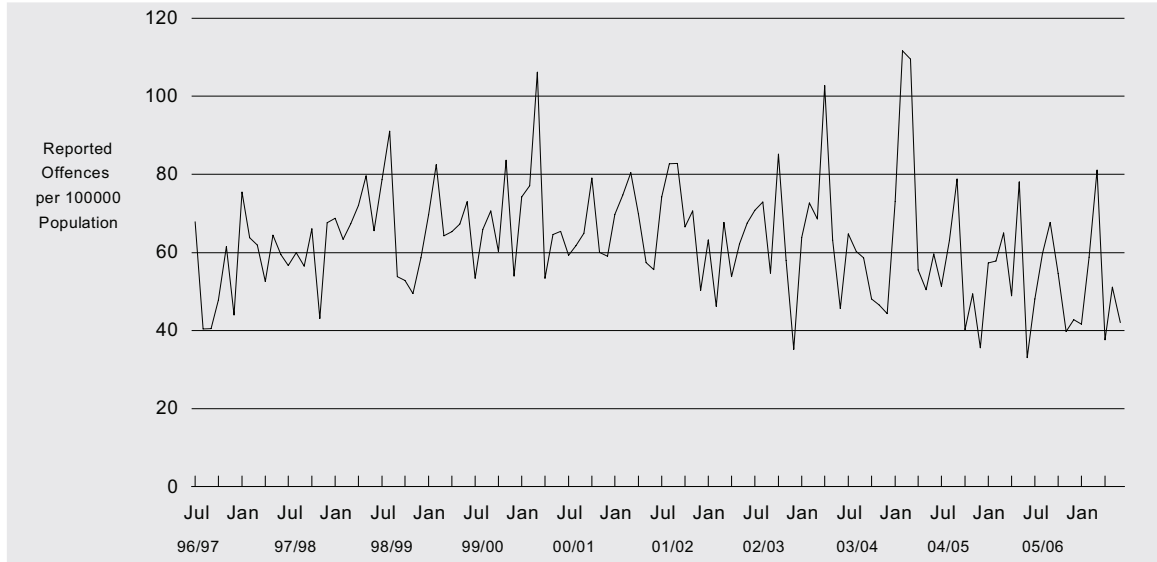
decrease following a 13% decrease recorded during the previous period.

<sup>^</sup> Includes attempted offences.

\* The result is significant at the 1% level of confidence, using Kendall's rank order correlation test. See page 17 for further information.

# Monthly Crime Trends

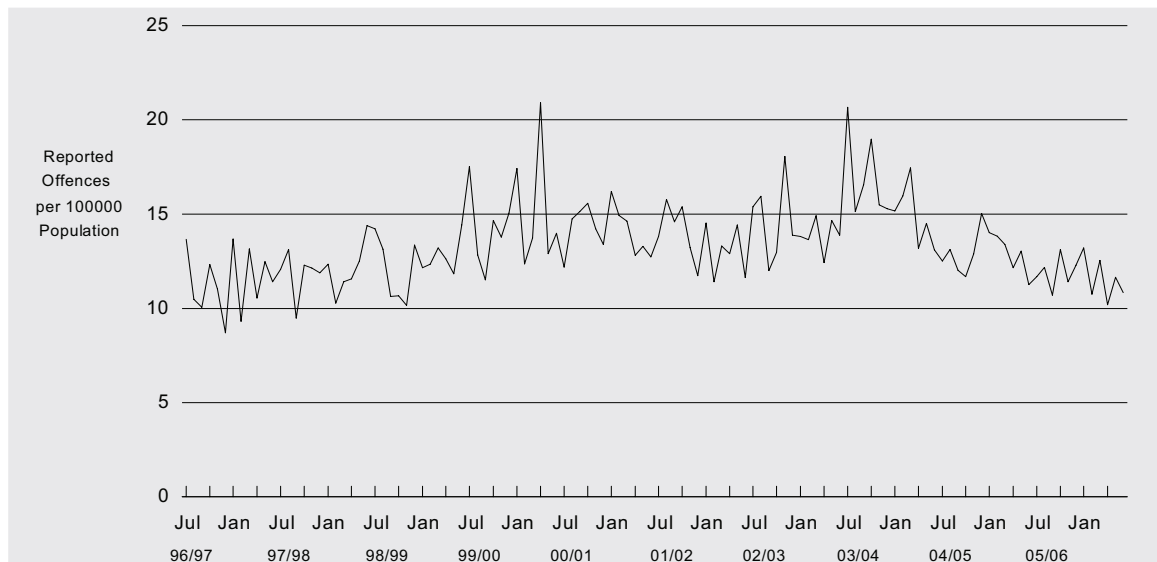
## *Fraud*



No statistically significant increasing or decreasing trend\* in Fraud offences is evident in the graph above. Even though there was a significant number of offences reported in February and March 2004, 2003/04 saw a

1% decrease in the overall rate of Fraud offences followed by a 17% decrease in 2004/05. The current period exhibited a 5% decrease in this type of offence.

## *Handling Stolen Goods*



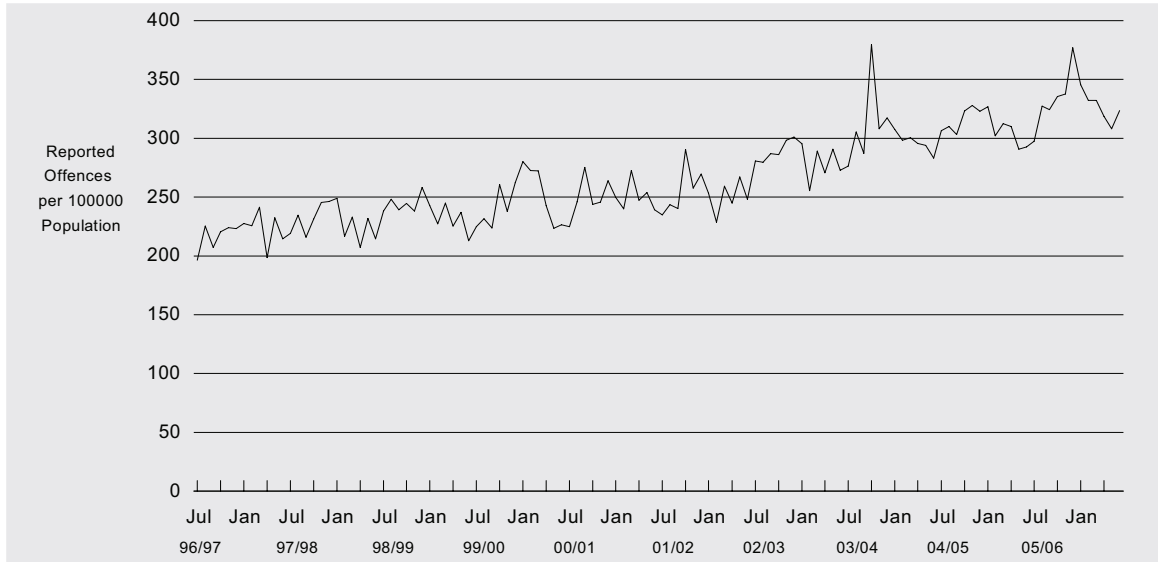
No significantly increasing or decreasing trend\* is evident in the Handling Stolen Goods time series. The rate of offences decreased by a further 9% in 2005/06, after having decreased 19% during 2004/05. The large

spike in the middle of the time series is the result of approximately 270 offences laid against two offenders in April, 2000. One offender was responsible for the spike in July 2003 being charged with 171 offences.

\* The result is significant at the 1% level of confidence, using Kendall's rank order correlation test. See page 17 for further information.

# Monthly Crime Trends

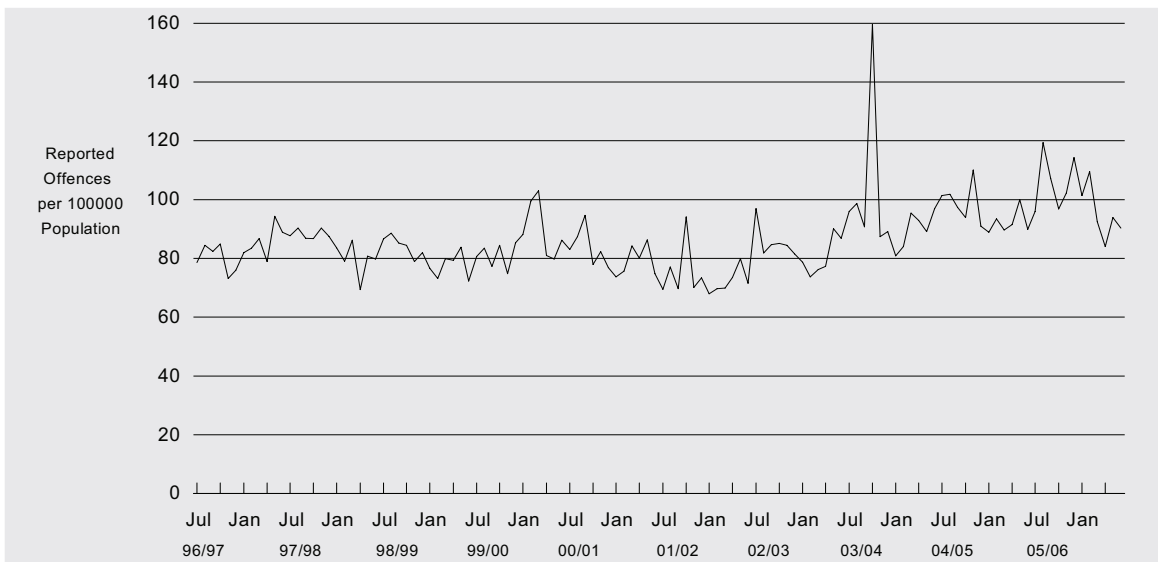
## Other Offences



Other Offences are generally detected by police rather than reported to police. As such, any rise in Other Offences is usually regarded as a positive result. As is

evidenced in the graph above, a statistically significant upward trend\* was detected with rates for 2005/06 continuing this trend.

## Drug Offences



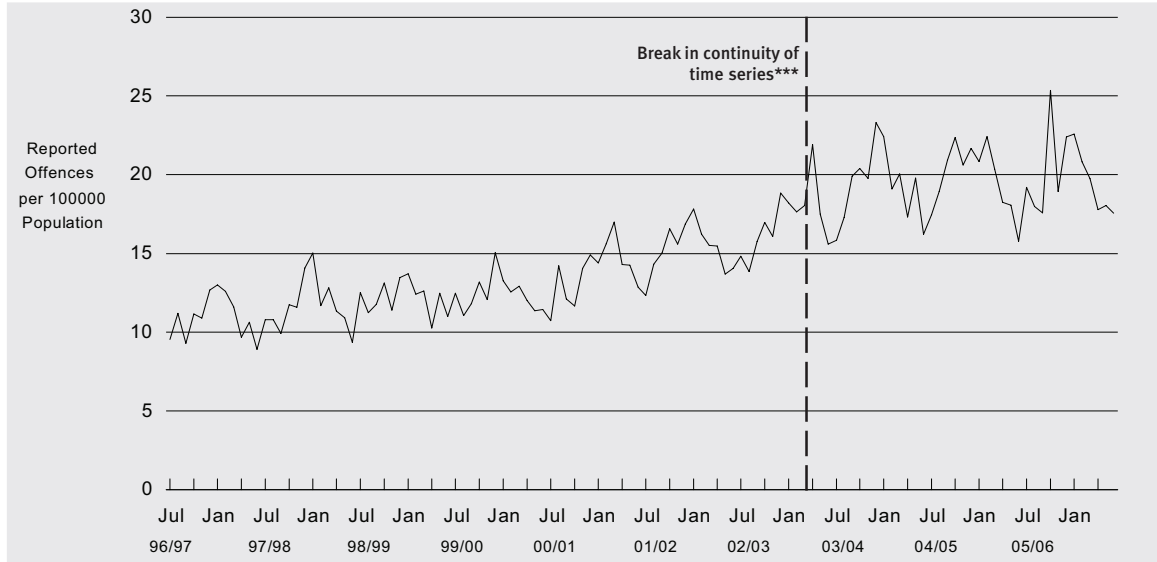
A statistically significant increasing trend\* was detected for this time series over the ten year period. Following a slight decrease in the rate of Drug Offences from early 2000 to end 2001, rates again increased in 2003/04.

The spike in the latter part of the time series was the result of over 2100 offences laid against a single offender in October 2003. The State recorded an increase of 5% in the current period.

\* The result is significant at the 1% level of confidence, using Kendall's rank order correlation test. See page 17 for further information.

# Monthly Crime Trends

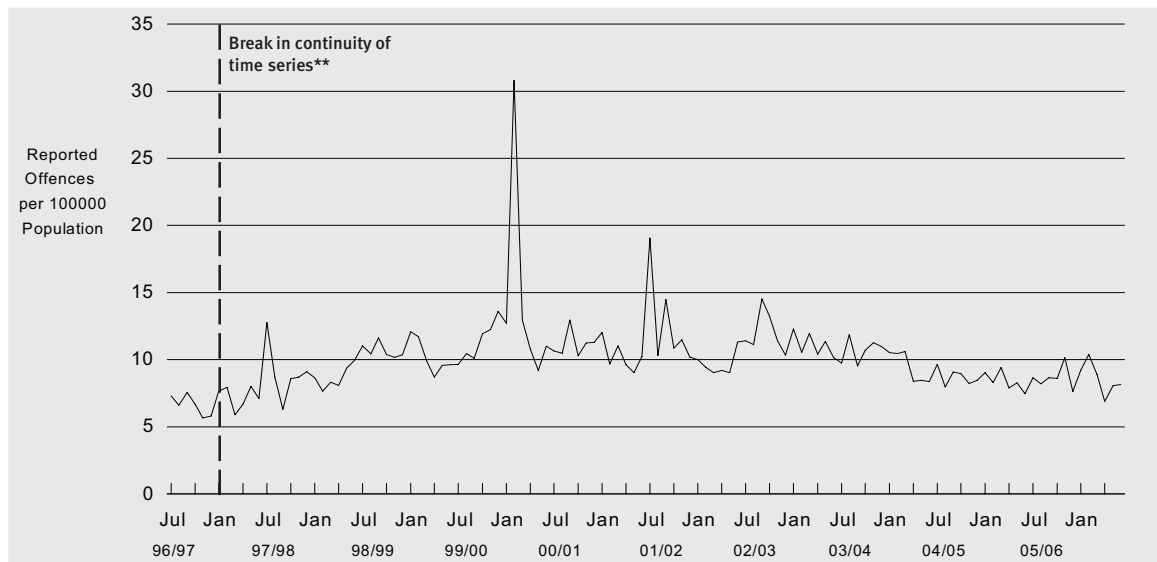
## *Breach of Domestic Violence Protection Orders*



Breach of Domestic Violence Protection Orders have increased sharply\* over the ten year period. The legislative change in March 2003\*\*\* caused a break in the continuity of this time series. The spike at the end

of the time series is the result of nearly 226 offences committed by one offender and reported to police in October 2005. The increase in the rate of offences from 2003/04 to 2005/06 is evident.

## *Weapons Act Offences*



One offender was charged with 650 offences in February, 2000 resulting in a significant spike in the time series. Despite this spike, the time series exhibits no significantly increasing or decreasing trend\*.

Following the cessation of the Buy Back campaign (September 1997), the rates in the time series increased markedly. The rate of offences increased by 1% in the current period.

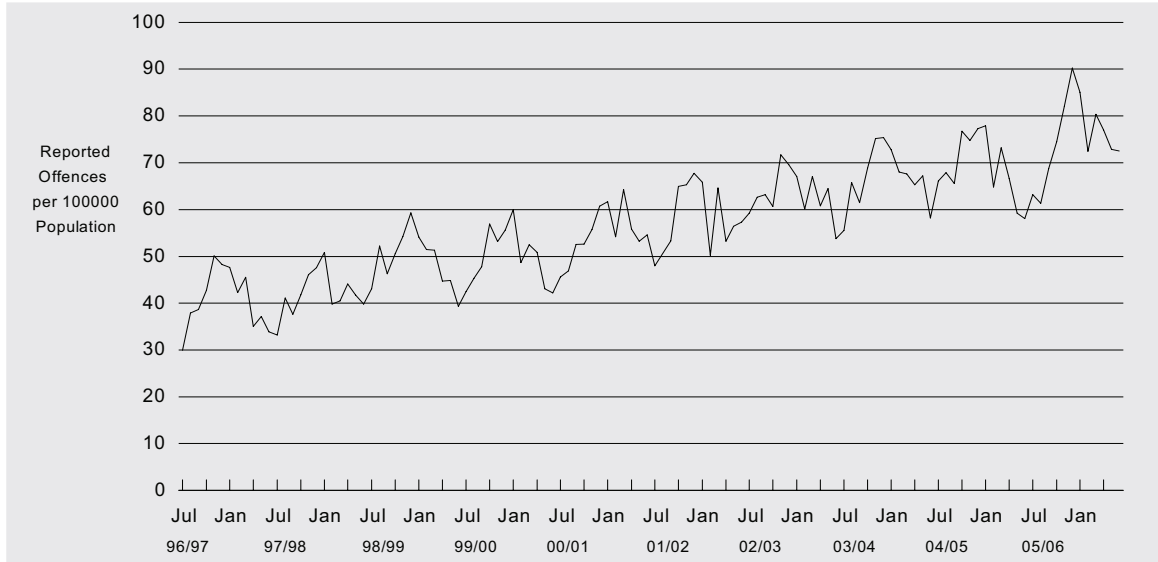
\* The result is significant at the 1% level of confidence, using Kendall's rank order correlation test. See page 17 for further information.

\*\* The Weapons Amendment Act 1996 was implemented in November 1996 and resulted in a break in continuity for the Weapons Act time series.

\*\*\* The Domestic and Family Violence Protection Act 1989 was expanded in March 2003 to include intimate personal, familial and informal care relationships.

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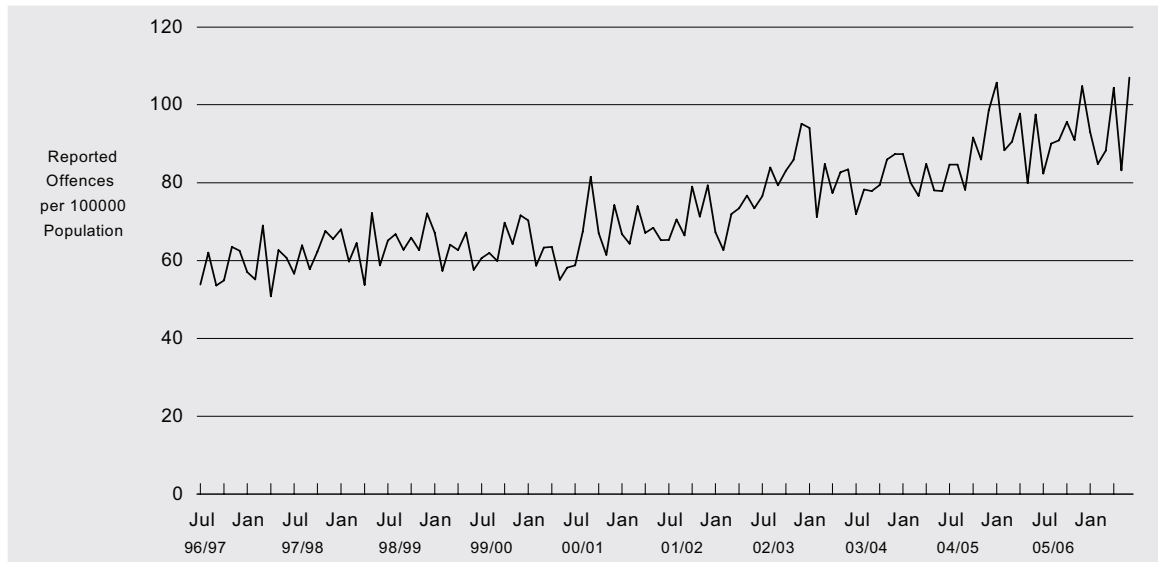
## Good Order Offences



While the time series for Good Order Offences exhibits a statistically significant upward trend\*, a strong seasonal influence can also be seen. Offences tend to peak in the summer months and fall to a low during the

winter months of each year. Following an increase of 9% during 2002/03, 8% in 2003/04, and 3% in 2004/05, Good Order offences again increased by 9% in the current period.

## Traffic and Related Offences



Overall, a statistically significant increasing trend\* was detected in the time series. While 2003/04 financial year experienced an overall decrease of 1%, 2004/05

recorded a 12% increase. Another increase (3%) was again detected for the current period.

\* The result is significant at the 1% level of confidence, using Kendall's rank order correlation test. See page 17 for further information.

