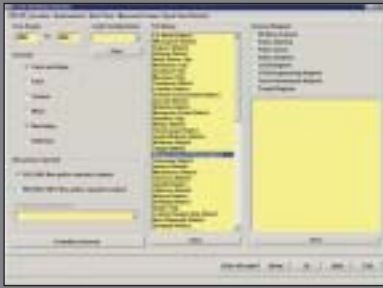


Using CAS – an example



1 This is the main crash query screen. There are screens for crash location, environment, data and time, movement, contributing factors, vehicles and road users. This query is for all crashes in the Western Bay of Plenty/Tauranga area from 2000 to 2004.



2 CAS performs the query, producing either a report or, as in this example, a map of the requested crashes.



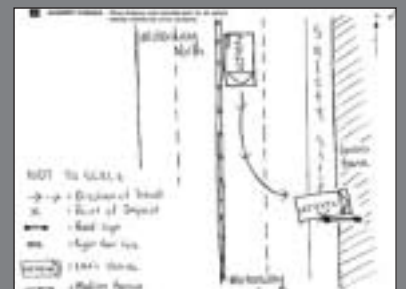
3 The map is zoomed into Tauranga's built-up area. The crashes at a particular intersection can be selected and examined in detail.



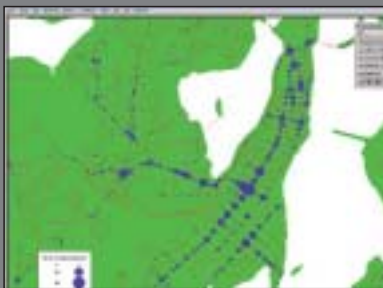
4 After selecting a crash from the list its details can then be read on different screens. This is a crash environment screen. There are other screens for the crash location, and the vehicles and people other than drivers involved in the crash.



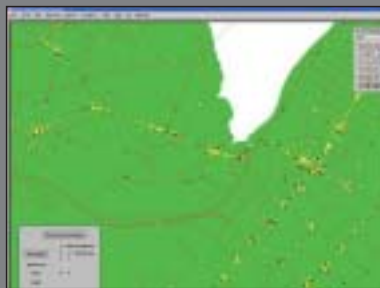
5 This is a crash location screen.



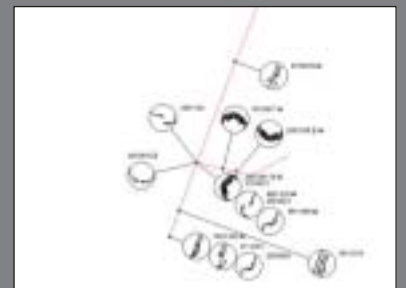
6 Crash diagrams may be accessed from the crash information screens.



7 Crashes can be clustered to identify the 'black spots' with multiple crashes.



8 Using a thematic template, individual crashes at a particular location can be spread out and identified with different symbols to make them more visible. Each crash symbol can be coloured and/or shaped to show its characteristics. A spiral connects each crash back to its location. This map shows whether or not the crash occurred at night and whether it was at the weekend.



9 There are several tools for analysing crash clusters. One tool is the collision diagram which shows the movement type for each crash aligned with the roads. Other tools include factor grids, an alarm report of sites with significantly increased crashes, a summary report showing crash totals by year at each cluster and a detail report (one page per site).



10 CAS includes a comprehensive cross-tabulation tool. This can provide counts of data at several levels: crashes, vehicles, people, and the various mixtures of crashes, vehicles and people. The report can be in a variety of forms: list, table or a file for importing into a spreadsheet.



11 This cross-tabulation breaks down the information provided about people injured, into types of road user.



12 CAS includes tools for reporting crashes and crash clusters. This is part of a plain English crash report on one crash cluster.