



Peter Neyroud

Science and Policing



So all life is a great chain, the nature of which is known whenever we are shown a single link of it. Like all other arts, the Science of Deduction and Analysis is one which can only be acquired by long and patient study, nor is life long enough to allow any mortal to attain the highest possible perfection in it. Before turning to those moral and mental aspects of the matter which present the greatest difficulties, let the inquirer begin by mastering more elementary problems....

Context



- The methodology and theory of investigative techniques owes much to scientific principles;
 - Evidence
 - Impartiality
 - Observation
 - Logic

New Technologies = Higher Demands on Police



- Mobile Phones
 - Volume of calls
- The Internet
 - Offences against children
 - Hacking
 - Fraud
 - Dissemination of Viruses

Police Use Science to Combat Science

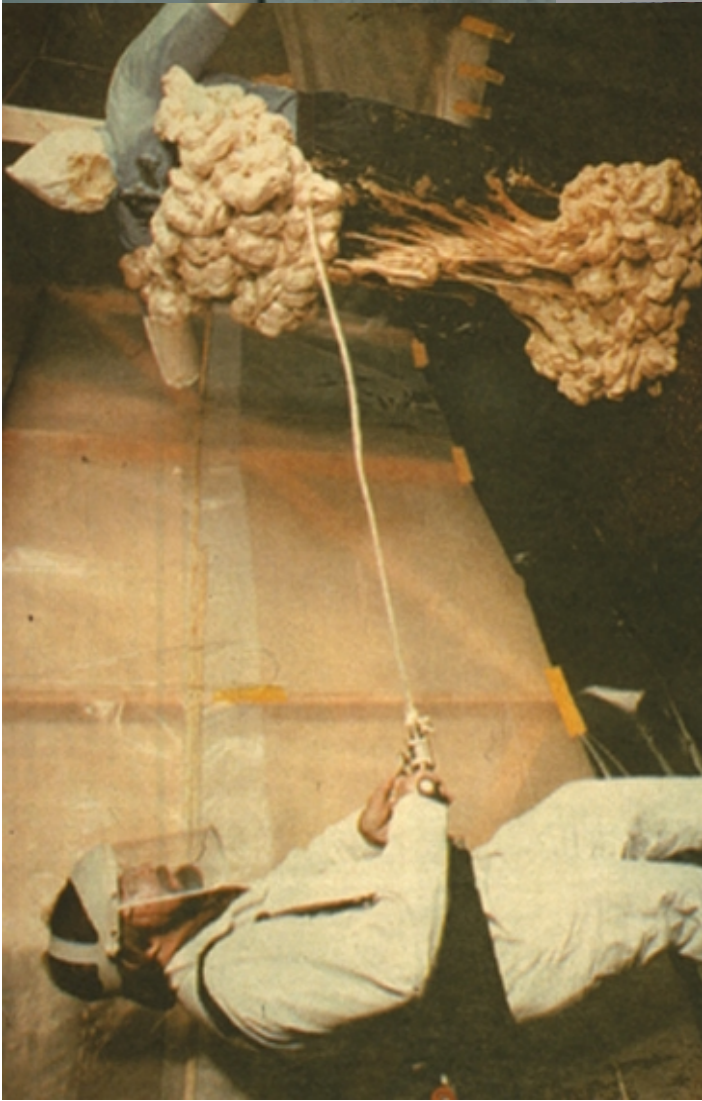
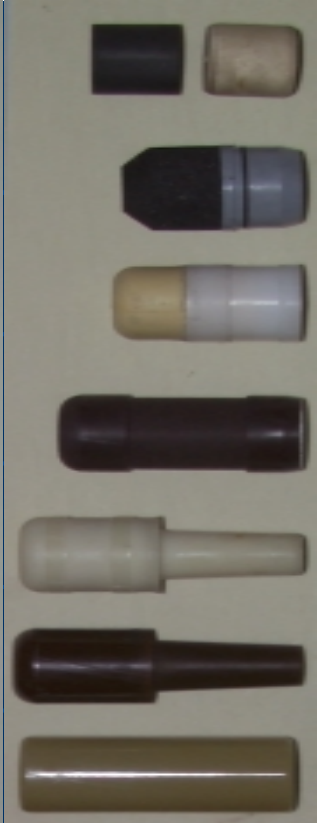


- From a labour to capital intensive occupation
- Surveillance techniques
- Identification technologies
- Intervention technologies
- Communication technologies
- Organisational and administrative IT

Less Lethal Options



- Pepper / CS Spray
- Baton Rounds
- Water Cannon
- Taser
- Maloderants
- Acoustic Devices
- Nets, Glue, Foam and Grease



National Intelligence Model



“...we have invested much in developing new intelligence practises and skills in analysis. Intelligence usually means making inferences from large amounts of data. This process is only possible if we can mix and match information across the board. To this end it is essential that common standards and discipline attach to the process”

David Phillips on implementation of NIM

9 Analytical Techniques



- Crime Analysis
- Network Analysis
- Operational Intelligence Analysis
- Target Profile Analysis
- Market Profile Analysis
- Demographic Analysis
- Results Analysis
- Crime Business Analysis
- Risk Analysis

There are FOUR Key Intelligence Products

- **Strategic Assessment**
- **Tactical Assessment**
- **Target Profile**
- **Problem Profile**

How the Intelligence Products interrelate

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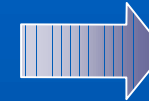
Strategic
Assessment



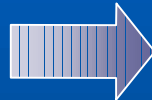
Strategic T&CG



Sets the Control Strategy



Tactical
Assessment

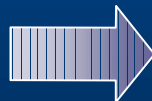


Tactical T&CG



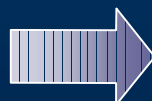
Aligns tactical activity to control strategy

Problem
profile



**Identifies the scale of the problem,
potential suspects and recommends
tactical options for Intelligence,
Prevention & Enforcement**

Target
profile



**Profiles Suspects, identifies weaknesses
& recommends tactical options**

Considers all
crime,
incidents &
disorder

Burglary set
as priority
Problem
Profile
commissioned

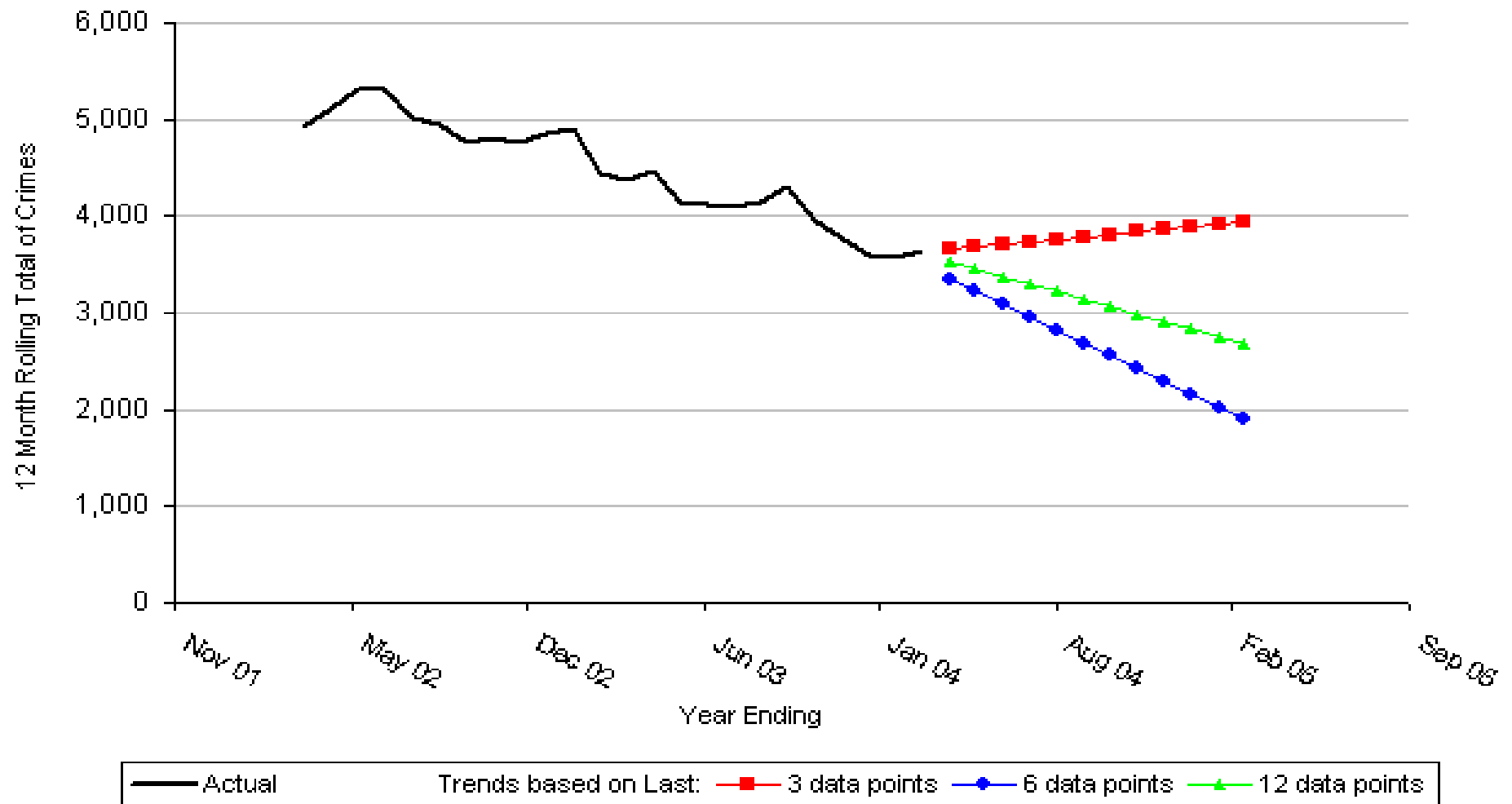
Burglars &
Prevention
Tactics
identified

Plan Owner
allocated

Resources
allocated

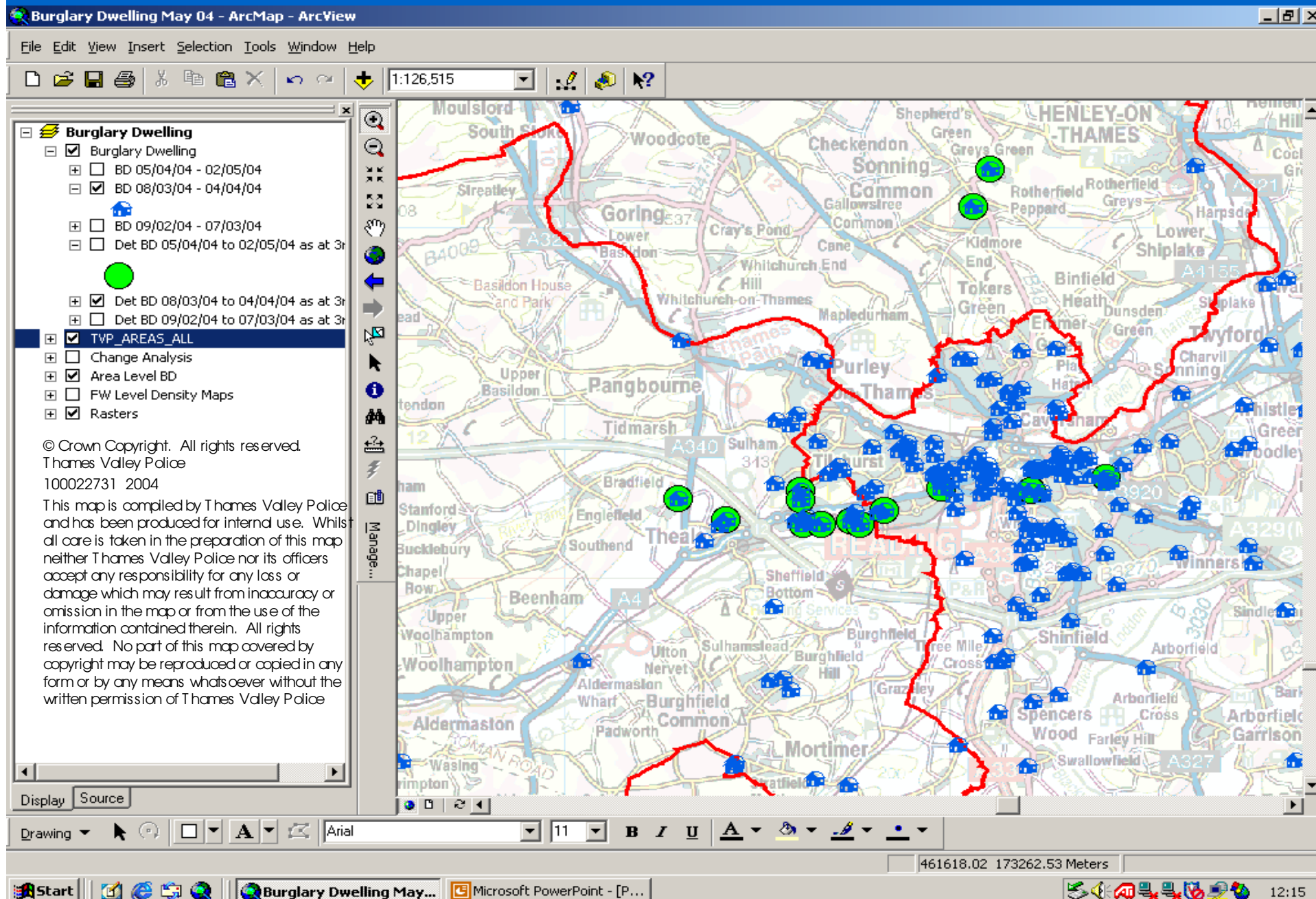
Burglars
Targeted
Burglaries
Prevented

Quanta Chart - Detections

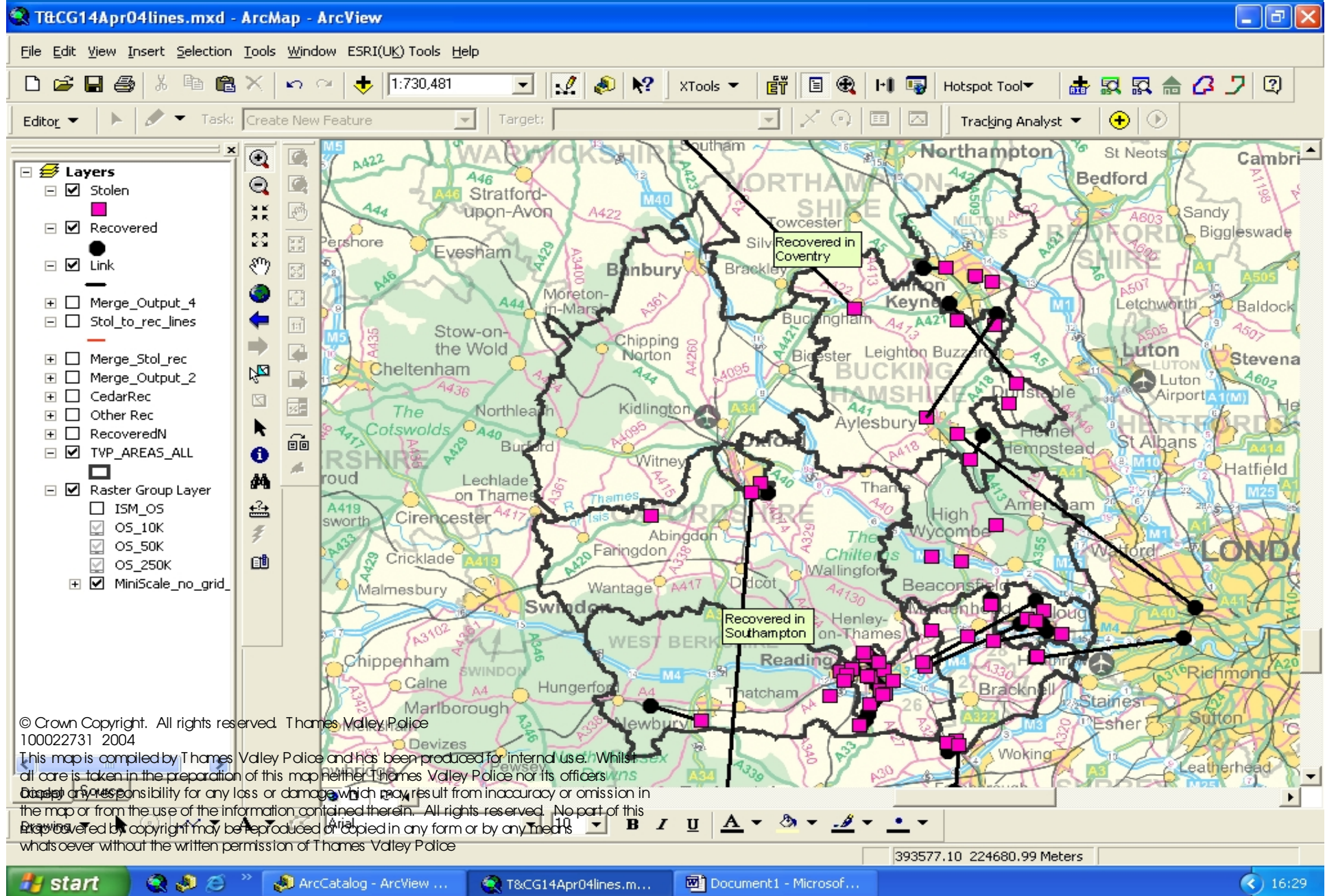


Projection - Number of Detections-Thames Valley-Vehicle Crime (excluding Vehicle Interference)-01 Apr 02 - 31 Mar 04

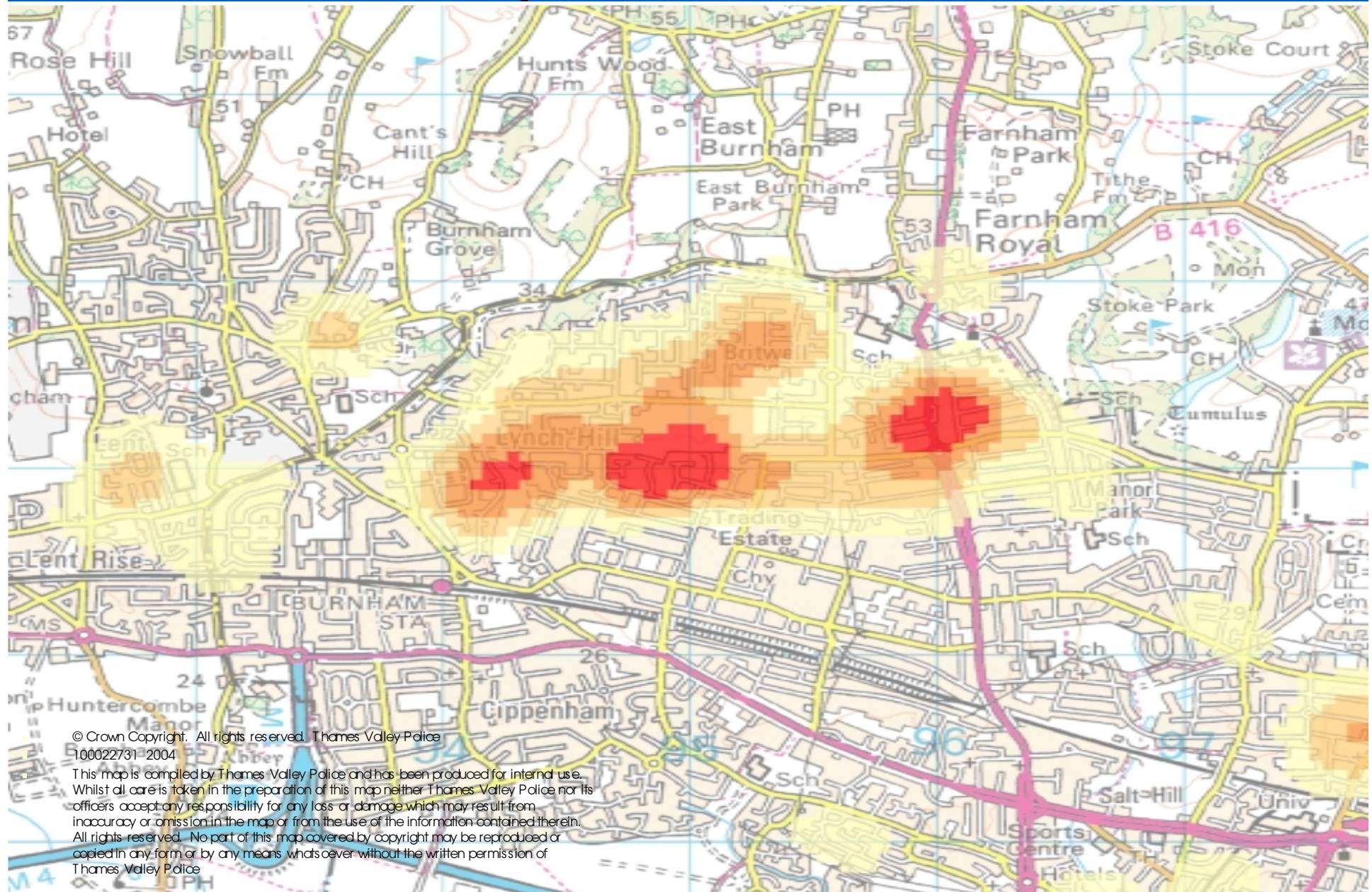
Cross Border Issues



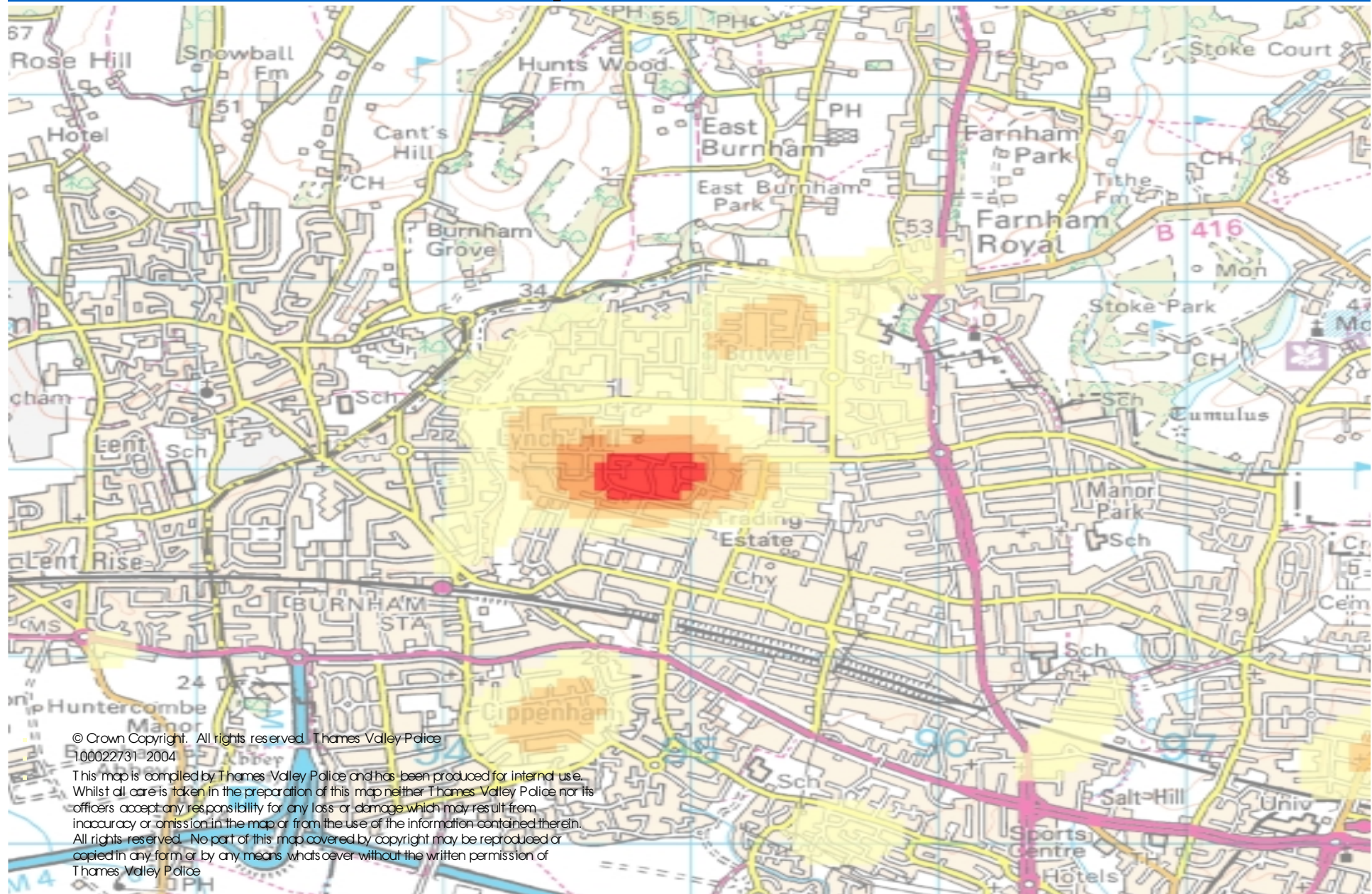
Stolen and Recovered Vehicles



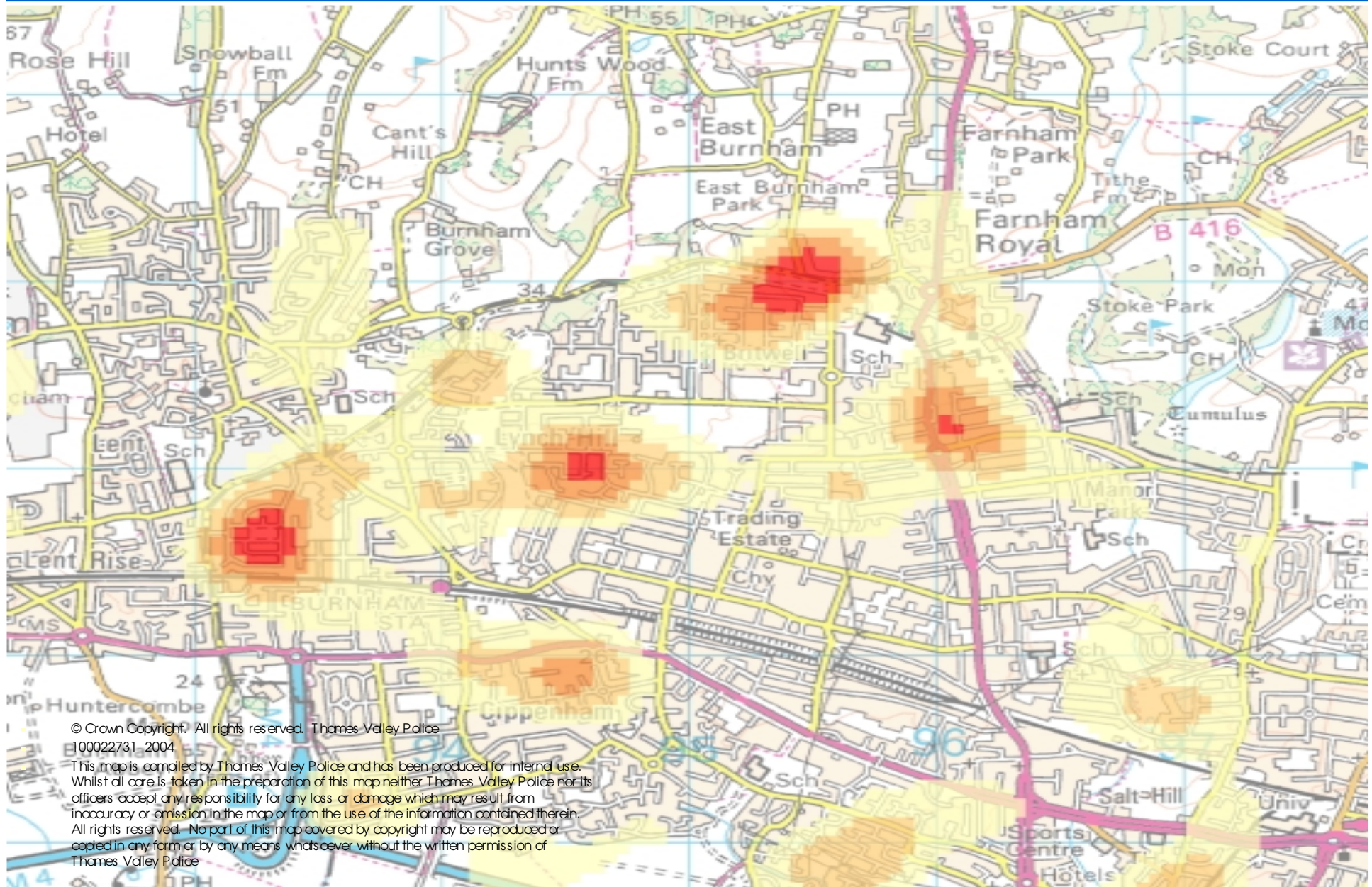
Burglary Dwelling Density Hotspot Map for the time period 09/02/04 to 07/03/04



Burglary Dwelling Density Hotspot Map for the time period 08/03/04 to 04/04/04



Burglary Dwelling Density Hotspot Map for the time period 05/04/04 to 02/05/04





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