

# Suppression of colonies of *Reticulitermes* spp. using the Sentricon® termite colony elimination system: A case study in Chatsworth, CA



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- Residential condominiums
  - Incorporated Feb 1969
- Ten Construction phases
  - 1969-1979
- 90 acre property
- 140 structures
  - 132 residential
  - 739 units
  - over 2600 people
- 1.5 million sq. ft. under roof
- 11.3 miles of perimeter linear feet

- **Commercial installation**
- **Sentricon™ in-ground (few above ground)**
- **Installation October-December 2001**
  - 134 structures
  - 7327 initially installed stations
- **Prolinx™ database maintained**
  - Dolphin scanner
- **Switch to ESP™ in September 2002**

# Data Collection and Management

- One technician responsible for site inspections
- Stations baited with active ingredient once termites observed
- Monthly service tickets and Prolinx™ summaries
- Manage data as GIS project

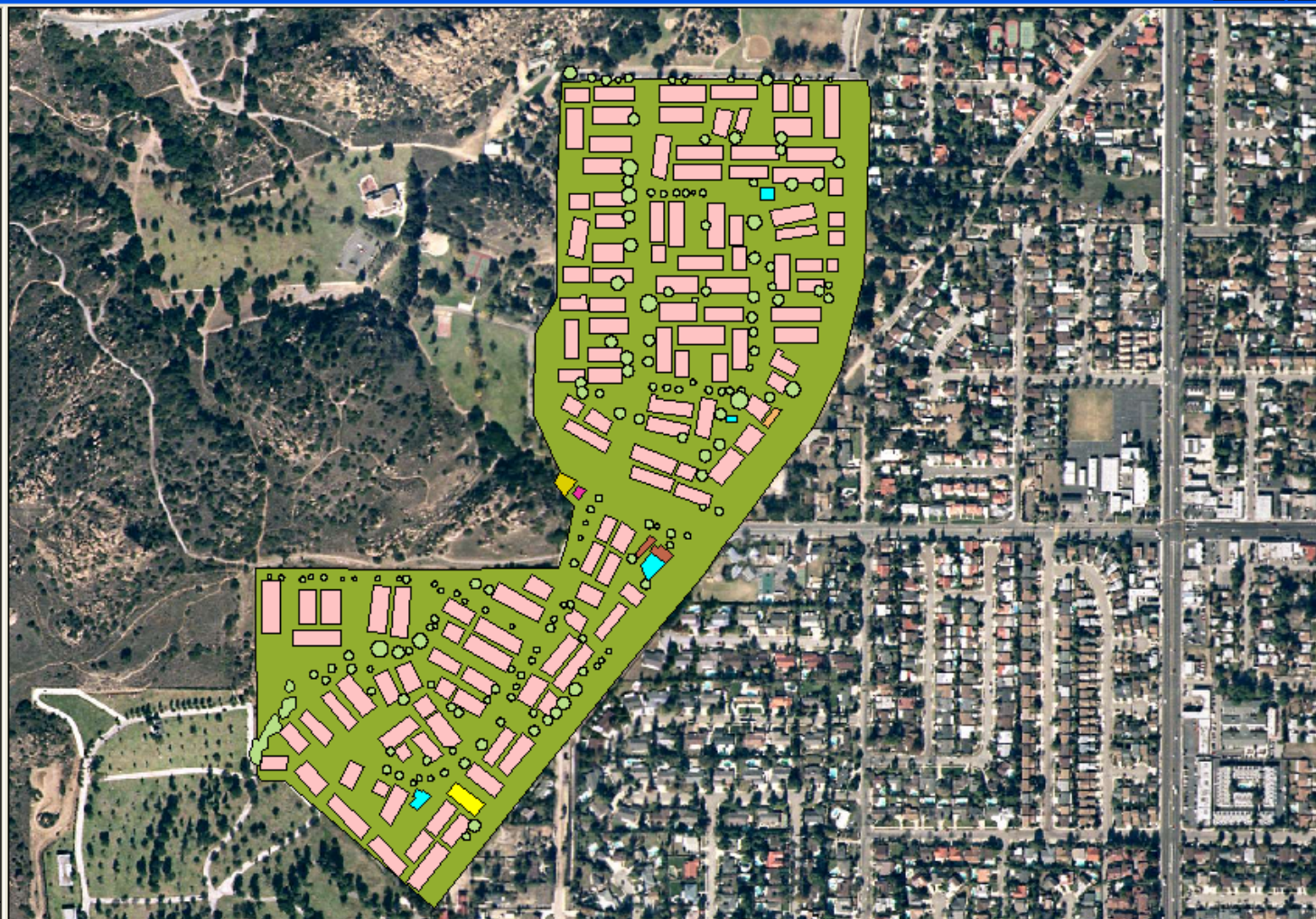




Scale 1:7,712

1,942,685.88  
584,600.82

- ☐ Stations2.shp
- ☒ Vegetation.shp
- ☐ Roads2.shp
- ☐ Roads.shp
- ☐ Stations.shp
- ☒ Project.shp
  - Clubhouse
  - Condo
  - Main. Yard
  - Nur. Shed
  - Office
  - Open/Road
  - Pool
- ☐ Development Phase
  - 1969
  - 1970
  - 1971
  - 1972
  - 1973
  - 1974
  - 1975
  - 1976
  - 1977
  - 1978
- ☒ Solek chatsworth.tif



# **WITHIN ONE YEAR OF INSTALL**

<b>Total no. buildings w/stations</b>	<b>134</b>
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<b>Total no. buildings with active termites in stations</b>	<b>130 (95%)</b>
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# **WITHIN ONE YEAR OF INSTALL**

<b>Total no. stations installed</b>	<b>7327</b>
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<b>Total no. auxillaries installed</b>	<b>418</b>
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# **WITHIN ONE YEAR OF INSTALL**

**Total no. stations with termites  
present/baited  
878 (12%)**

**Mean/median days to station first  
active  
153/105 days**



# **WITHIN ONE YEAR OF INSTALL**

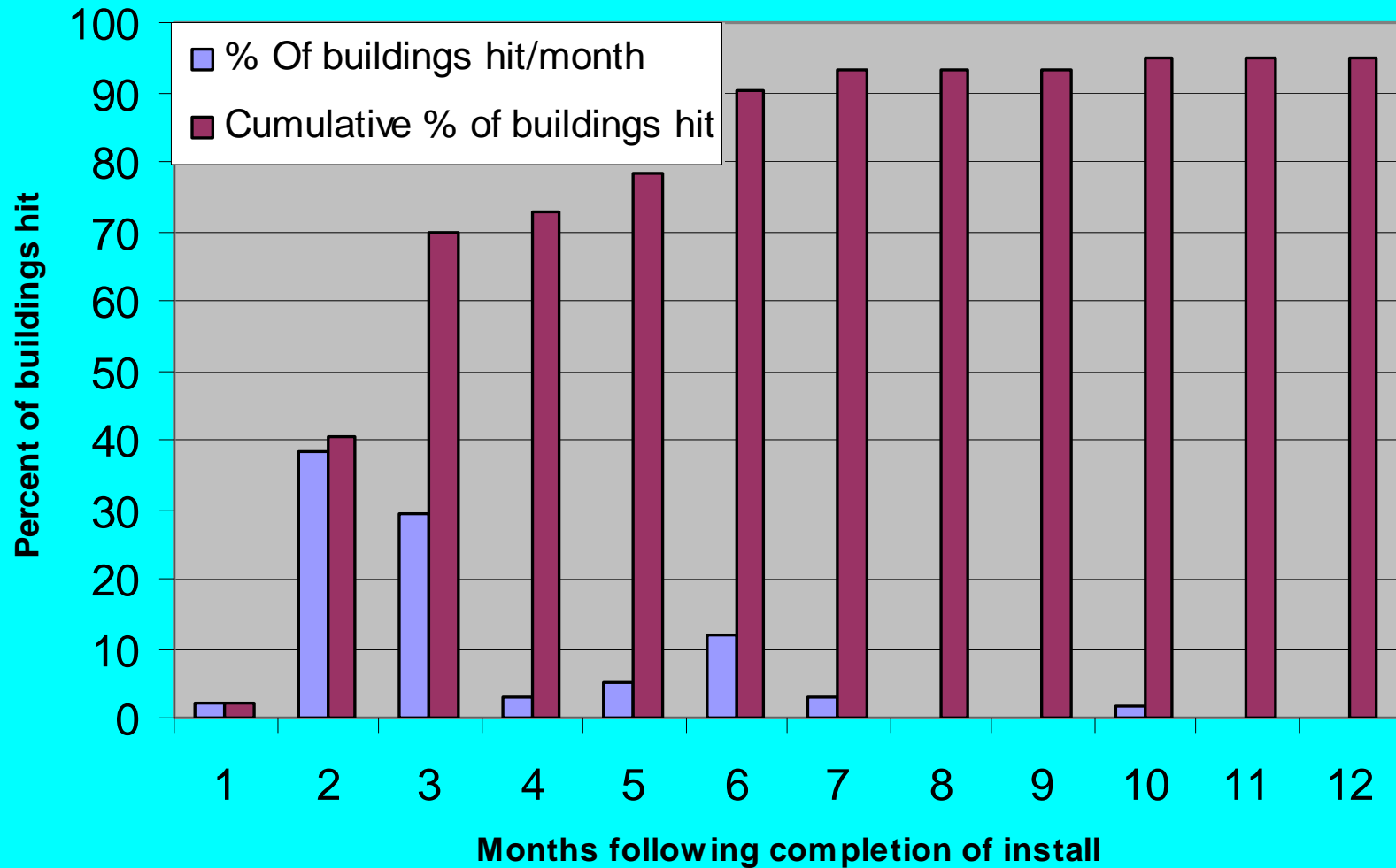
**No. "Successfully Baited" 727 (83%)**

**No. Multiple Baitings (re-hits) 120 (14%)**

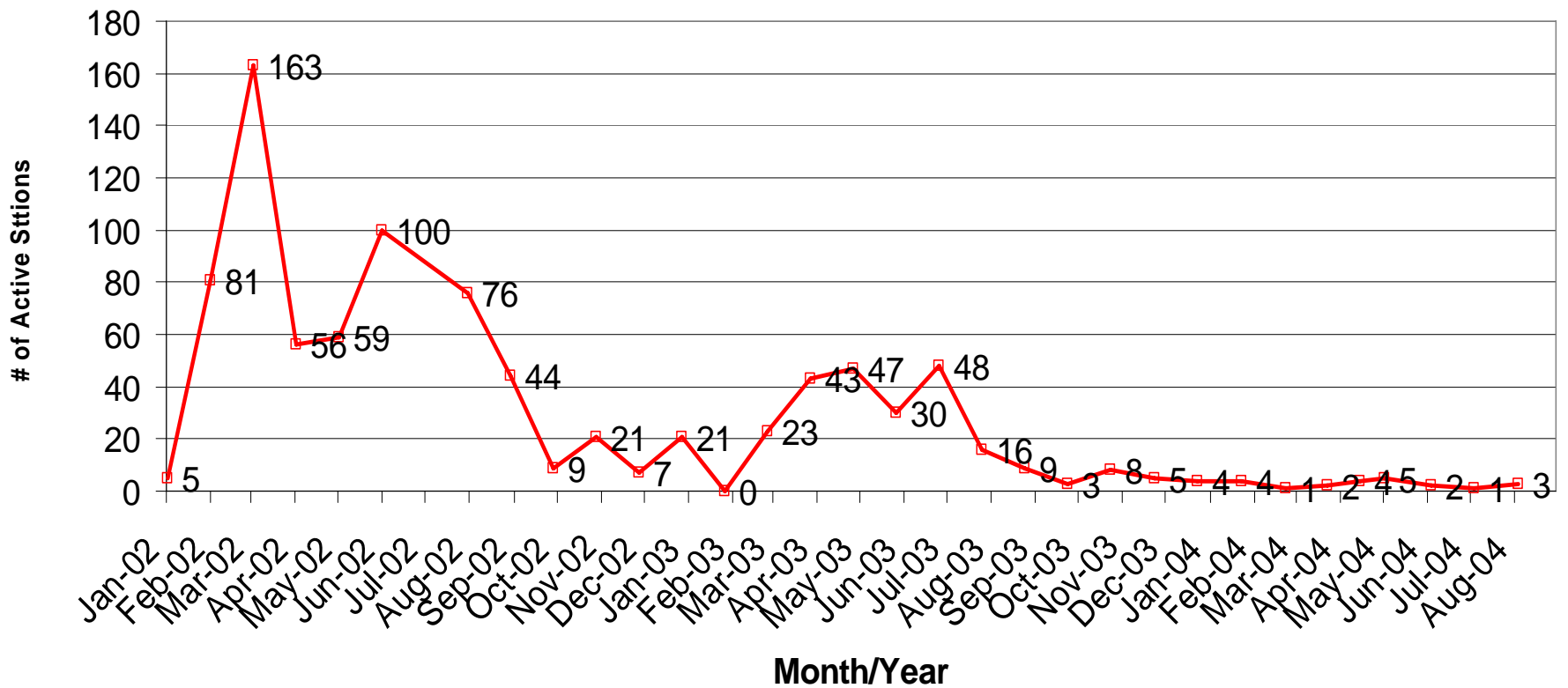
**No. of Abandonments 53 (6%)**

**Mean/Median Days to  
Elimination 127/102 days**

## Building Hit Progression at the RockPointe Condominium Complex



## RockPointe-New Active Stations/Month



# RockPointe Condominium Complex Chatsworth, CA

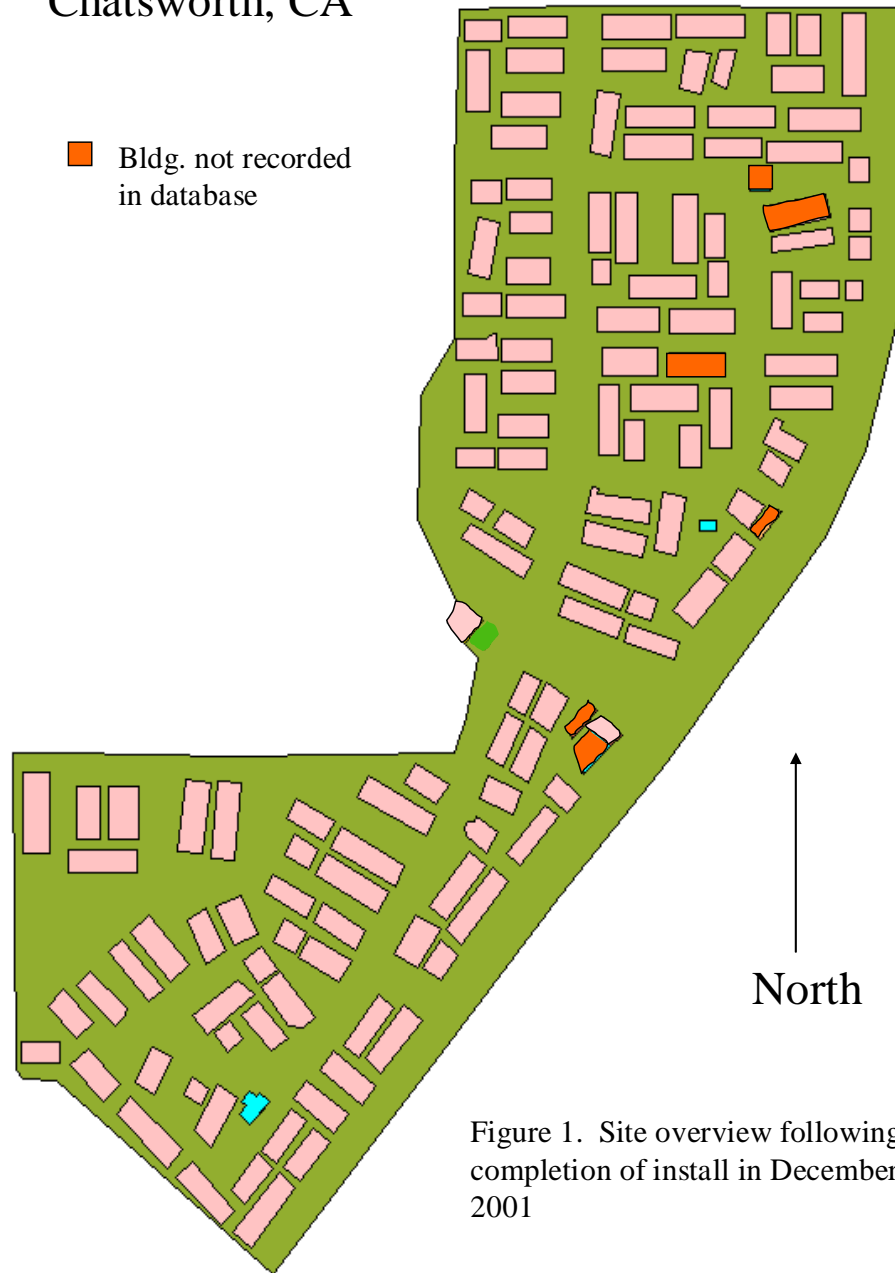


Figure 1. Site overview following completion of install in December 2001



# RockPointe Condominium Complex Chatsworth, CA

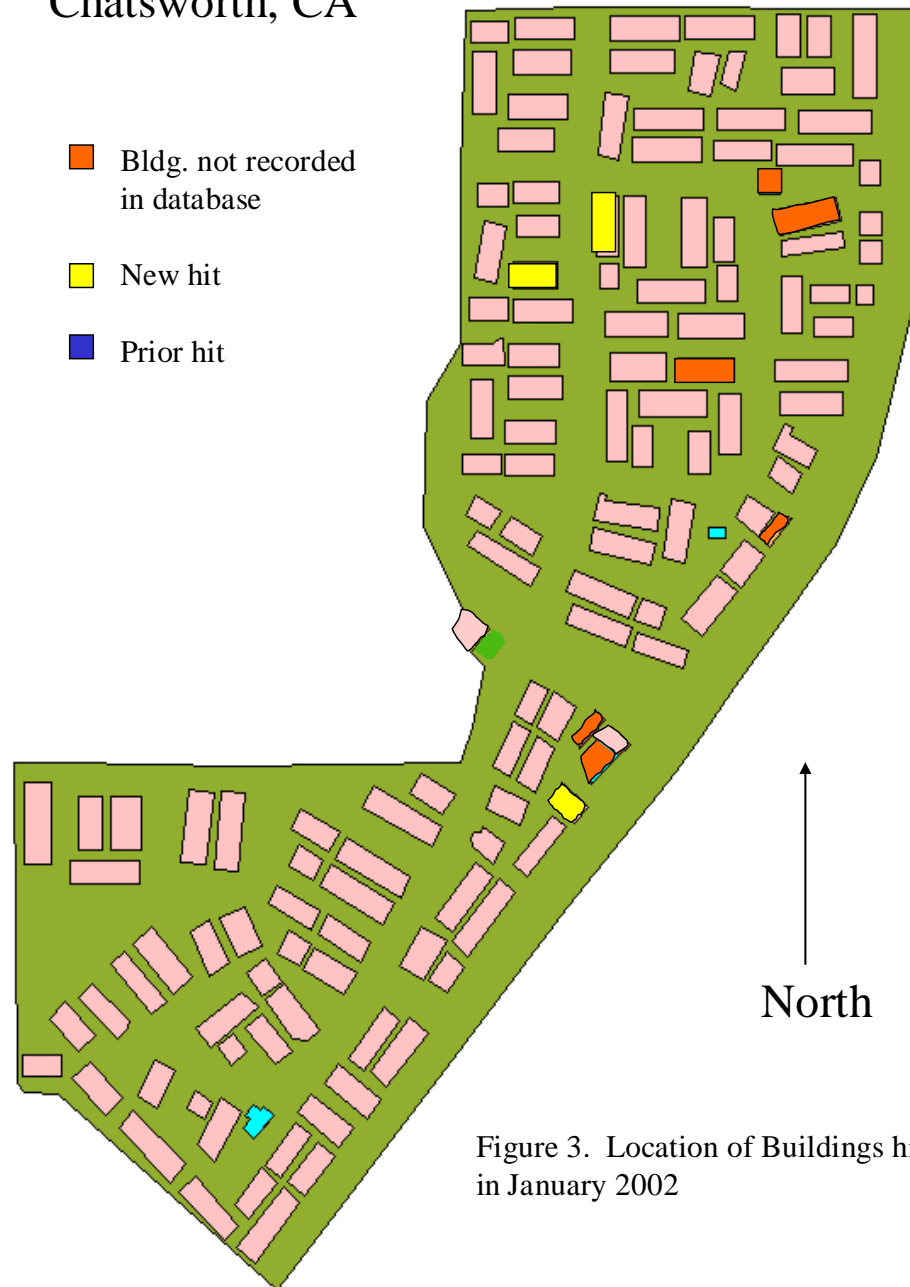


Figure 3. Location of Buildings hit  
in January 2002

# RockPointe Condominium Complex Chatsworth, CA

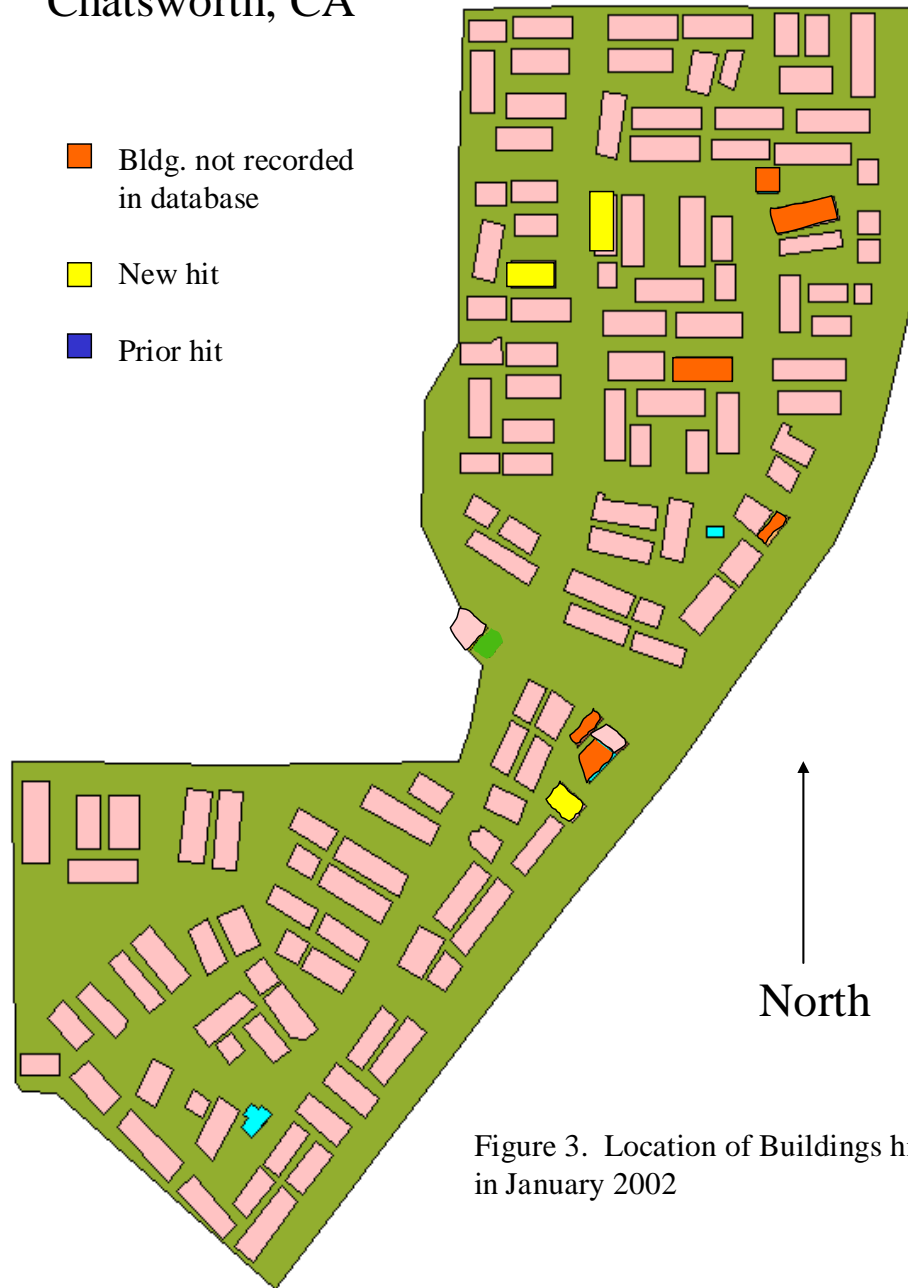


Figure 3. Location of Buildings hit  
in January 2002

# RockPointe Condominium Complex Chatsworth, CA

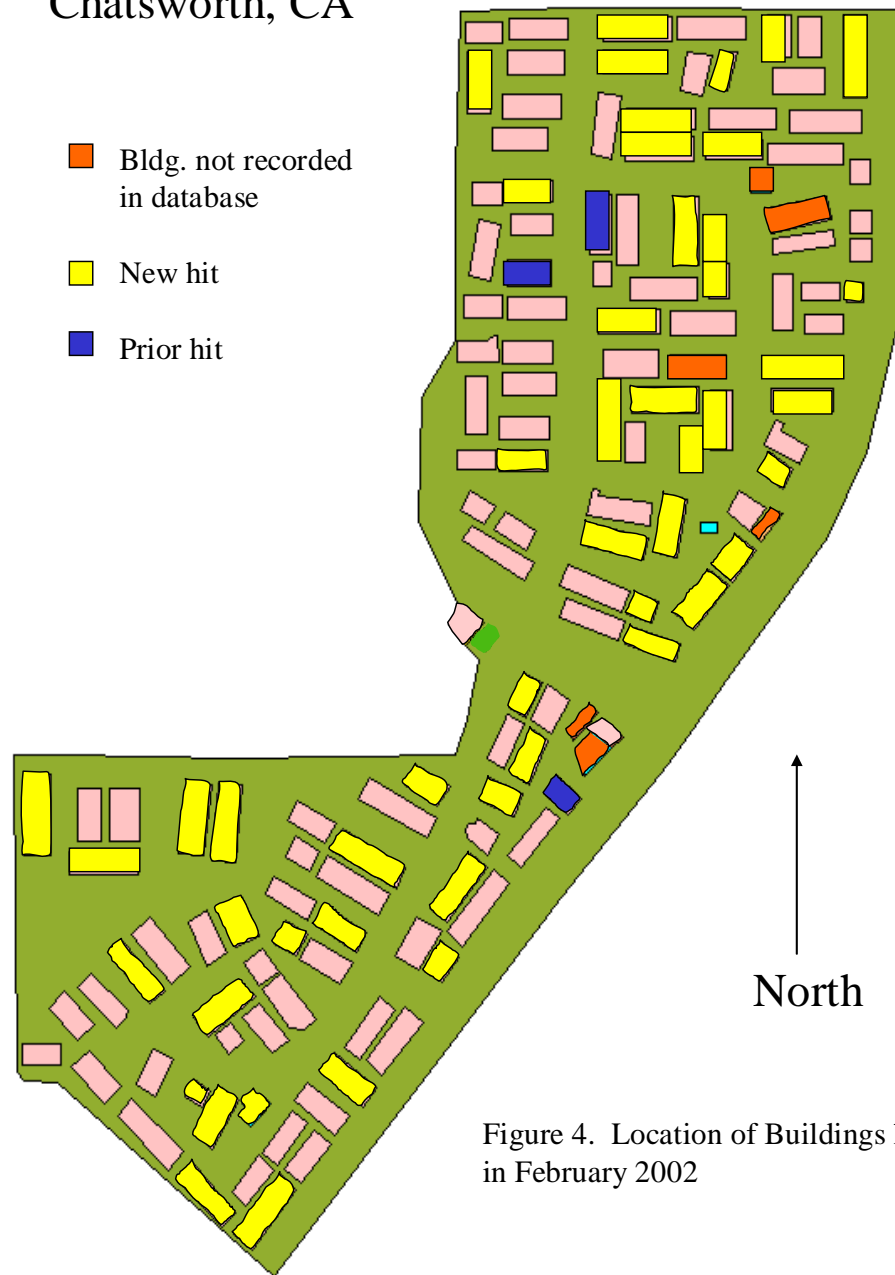


Figure 4. Location of Buildings hit in February 2002

# RockPointe Condominium Complex Chatsworth, CA

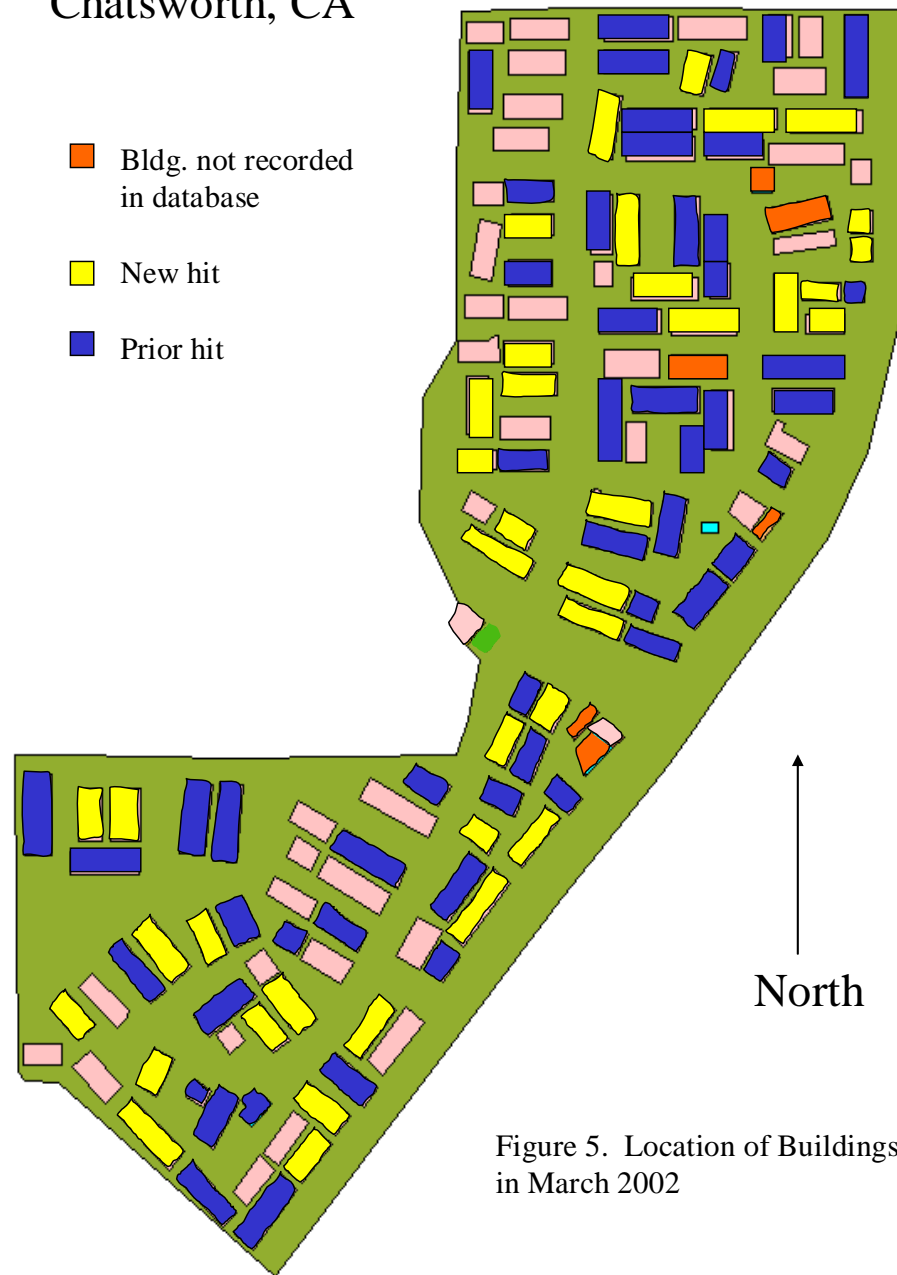


Figure 5. Location of Buildings hit  
in March 2002



# RockPointe Condominium Complex Chatsworth, CA

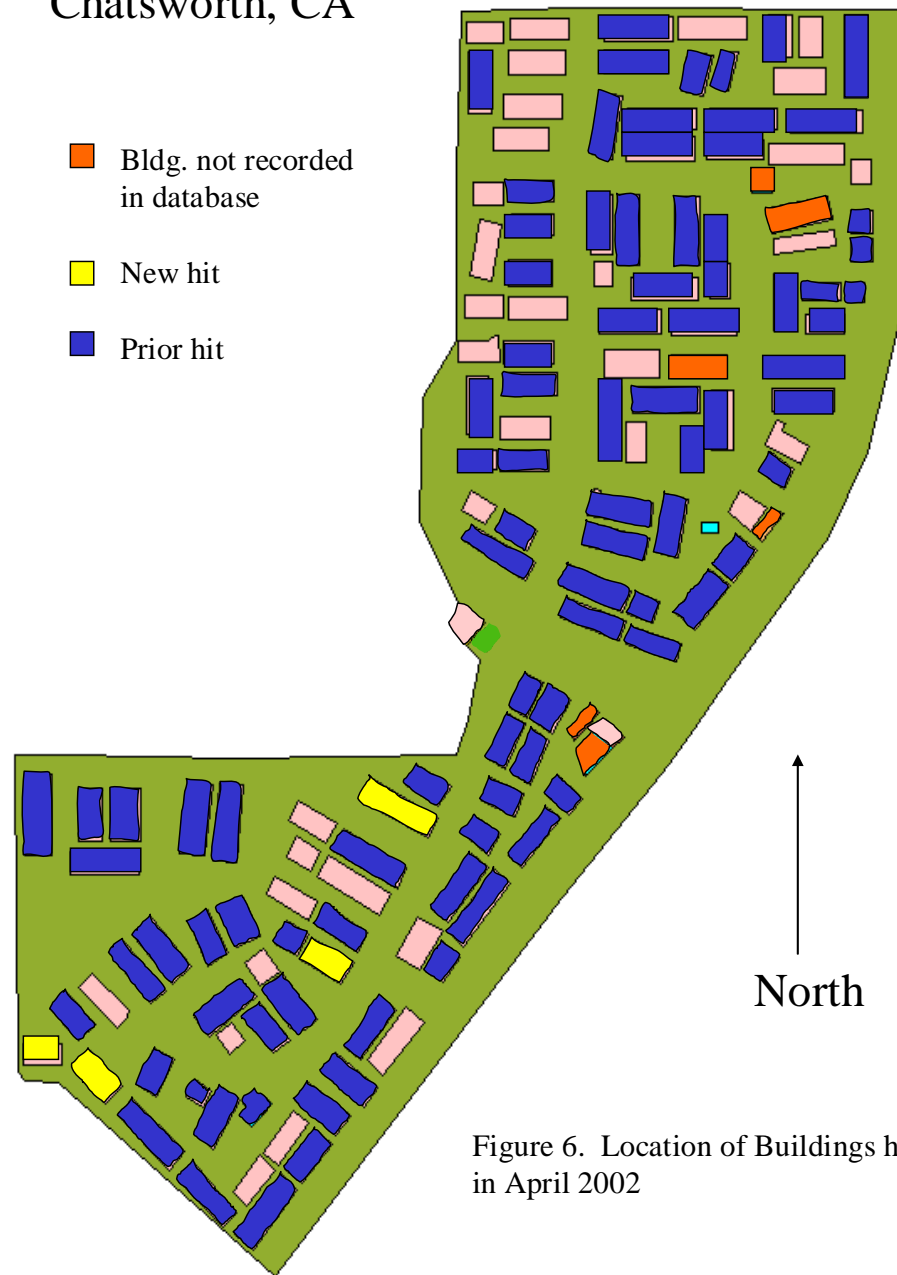


Figure 6. Location of Buildings hit in April 2002

# RockPointe Condominium Complex Chatsworth, CA



Figure 7. Location of Buildings hit in May 2002

# RockPointe Condominium Complex Chatsworth, CA

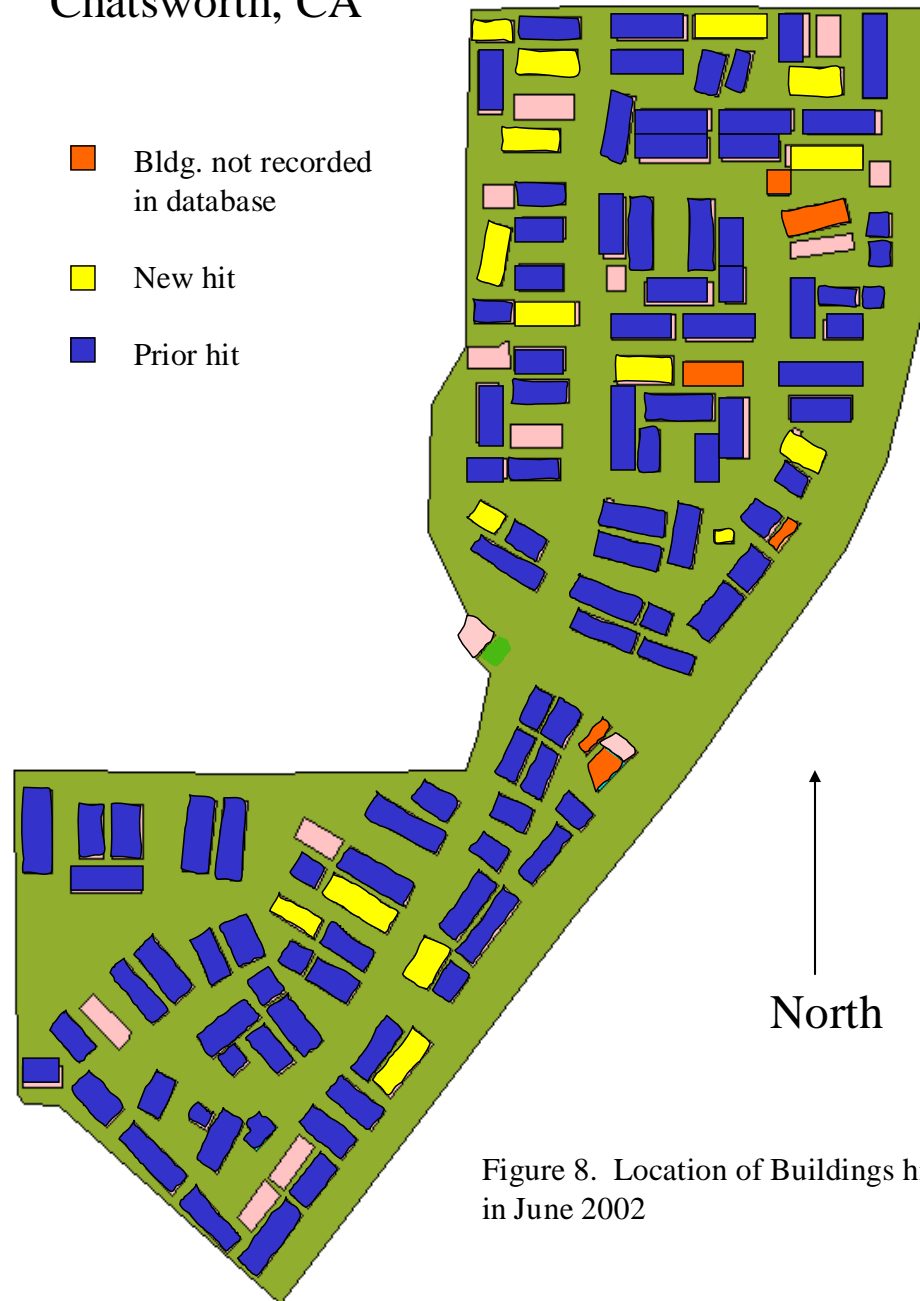


Figure 8. Location of Buildings hit in June 2002

# RockPointe Condominium Complex Chatsworth, CA



Figure 9. Location of Buildings hit in July 2002



# RockPointe Condominium Complex Chatsworth, CA



Figure 10. Location of Buildings hit in October 2002

# RockPointe Condominium Complex Chatsworth, CA



Figure 11. Location of Buildings hit in April 2003

# RockPointe Condominium Complex Chatsworth, CA

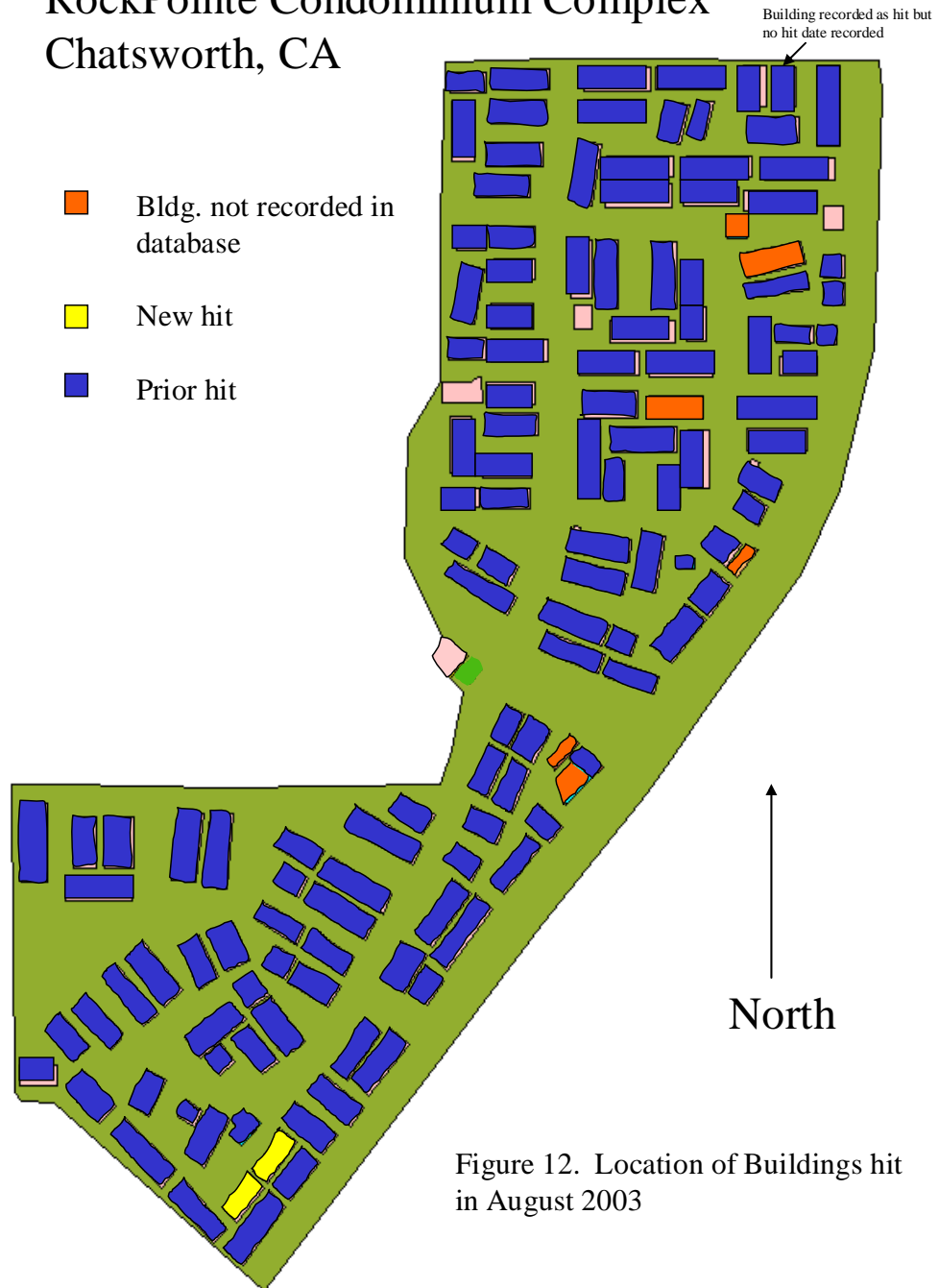
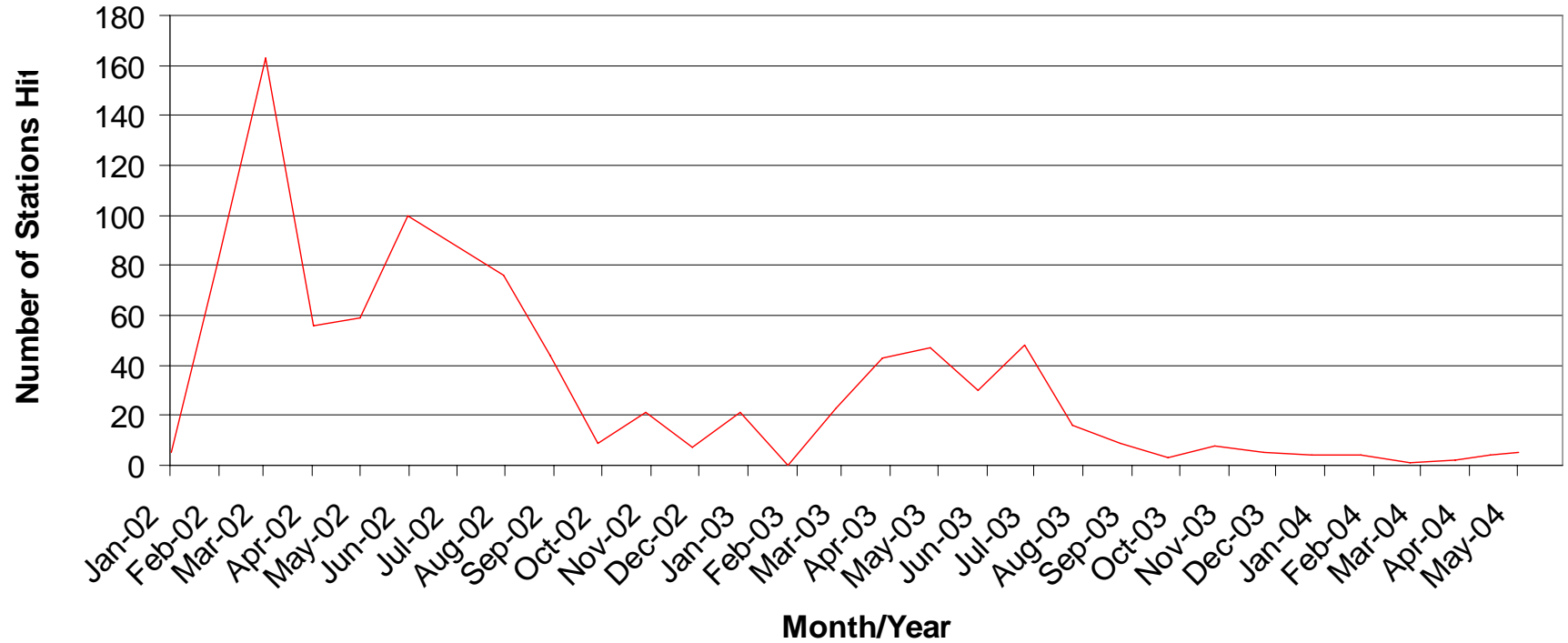


Figure 12. Location of Buildings hit  
in August 2003

## RockPointe-New Hits/Month





# Auxillaries

- As of May 2004
  - 888 Primary Stations active for a 12% rate
  - 54 of 423 auxillary stations active for a 13% rate

# Homeowner Termite Complaints

- Before Baiting
  - Average of 15-20 complaints per month
- Post Baiting
  - Complaints mid 2003 only 5-7 calls per month
  - Current calls average less than 1 per month
  - Alate flights are down considerably to date

# Thank you

- Questions can be directed to
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