

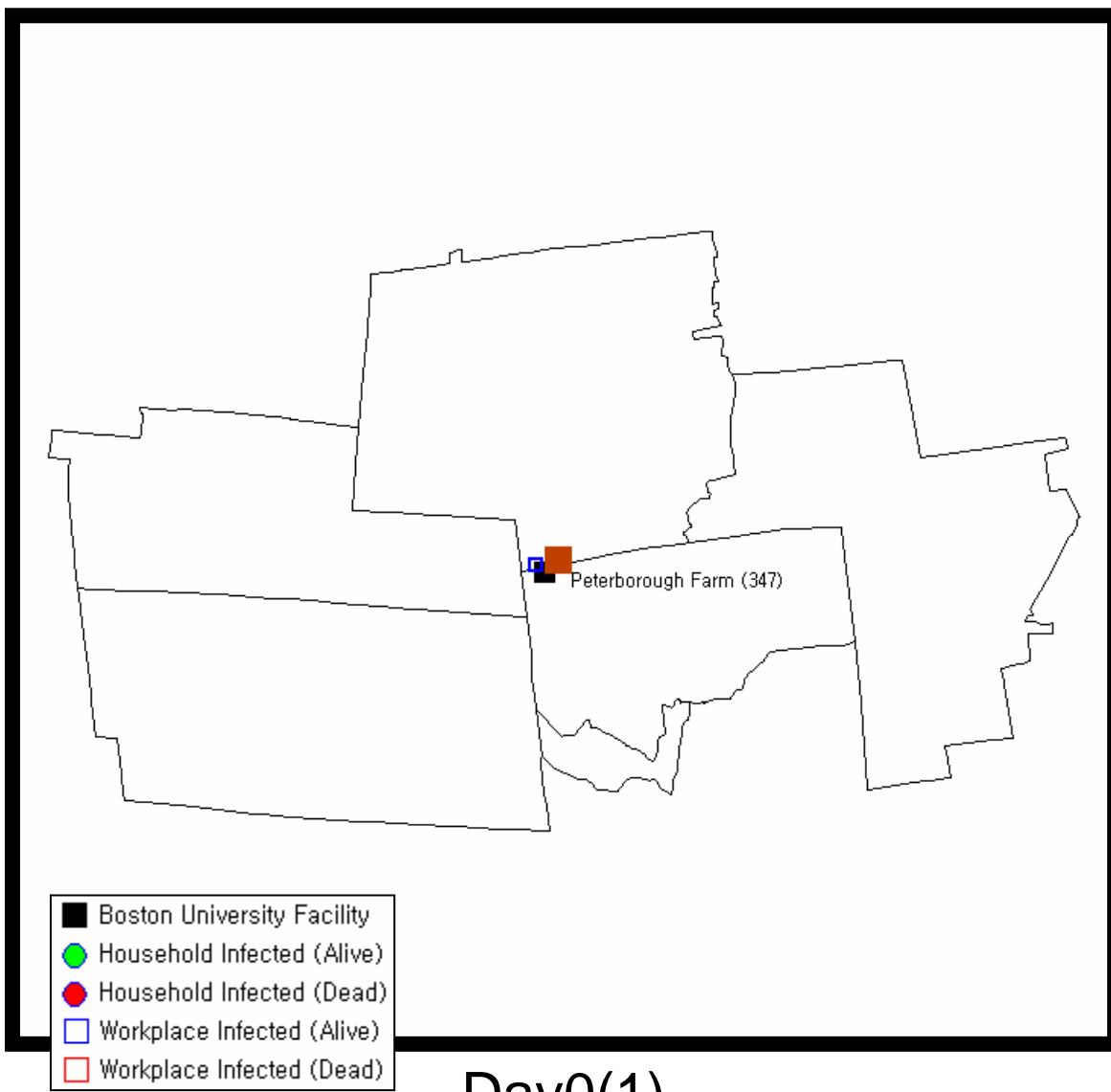
## **Appendix 1**

### **Example of A-BEST Simulation Output**

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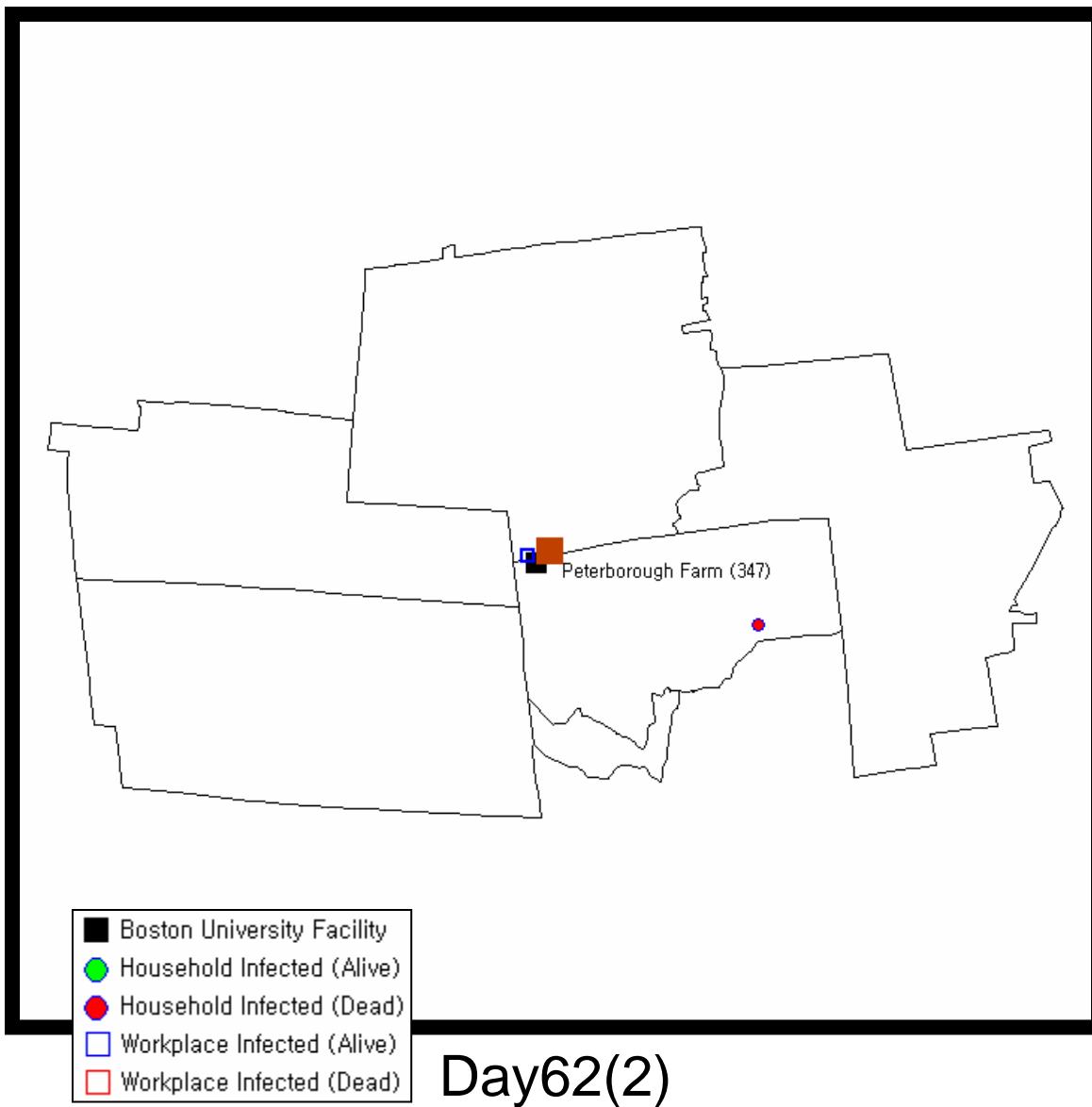
## **Ebola (Peterborough)**

## Scientist



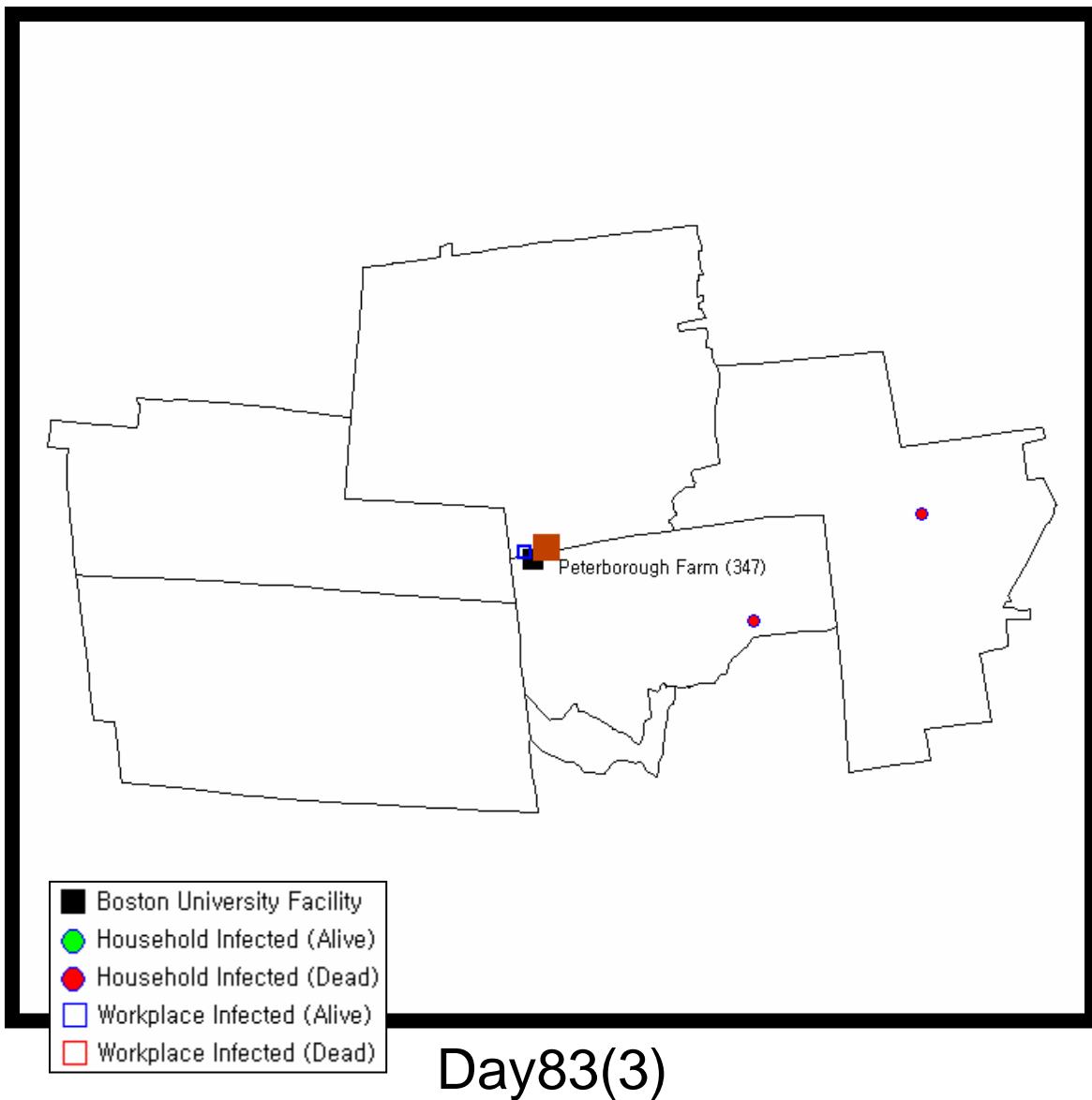
**Ebola (Peterborough)**

## Woman in Town B



## Ebola (Peterborough)

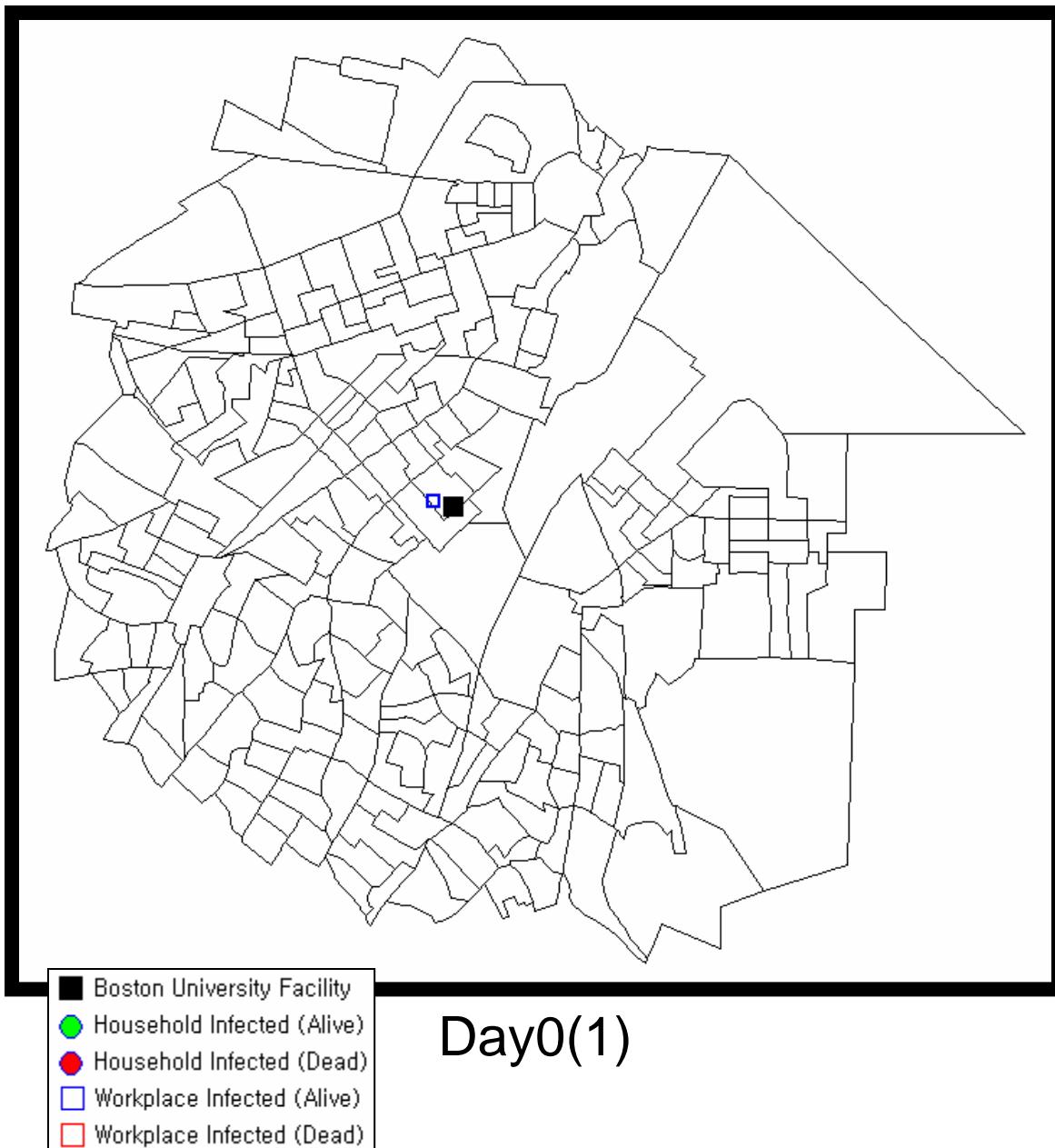
## Man



## Ebola (Peterborough)

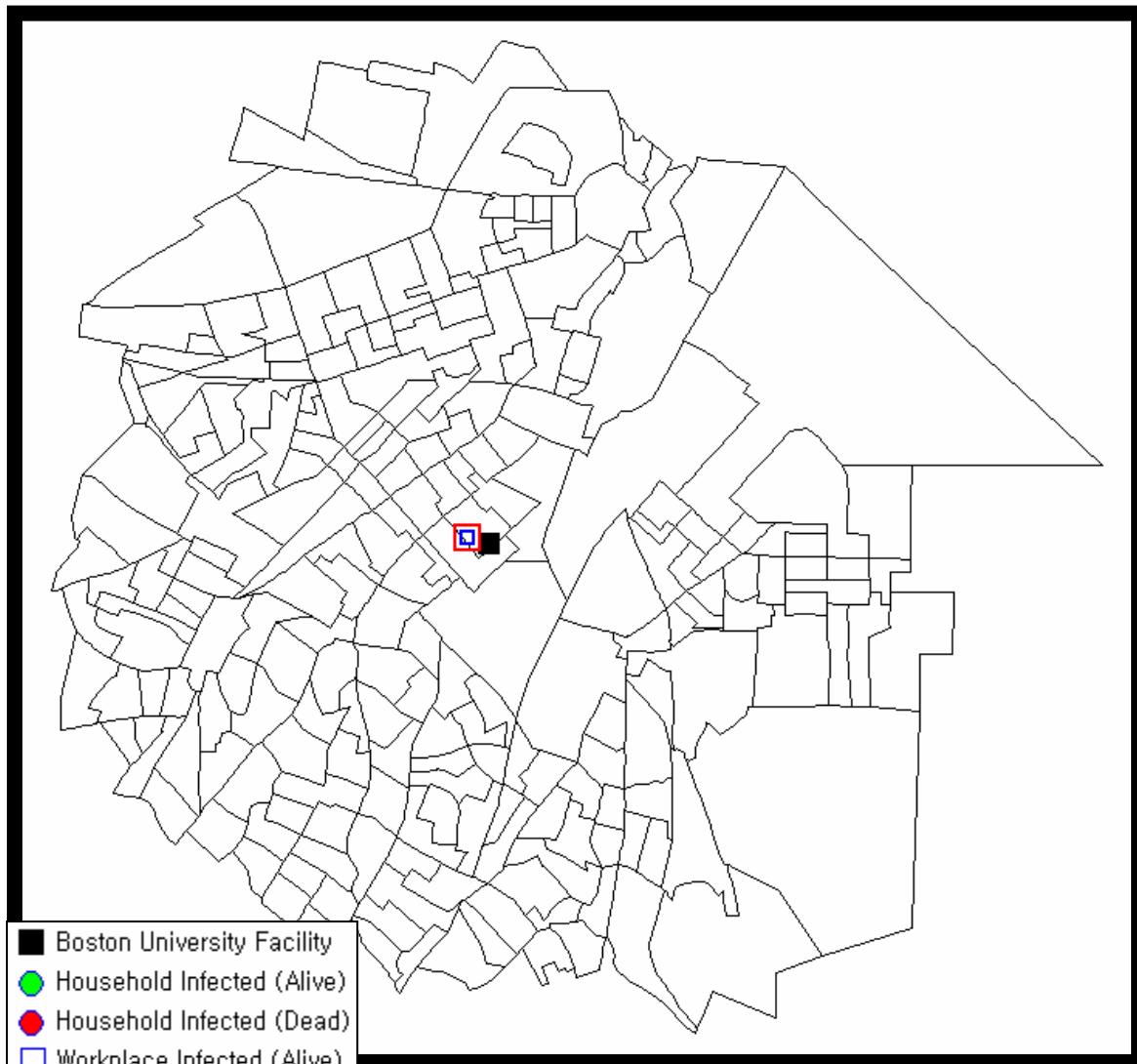
## **Ebola (BUMC)**

## Scientist



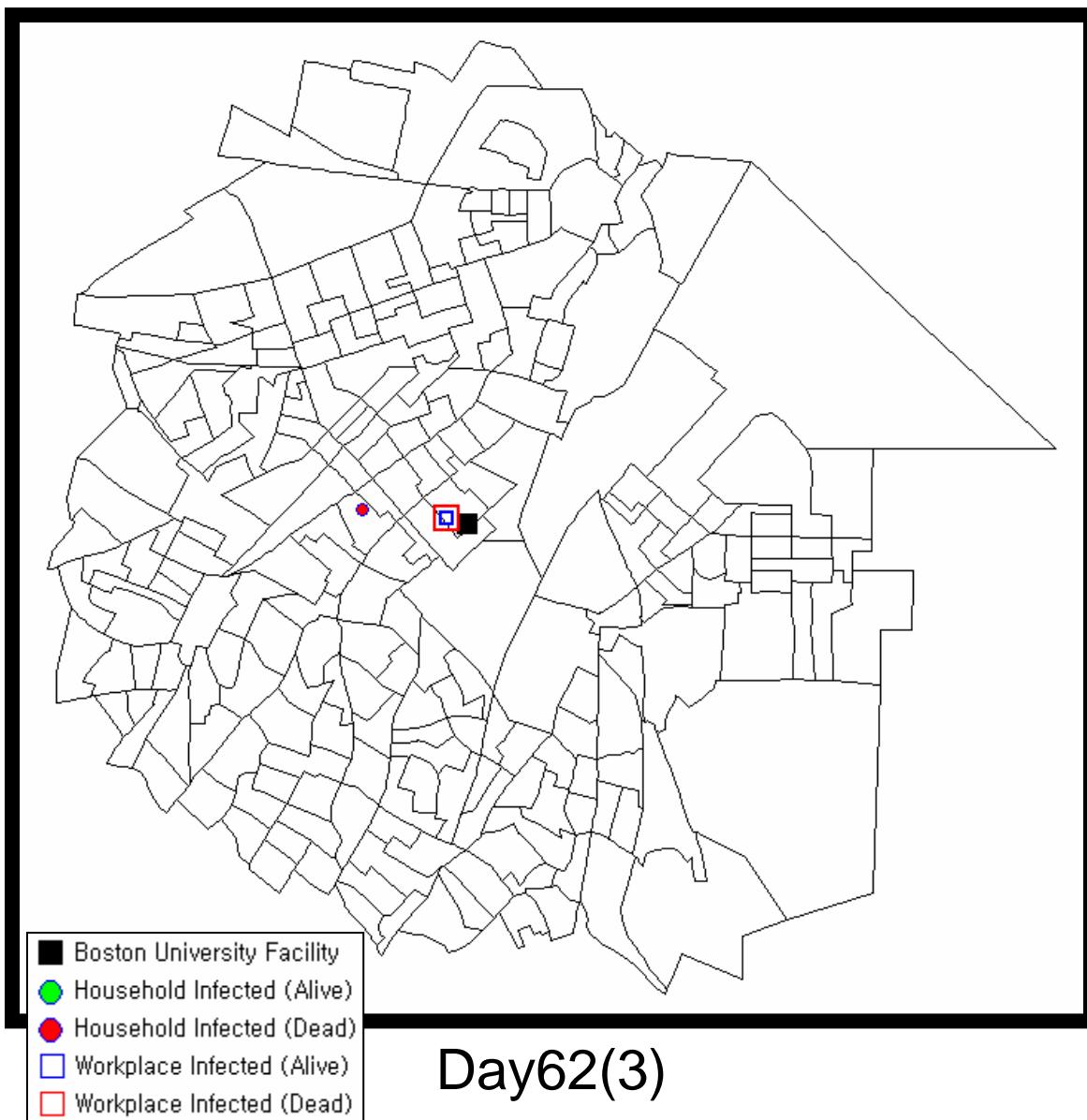
## Ebola (BUMC)

## Nurse in the Hospital



## Ebola (BUMC)

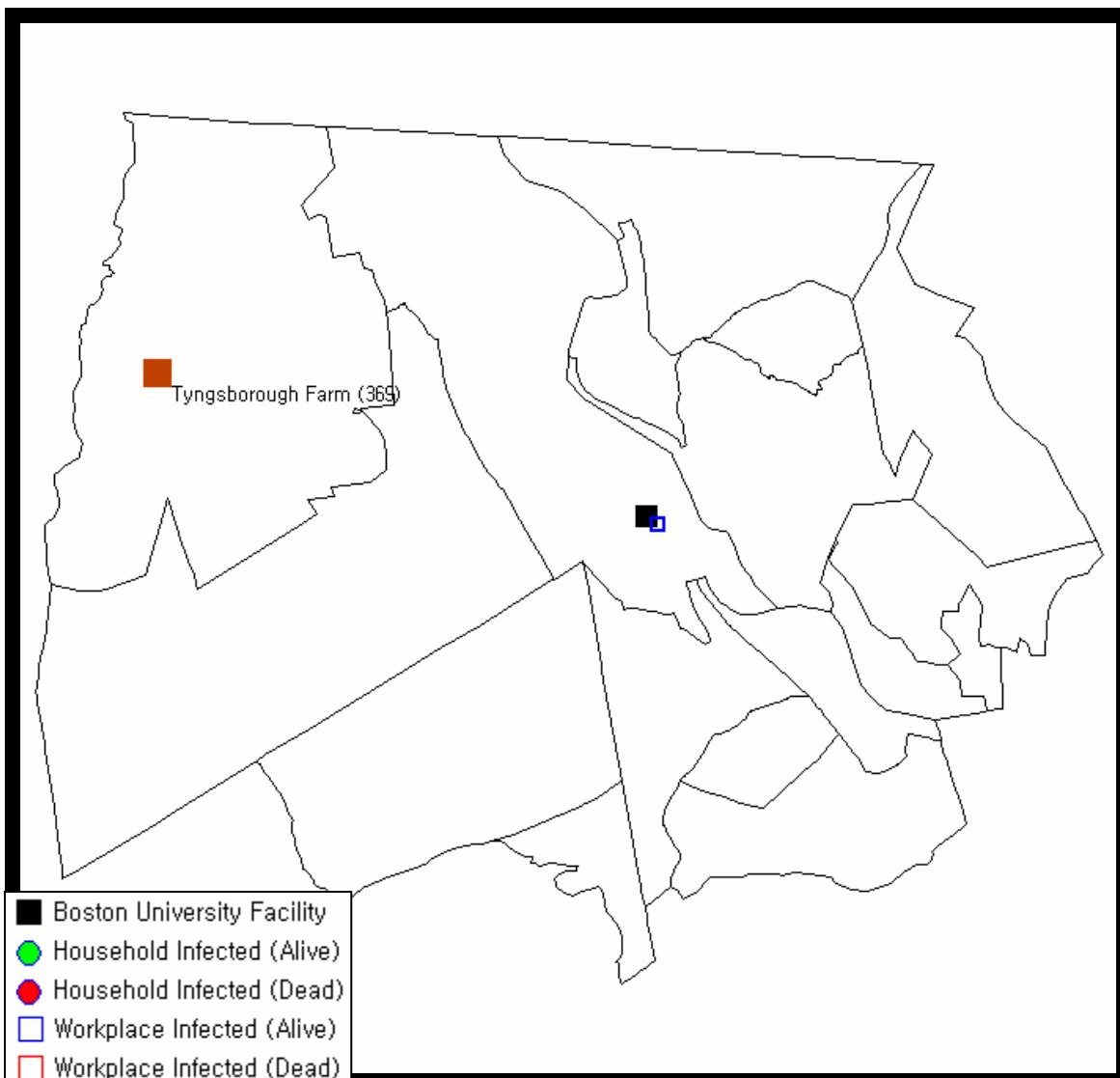
## Woman in Town B



**Ebola (BUMC)**

## **Ebola (Tyngsborough)**

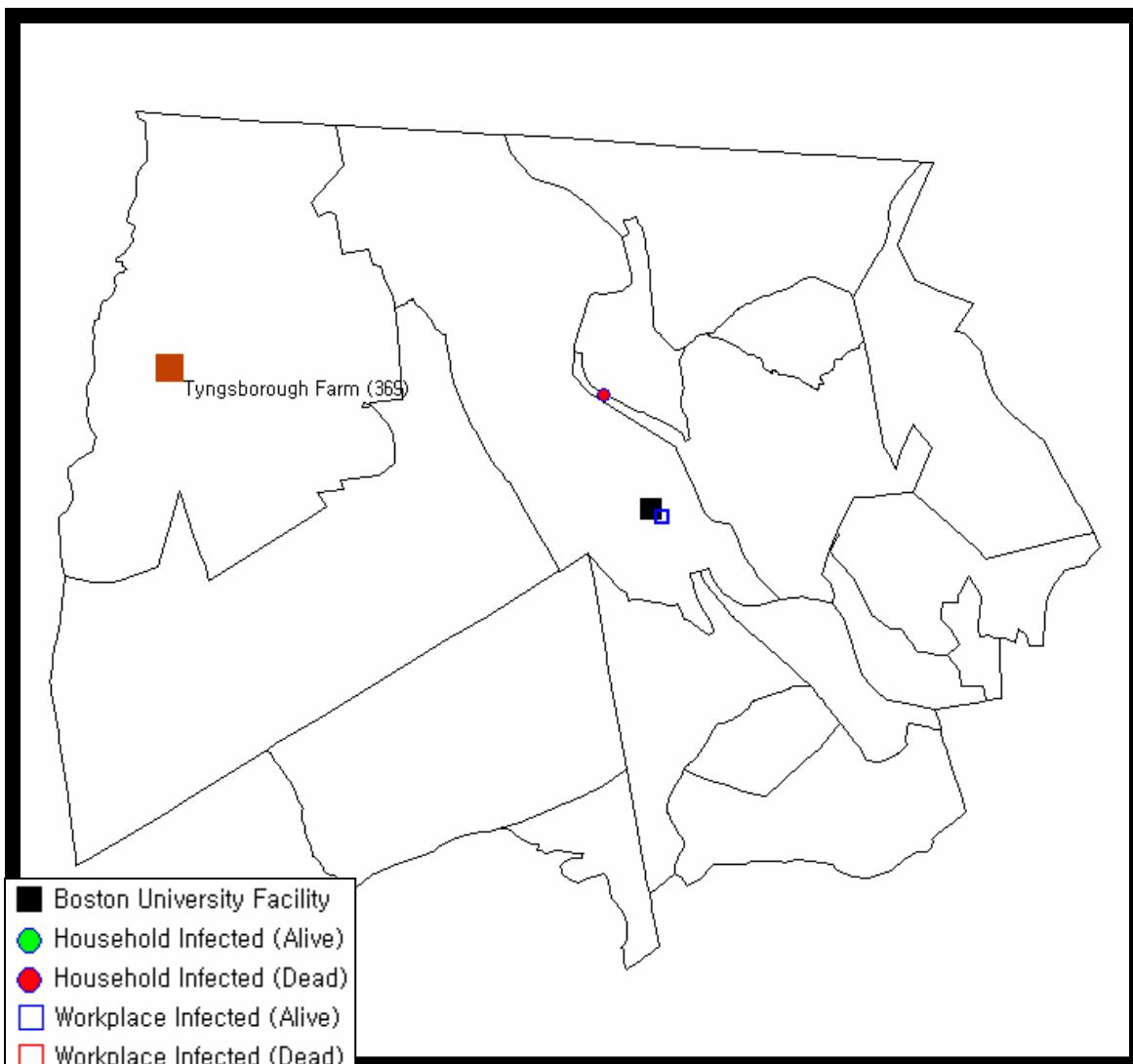
## Scientist



Day0(1)

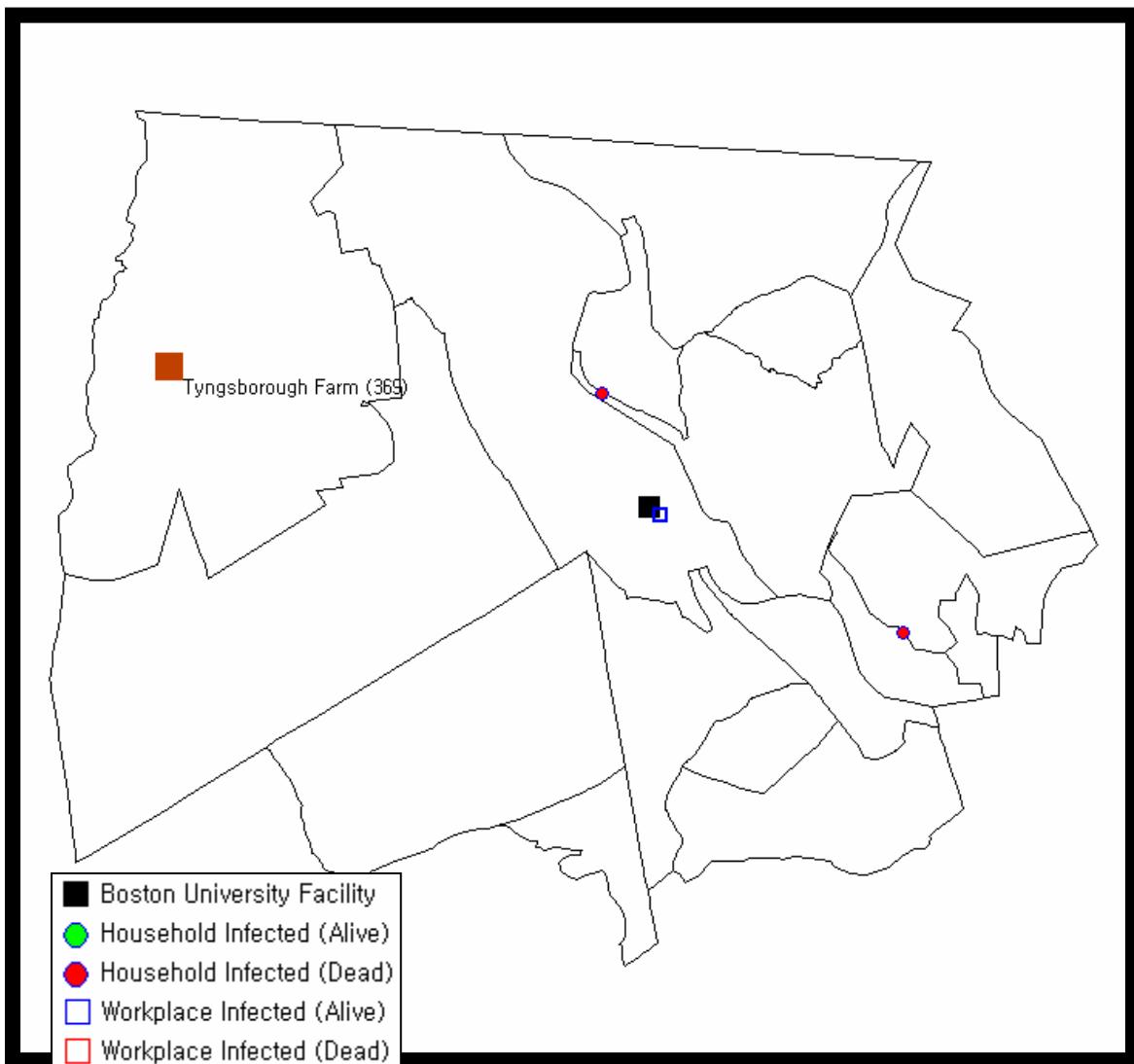
**Ebola (Tyngsborough)**

## Woman in Town B



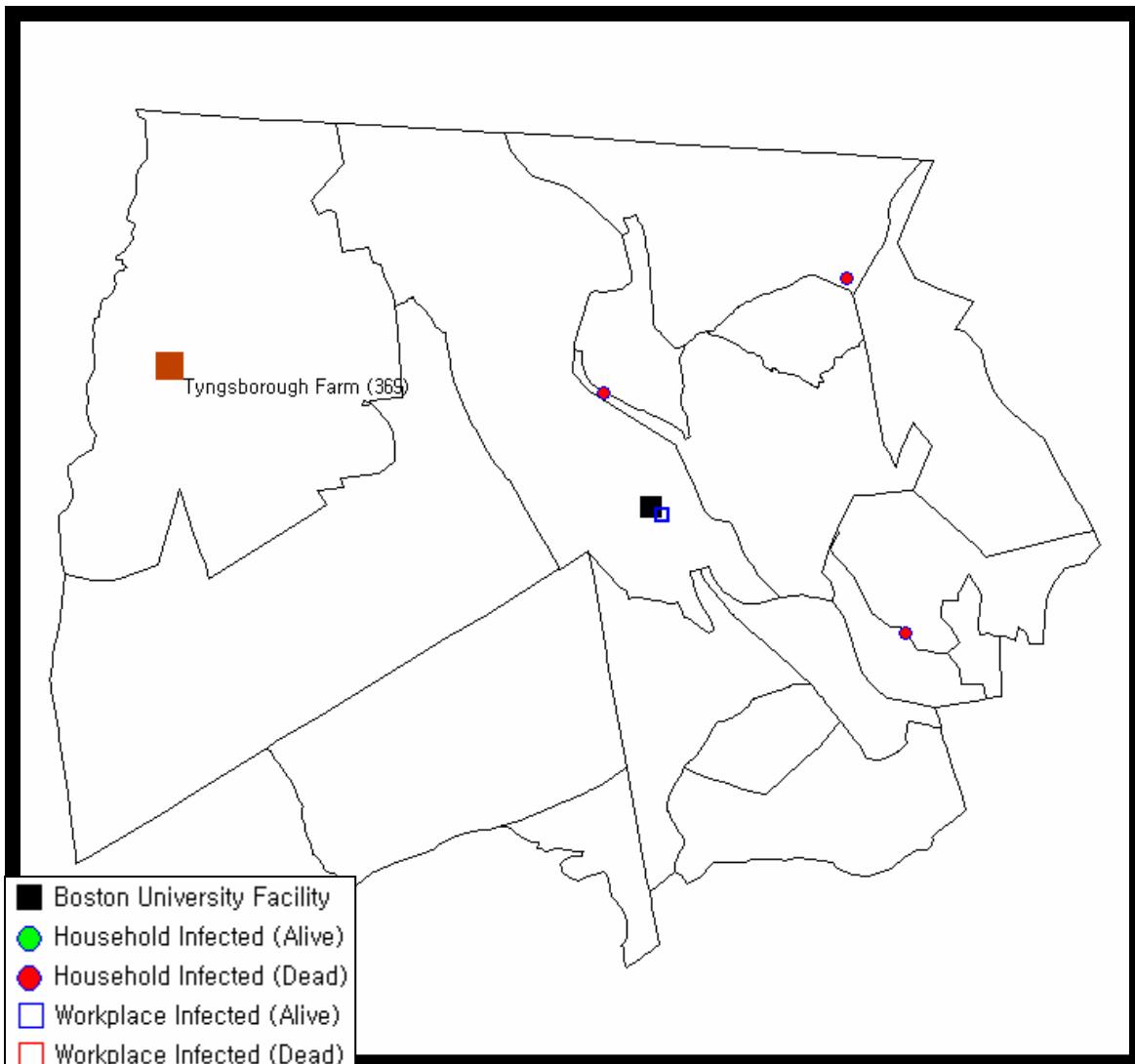
**Ebola (Tyngsborough)**

## Man 1



**Ebola (Tyngsborough)**

## Man 2

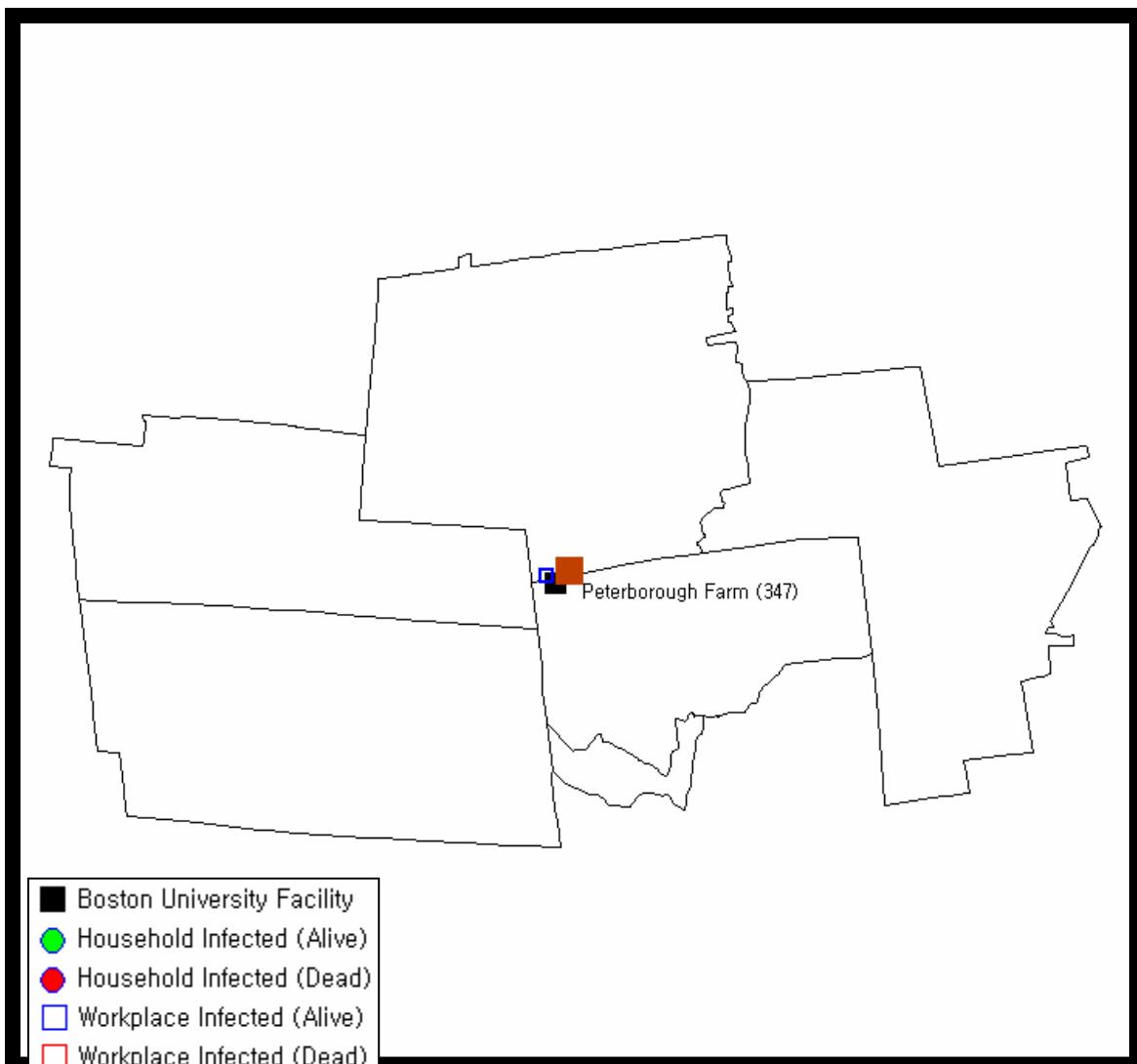


Day83(4)

## Ebola (Tyngsborough)

## **Monkeypox (Peterborough)**

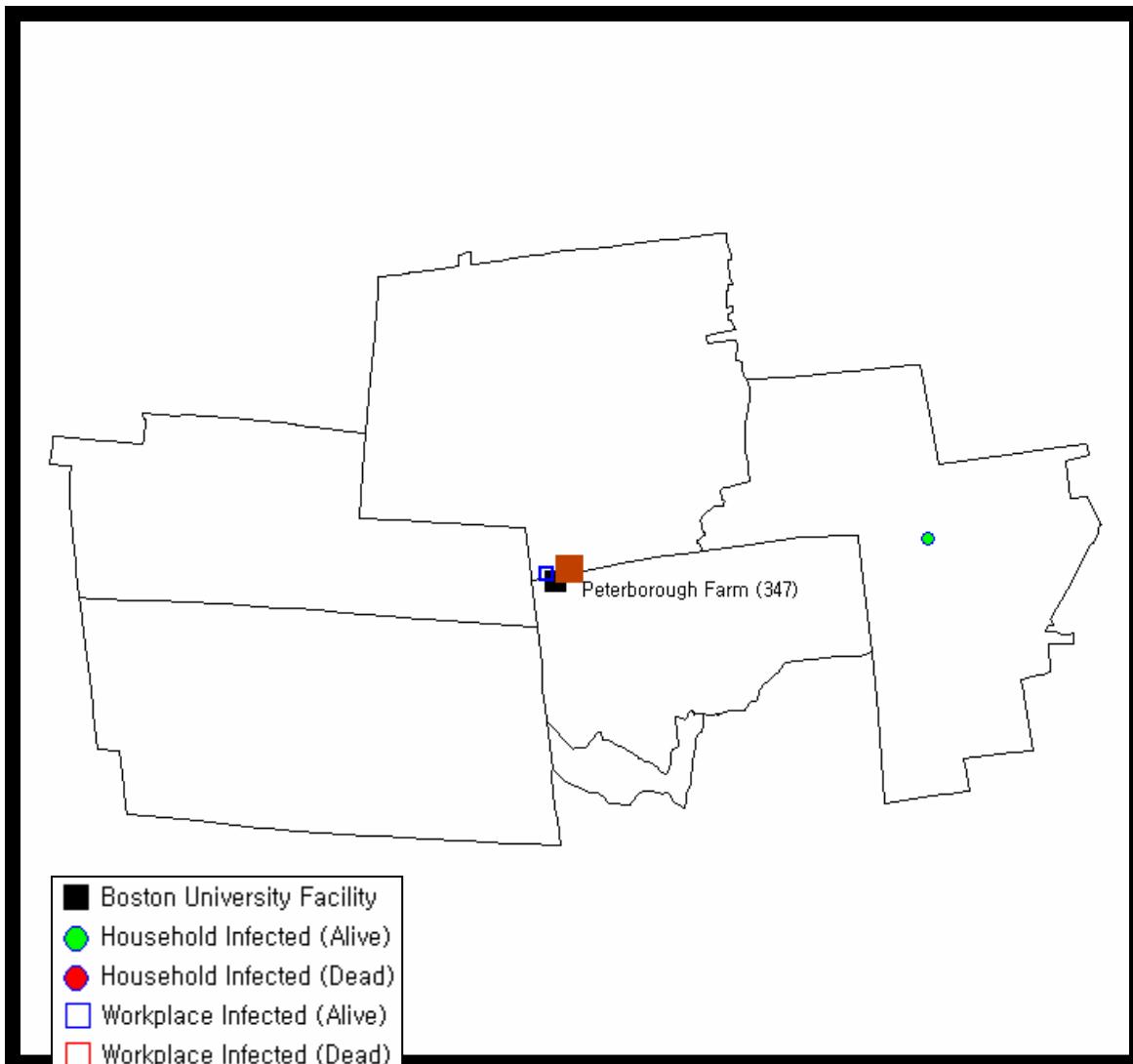
## Scientist



Day0(1)

## Monkeypox (Peterborough)

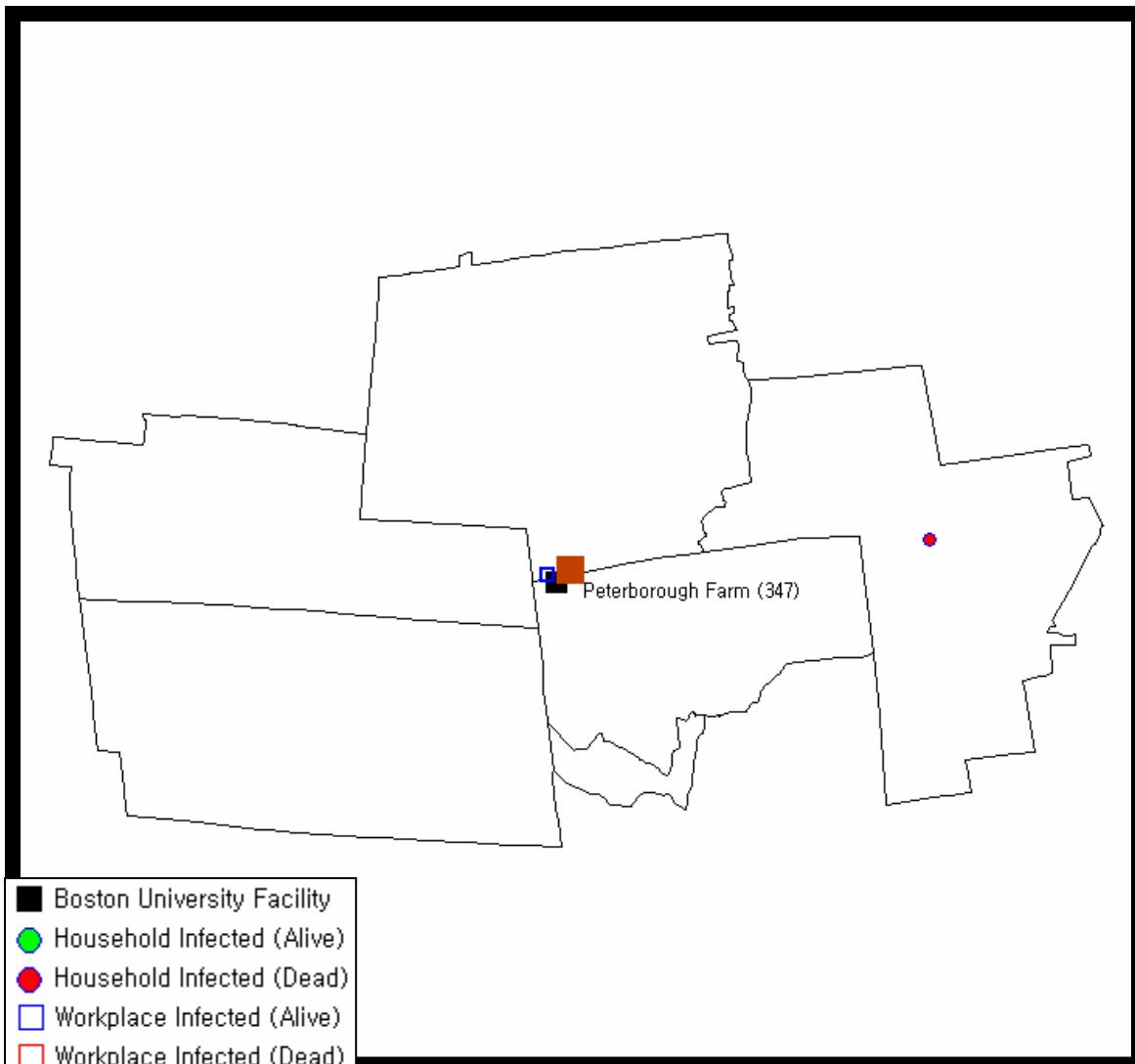
## Wife



Day1(2)

## Monkeypox (Peterborough)

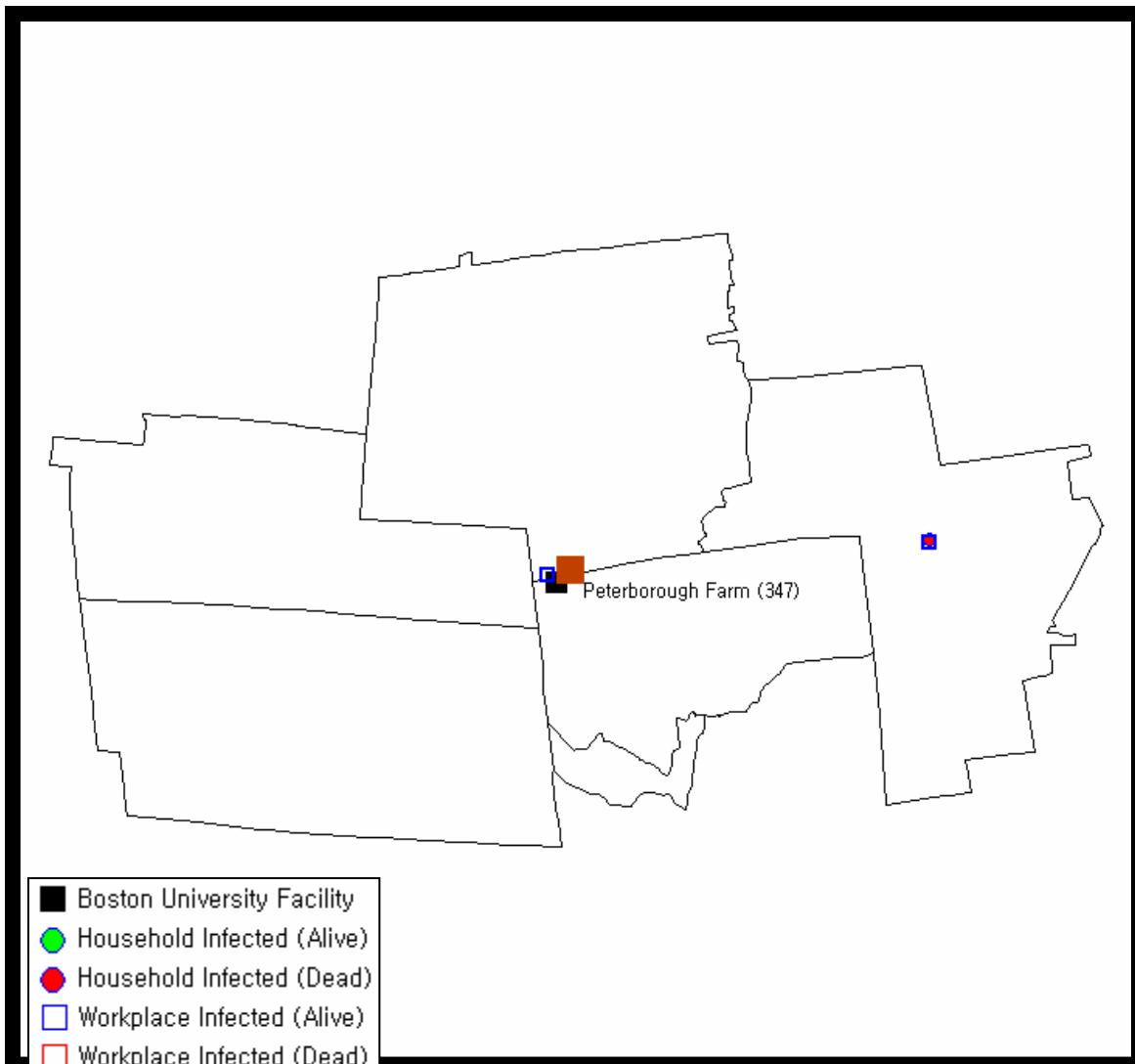
## Daughter



Day1(3)

## Monkeypox (Peterborough)

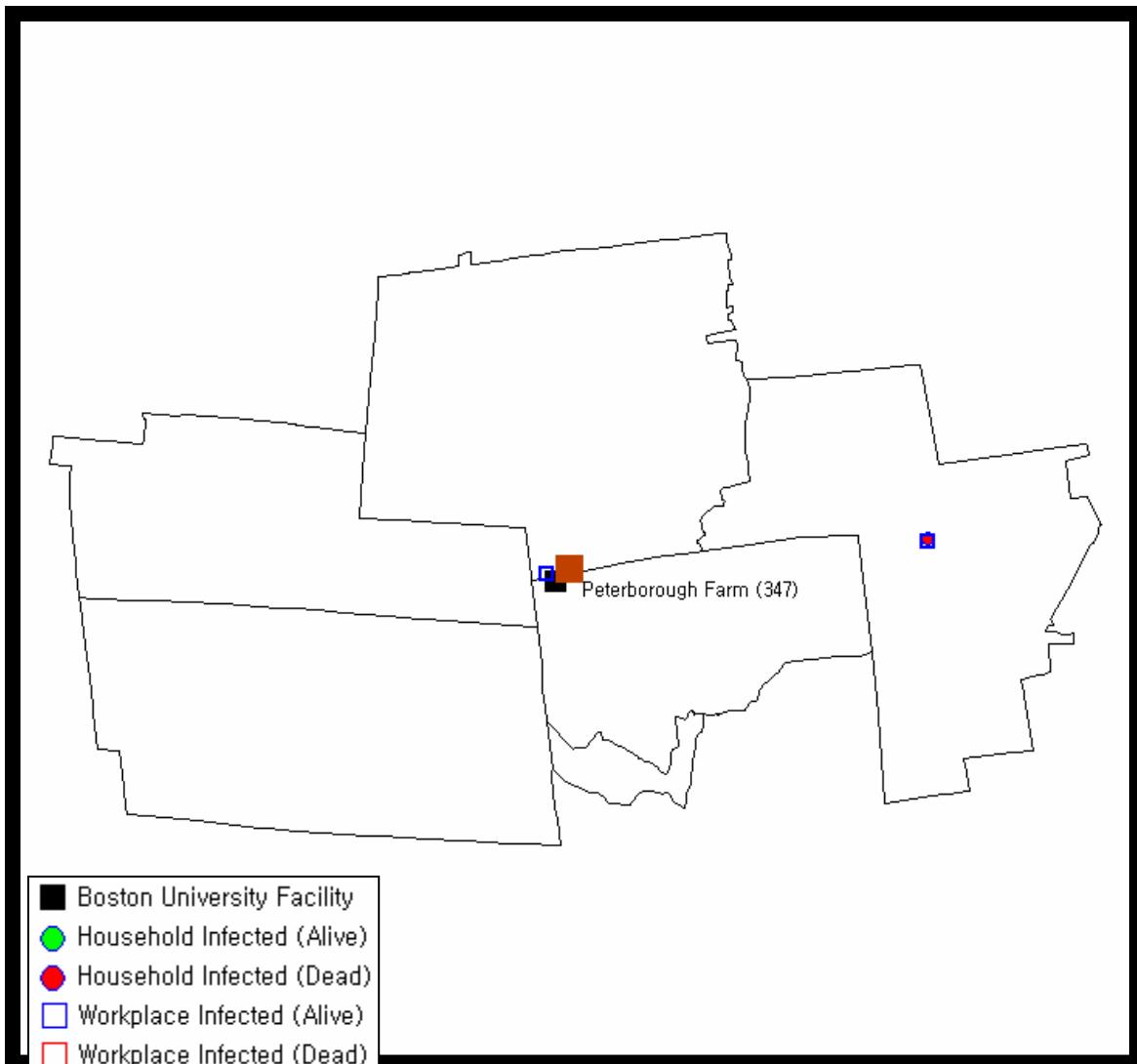
## Daughter's Classmate 1



Day17(4)

## Monkeypox (Peterborough)

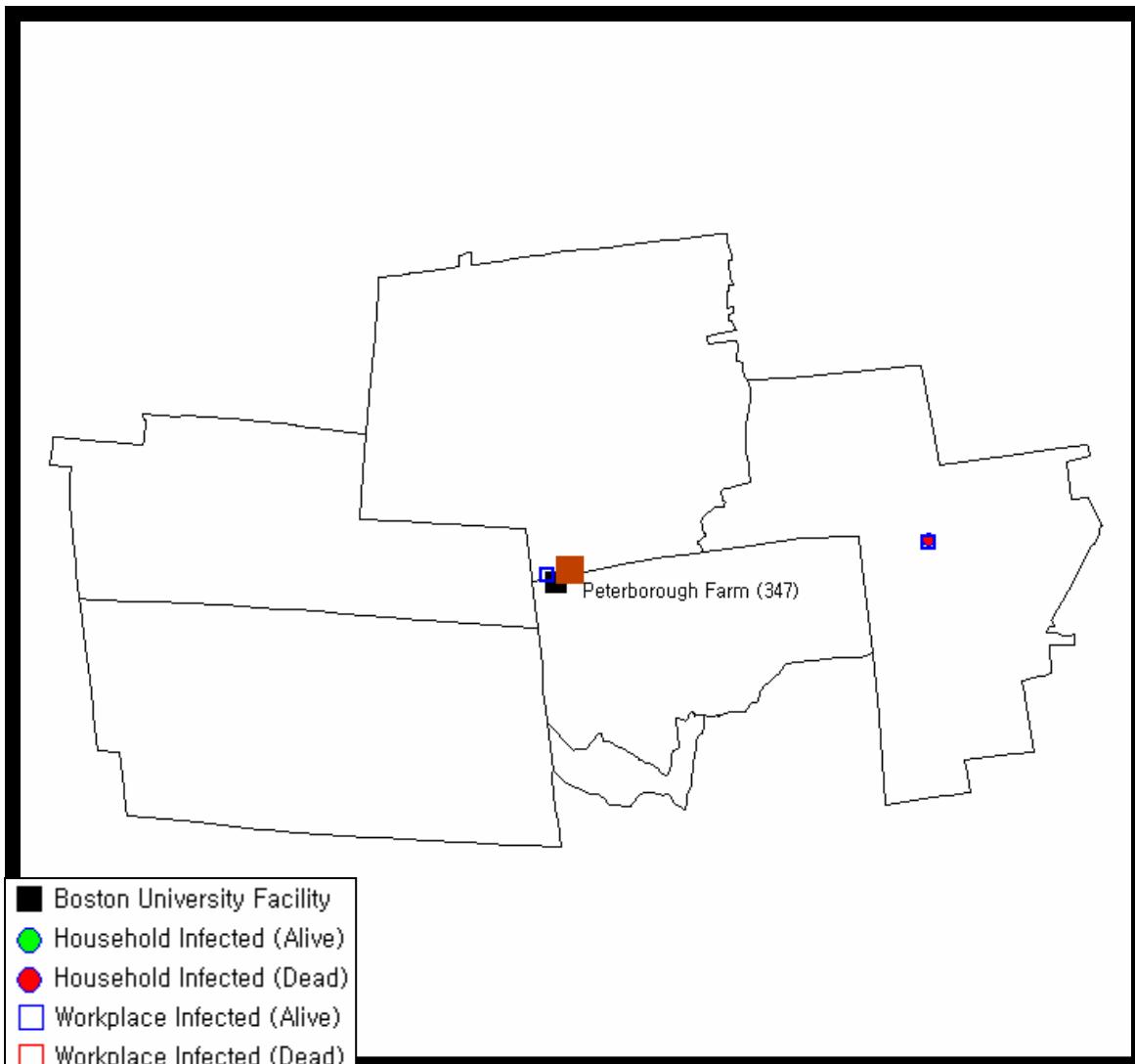
## Daughter's Classmate 2



Day17(5)

## Monkeypox (Peterborough)

## Daughter's Classmate 3

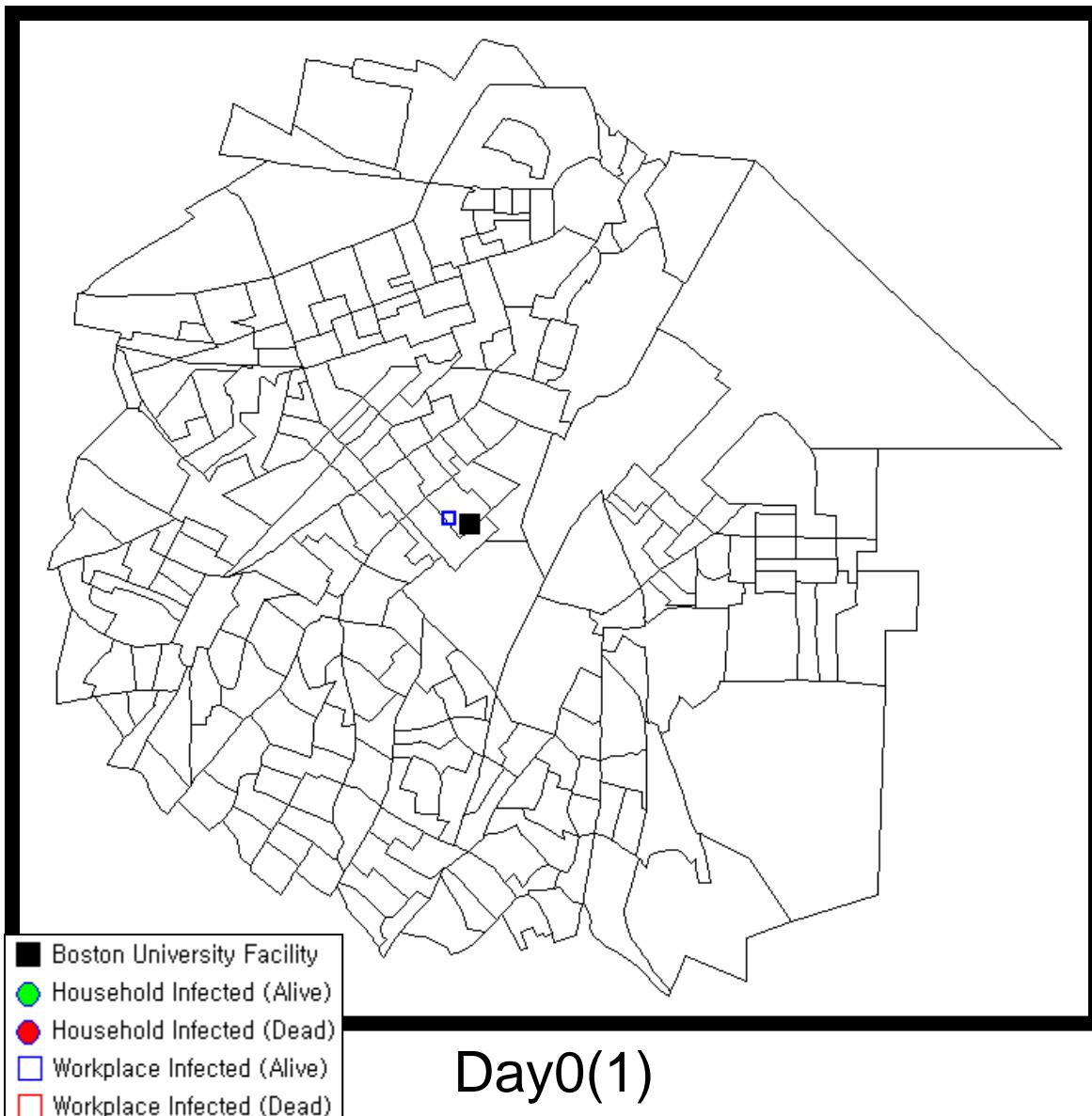


Day17(6)

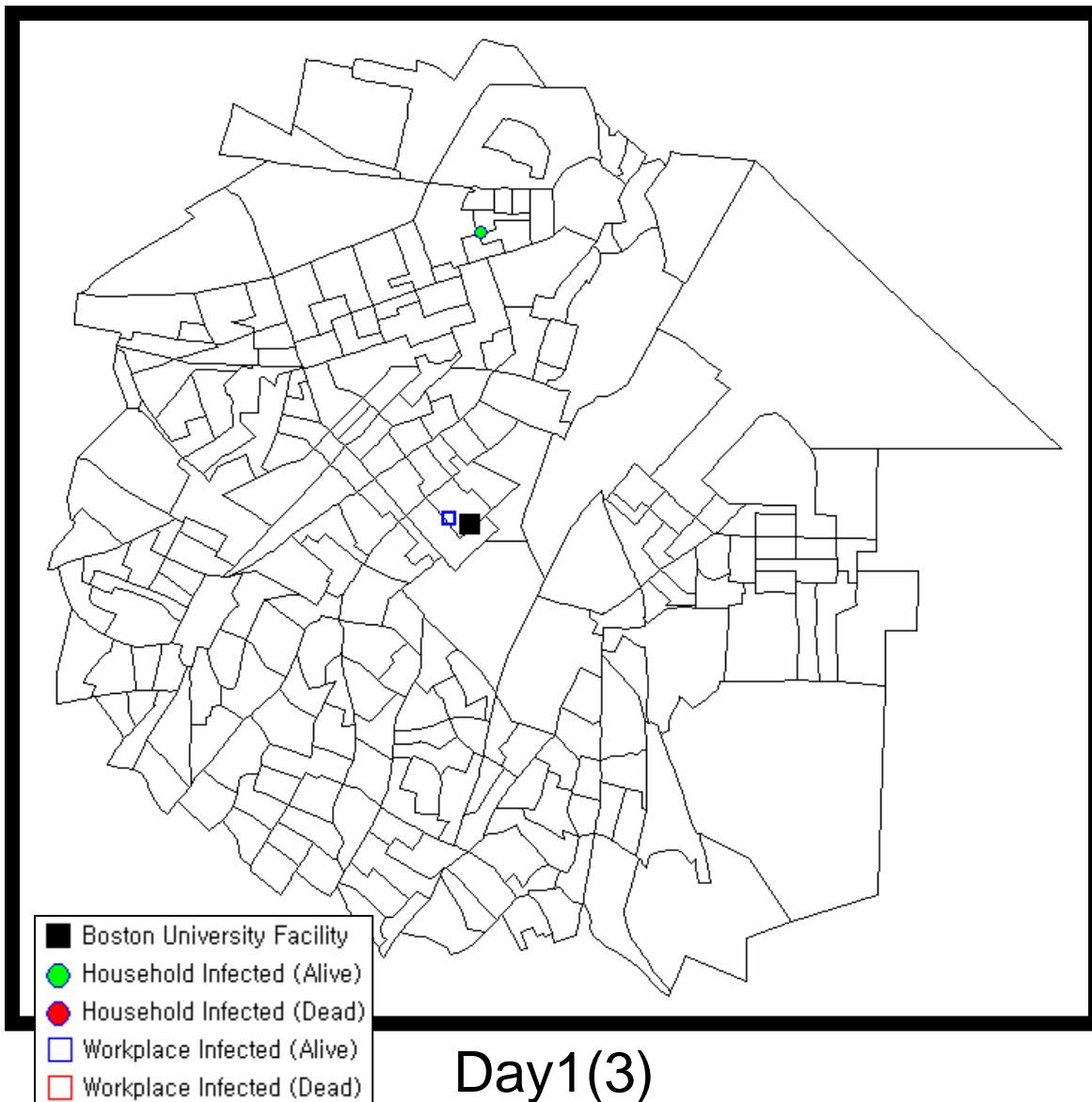
**Monkeypox (Peterborough)**

## **Monkeypox (BUMC)**

## Scientist

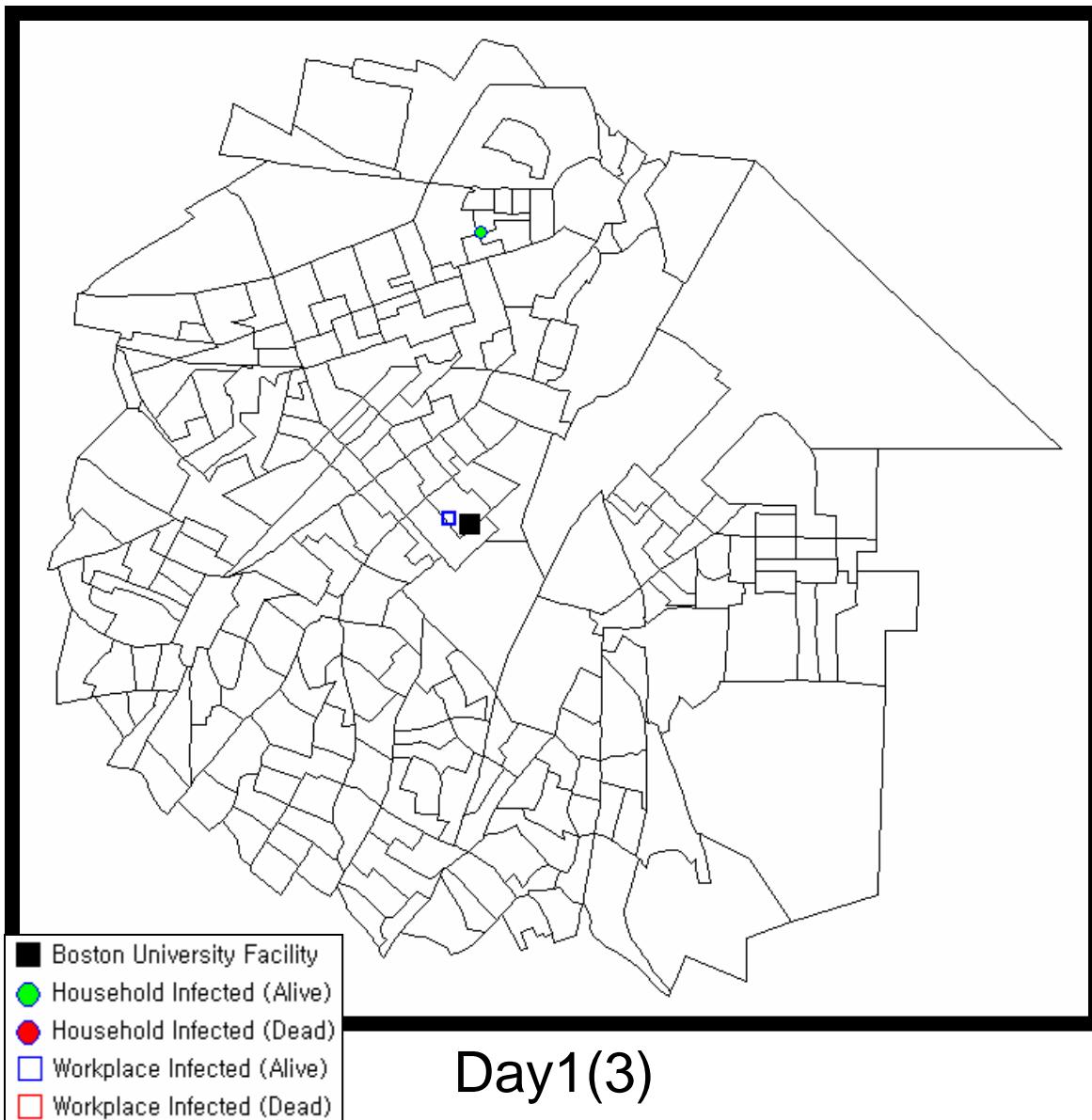


## Wife

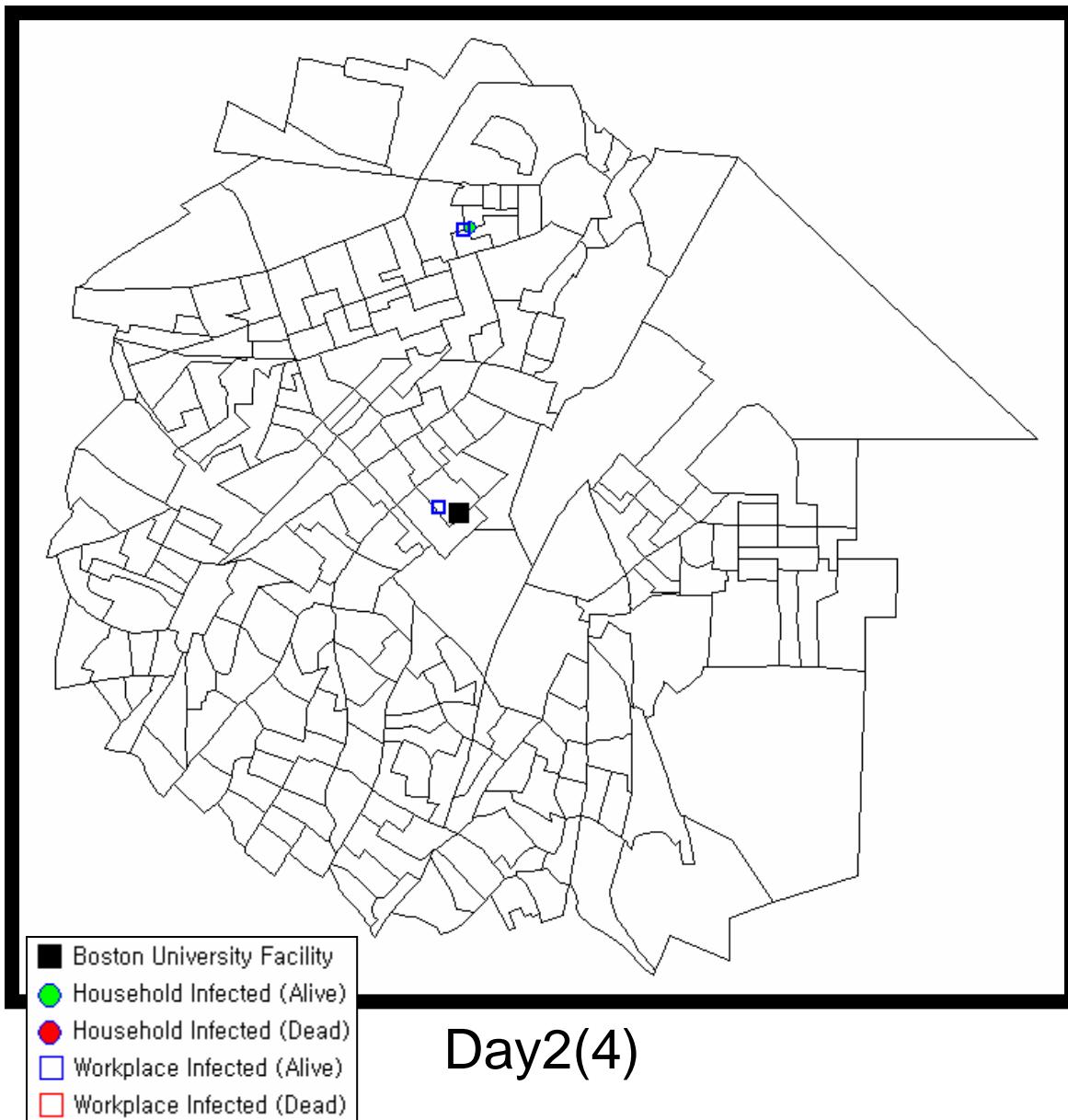


## Monkeypox (BUMC)

## Daughter

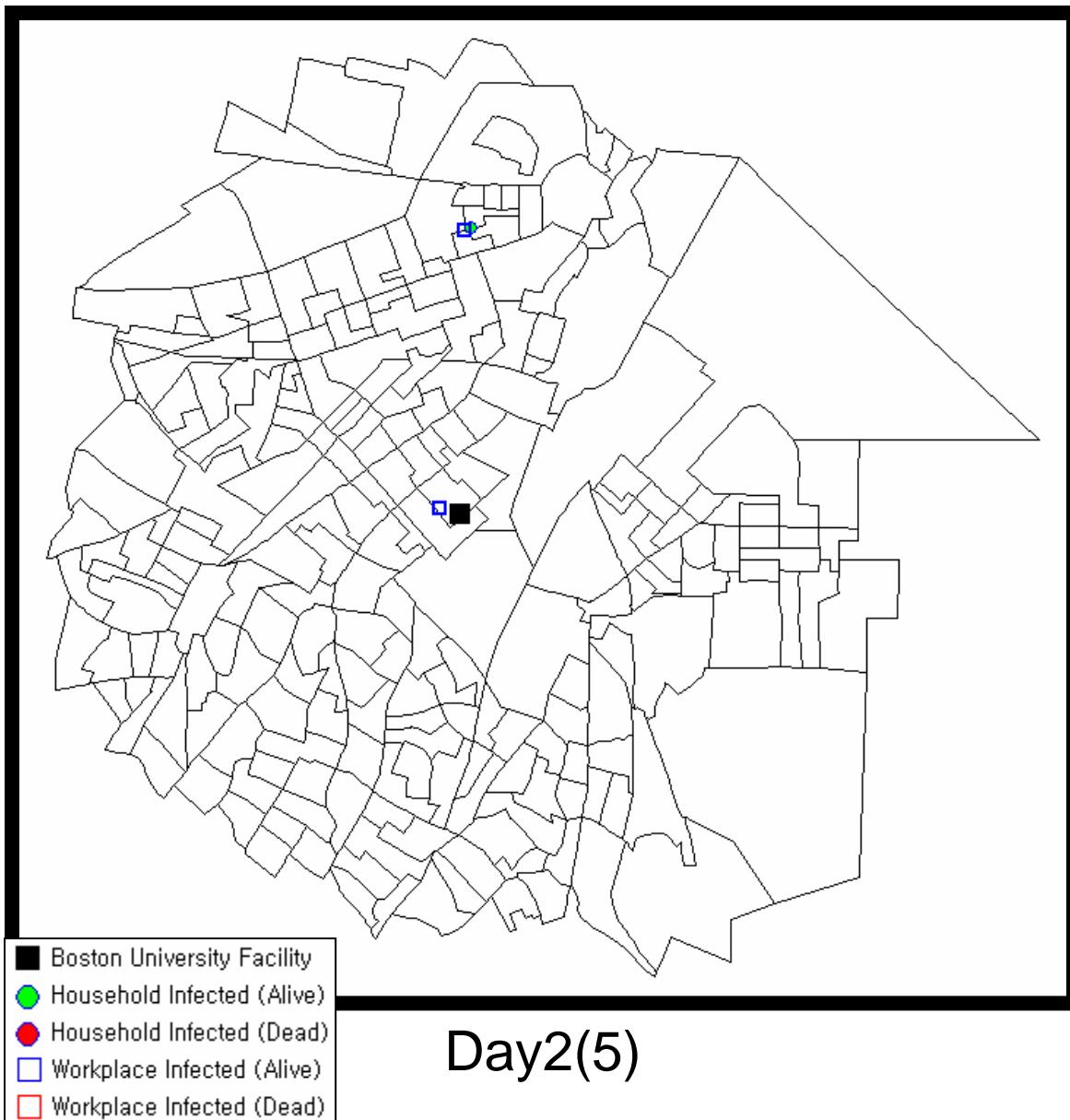


## Daughter's Classmate 1



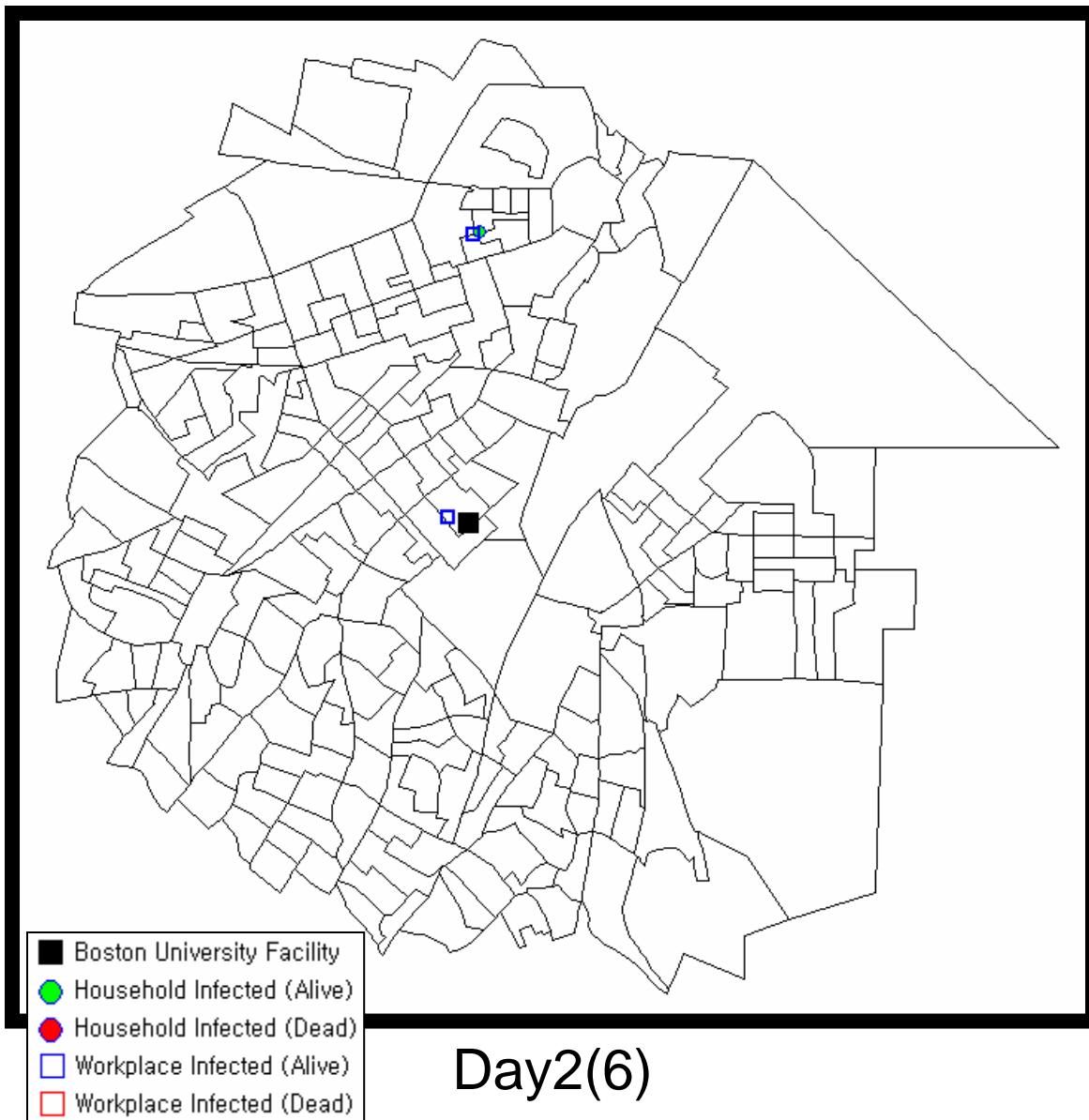
## Monkeypox (BUMC)

## Daughter's Classmate 2



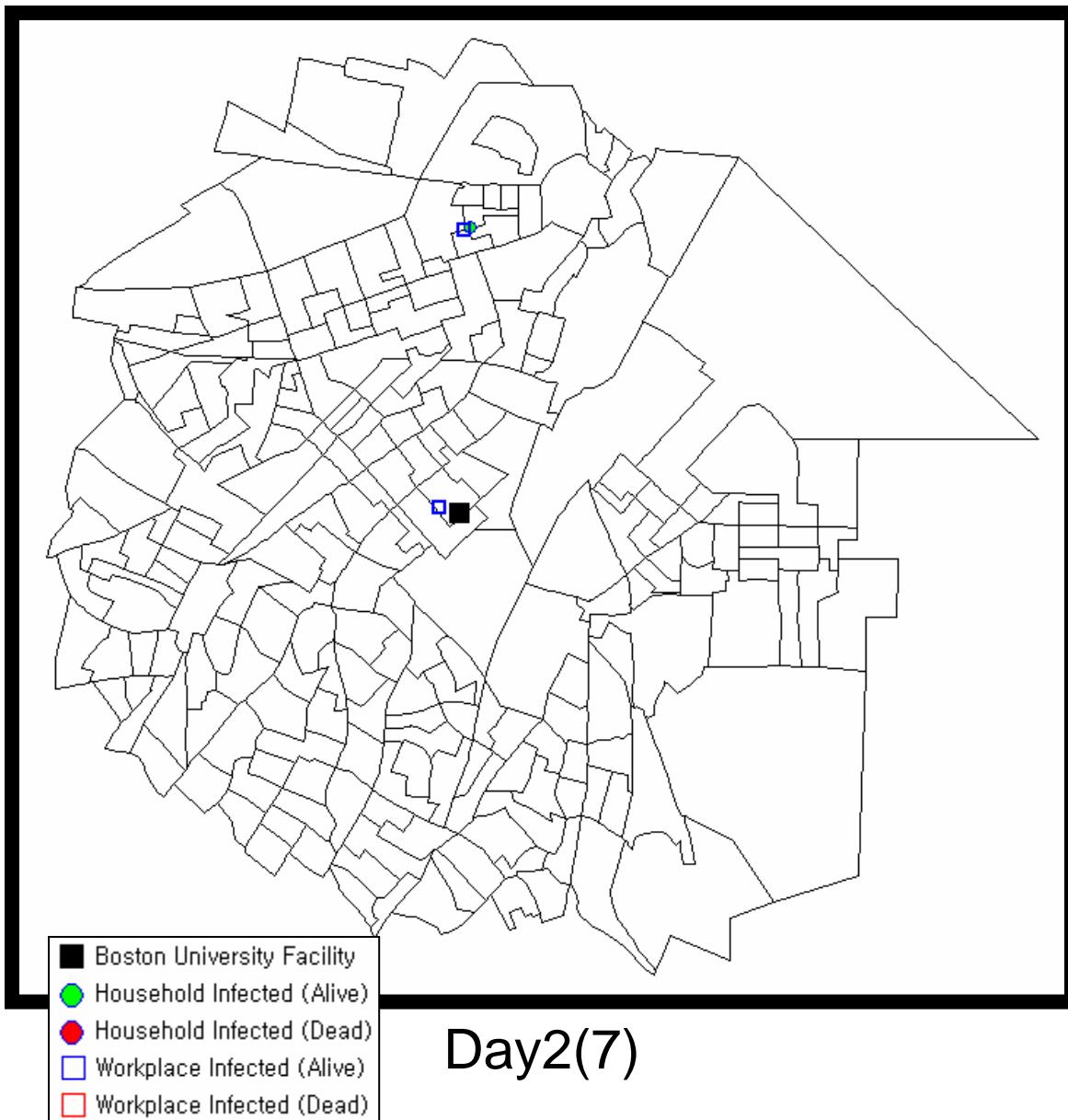
**Monkeypox (BUMC)**

## Daughter's Classmate 3



## Monkeypox (BUMC)

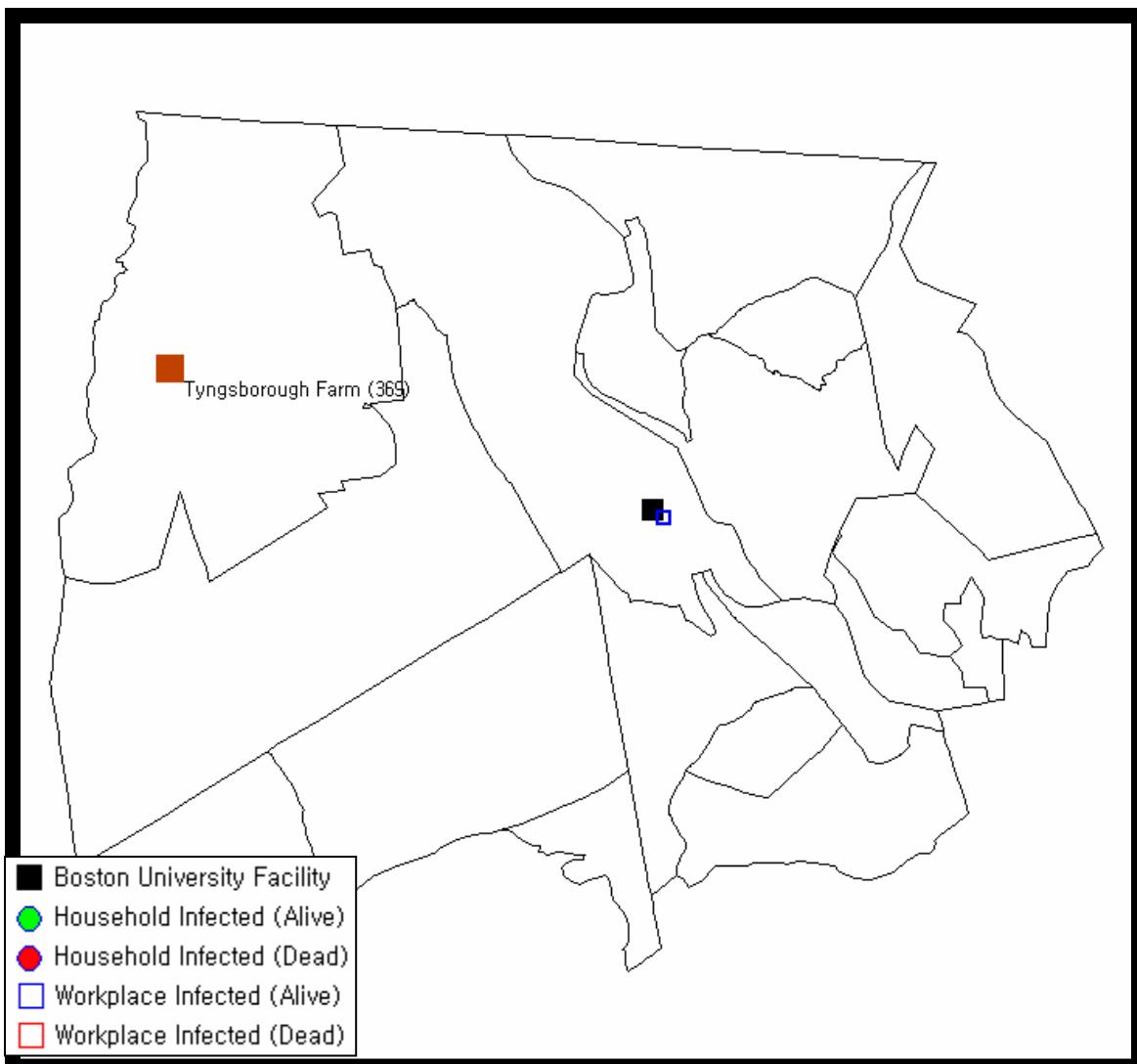
## Daughter's Classmate 4



**Monkeypox (BUMC)**

## **Monkeypox (Tyngsborough)**

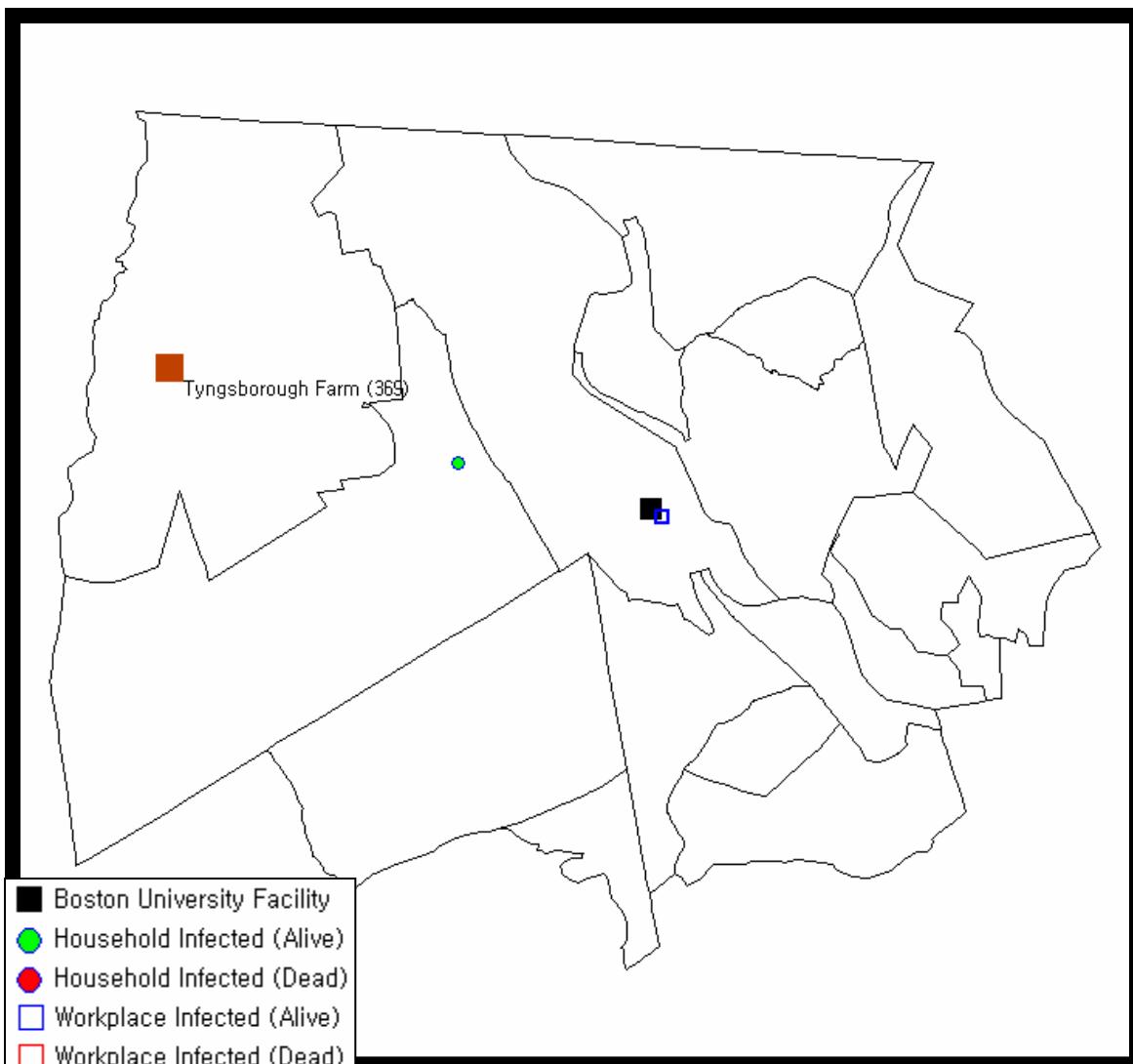
## Scientist



Day0(1)

## Monkeypox (Tyngsborough)

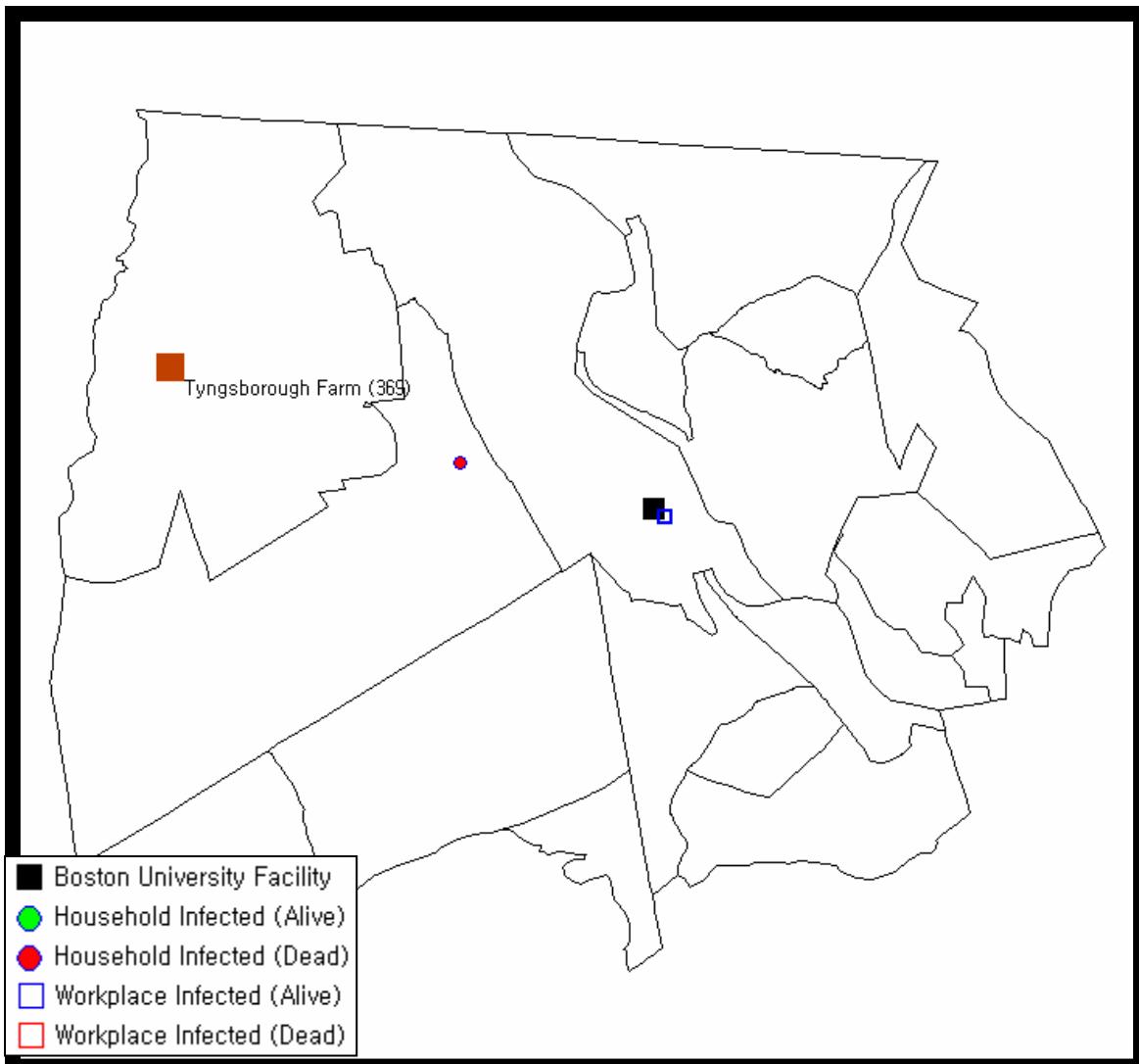
## Wife



Day1(2)

## Monkeypox (Tyngsborough)

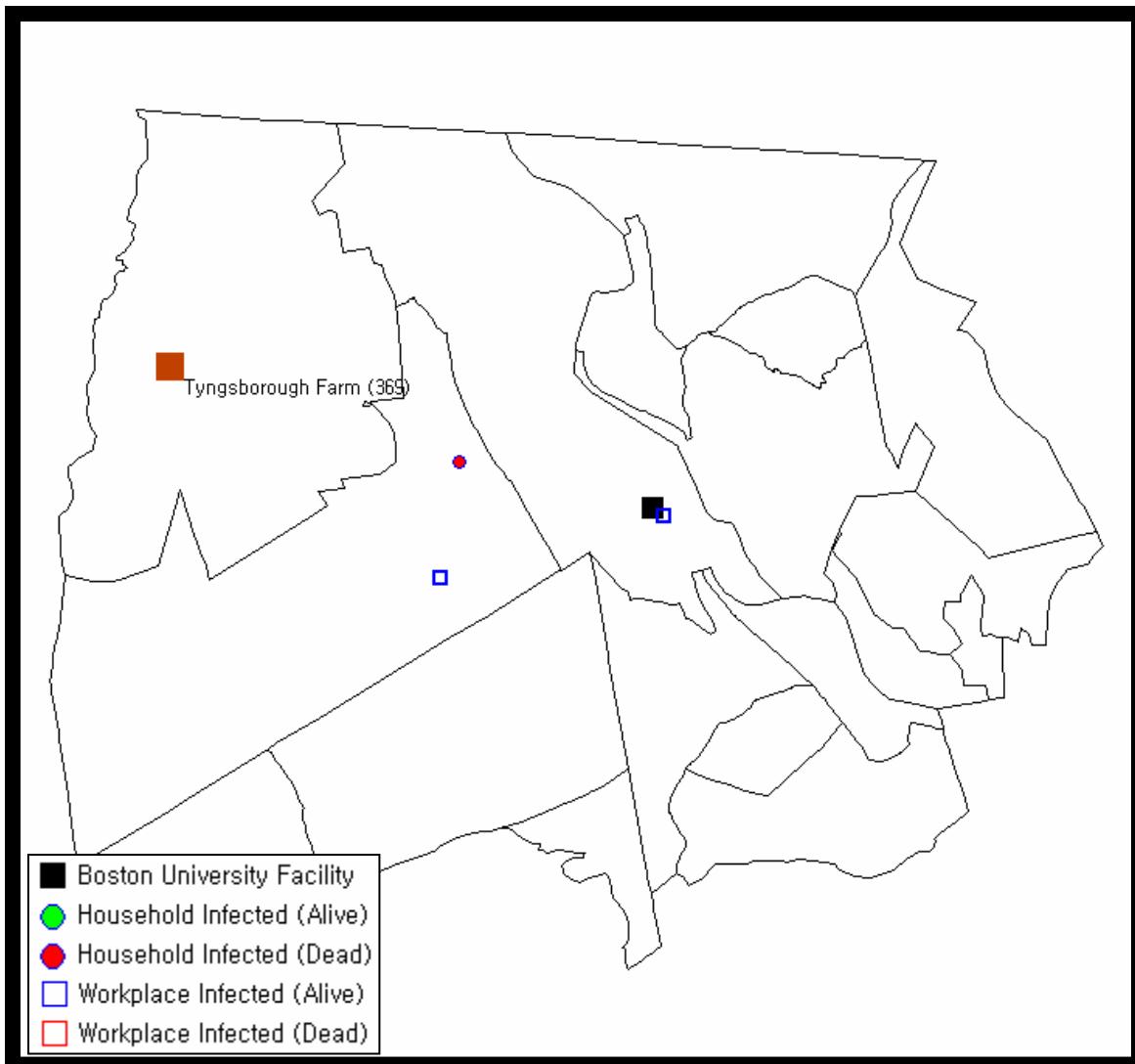
## Daughter



Day1(3)

**Monkeypox (Tyngsborough)**

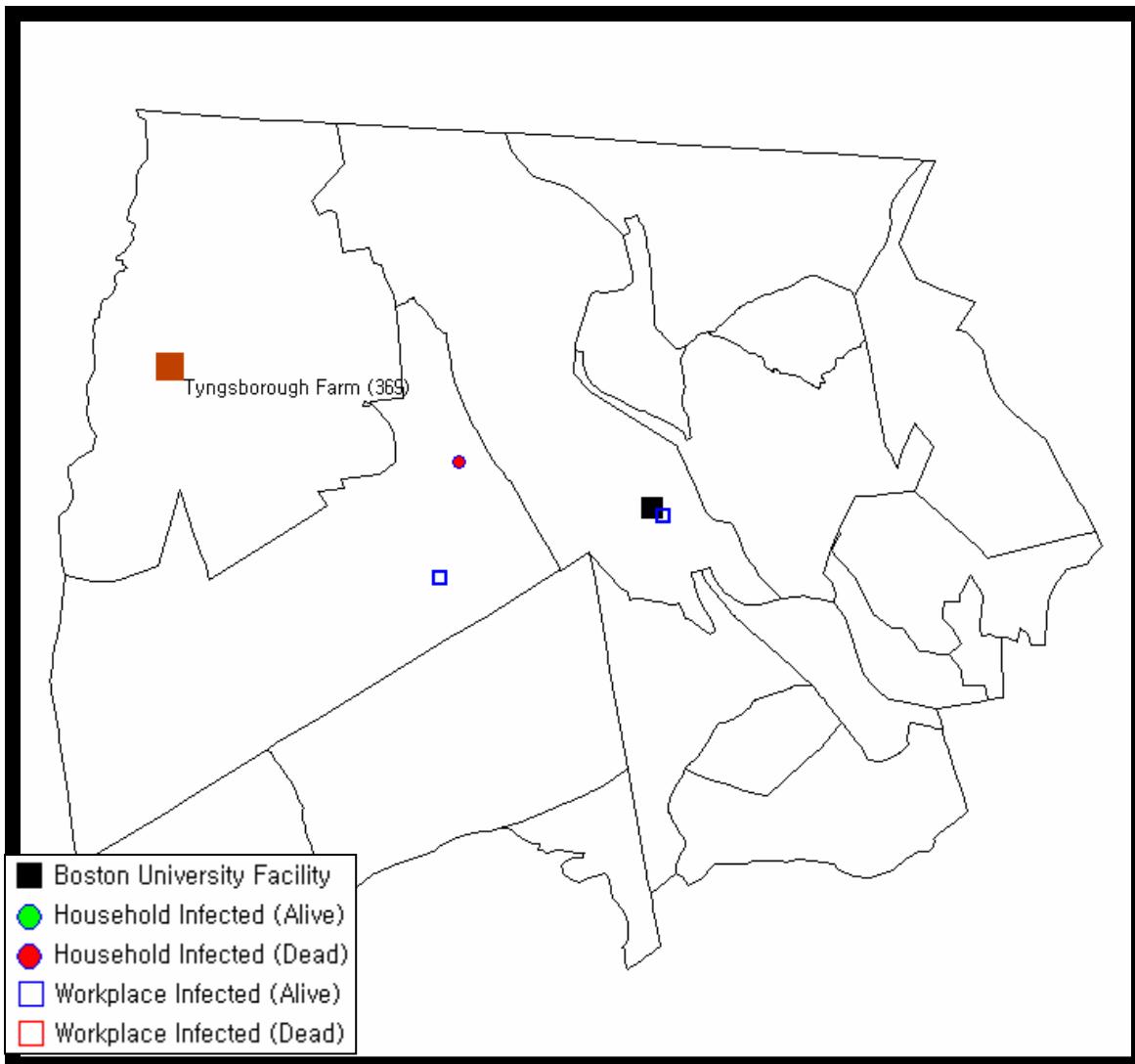
## Daughter's Classmate 1



Day17(4)

## Monkeypox (Tyngsborough)

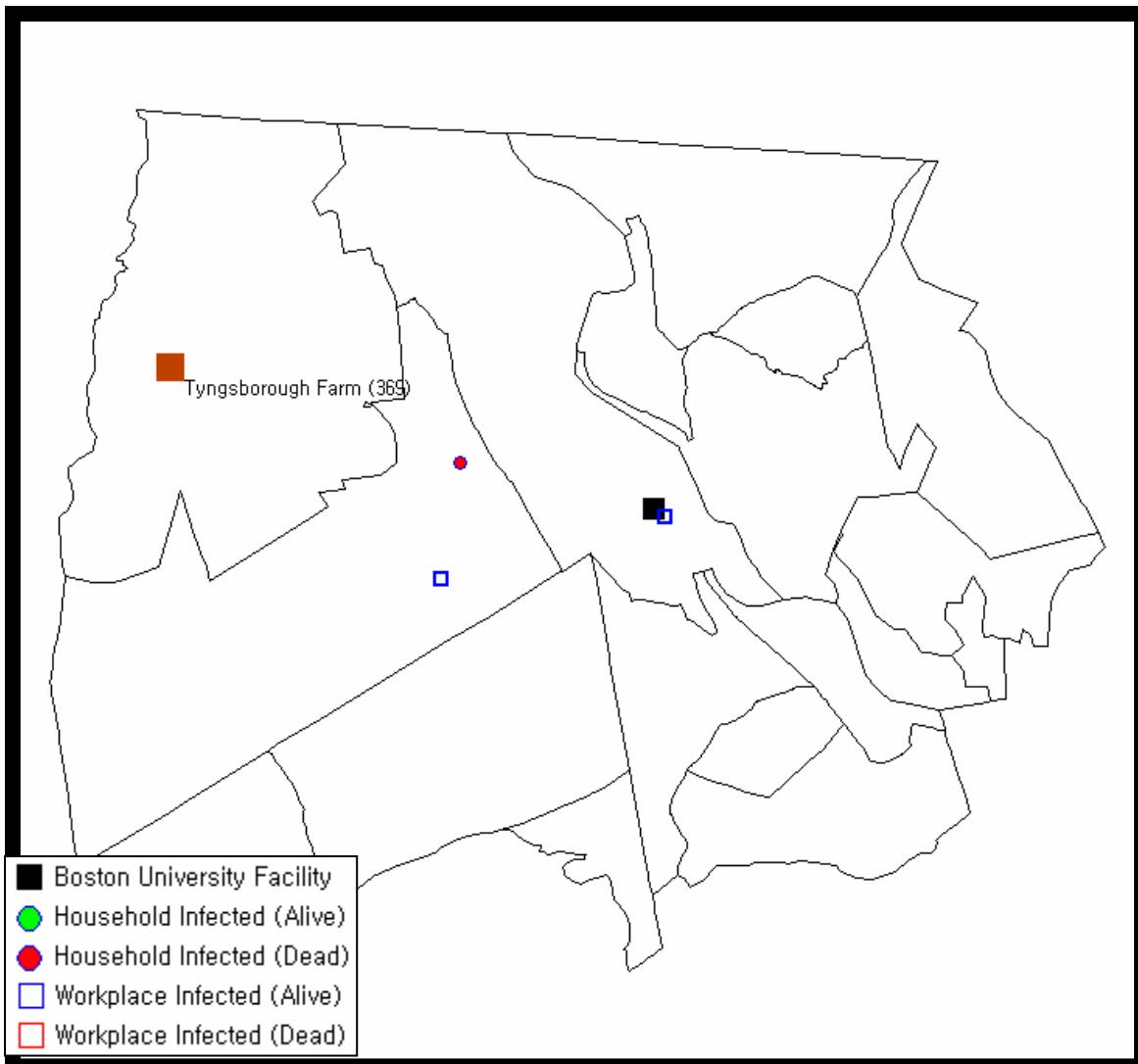
## Daughter's Classmate 2



Day17(5)

## Monkeypox (Tyngsborough)

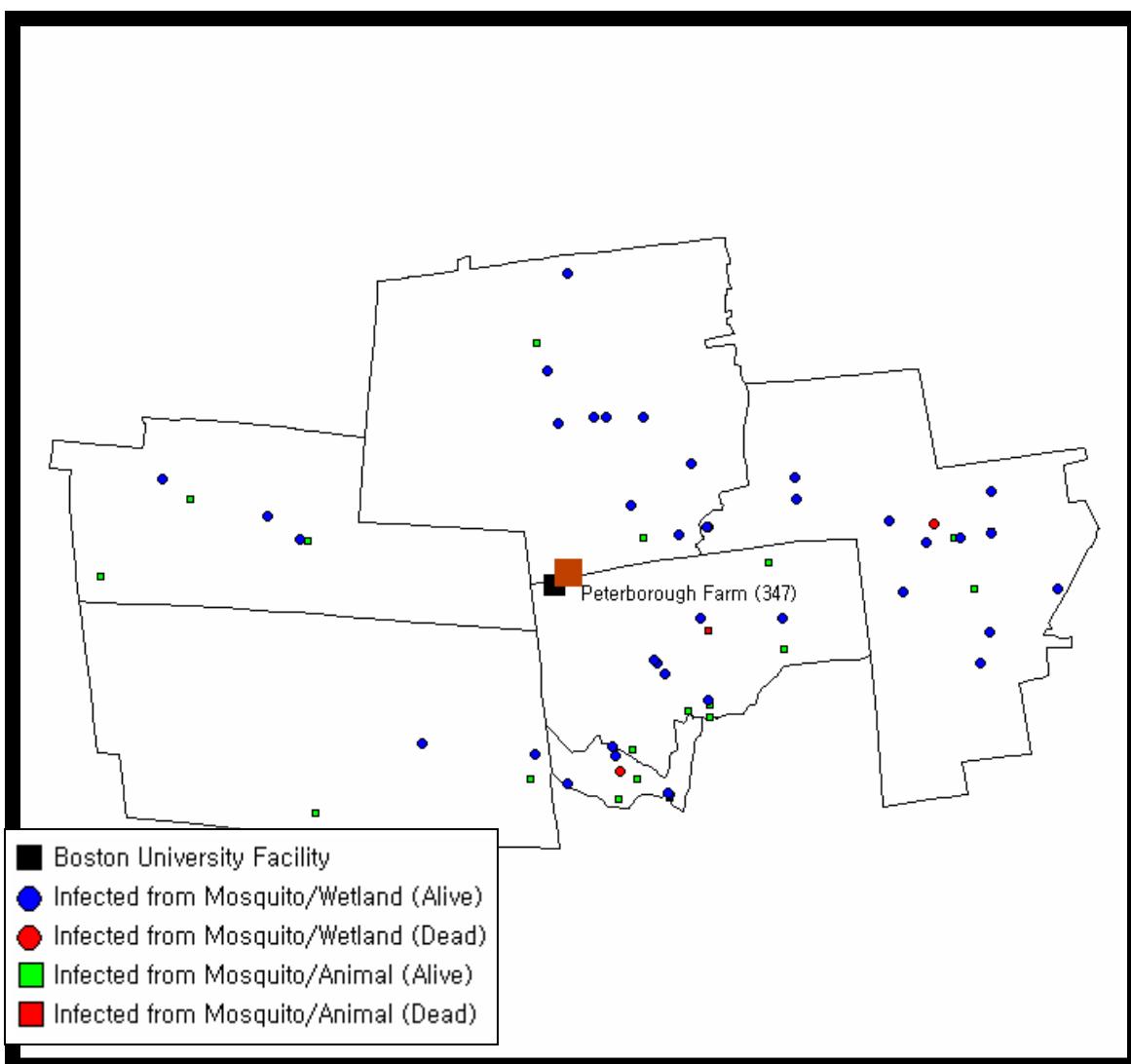
## Daughter's Classmate 3



Day17(6)

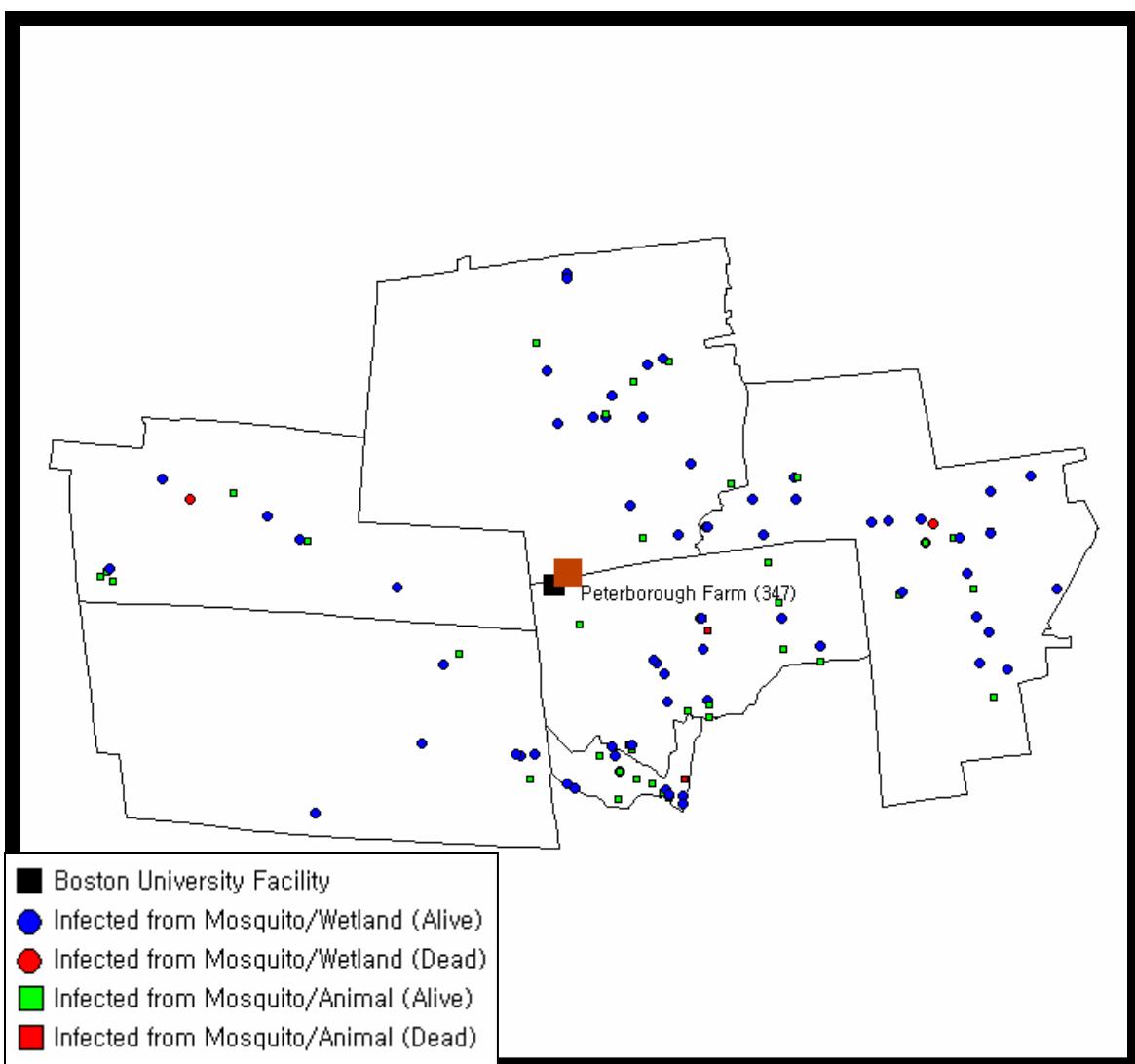
**Monkeypox (Tyngsborough)**

## Rift Valley (Peterborough)



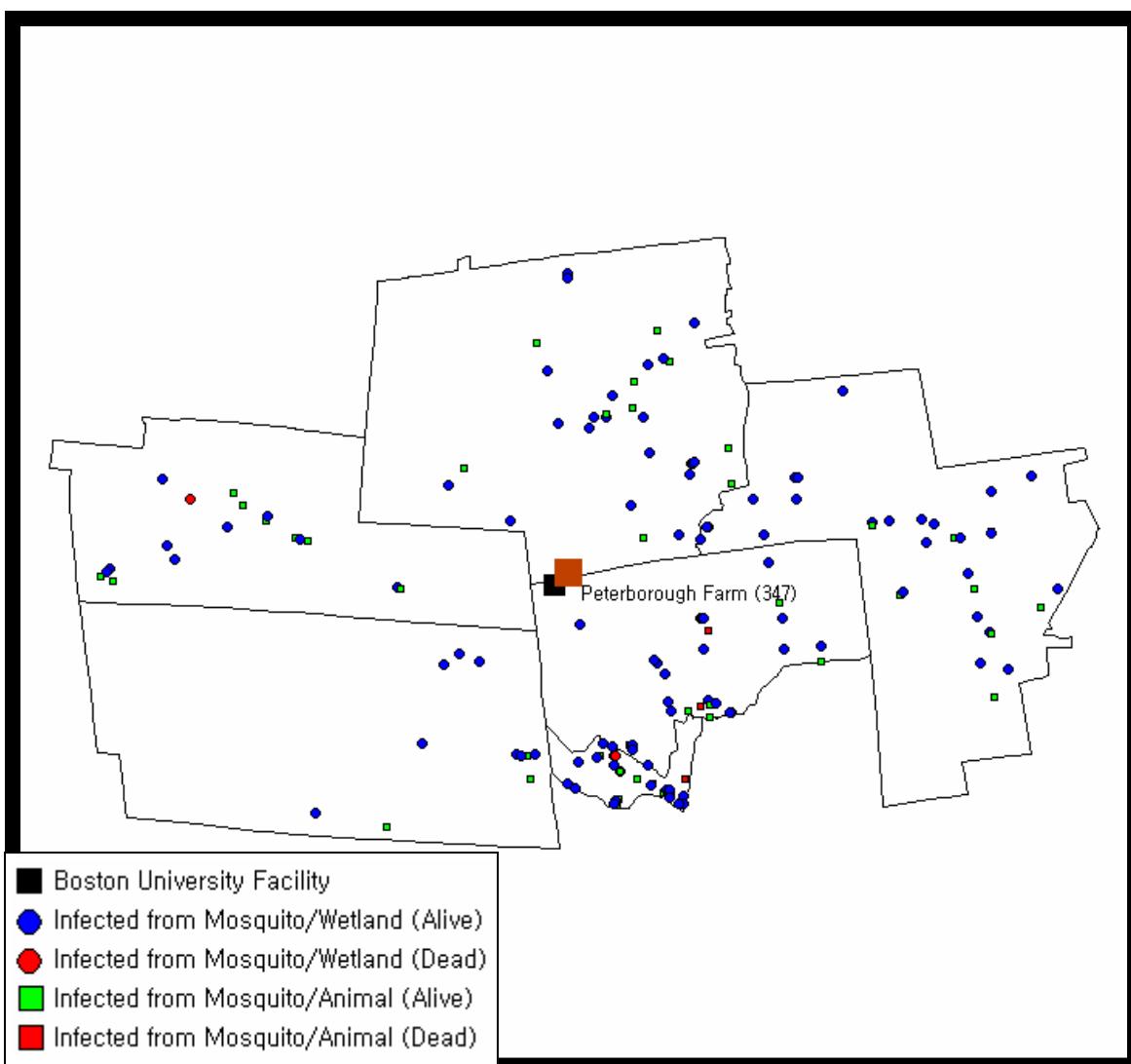
Day1[Infected(#)][Dead(#)]\_(83)(3)

### Rift Valley (Peterborough)



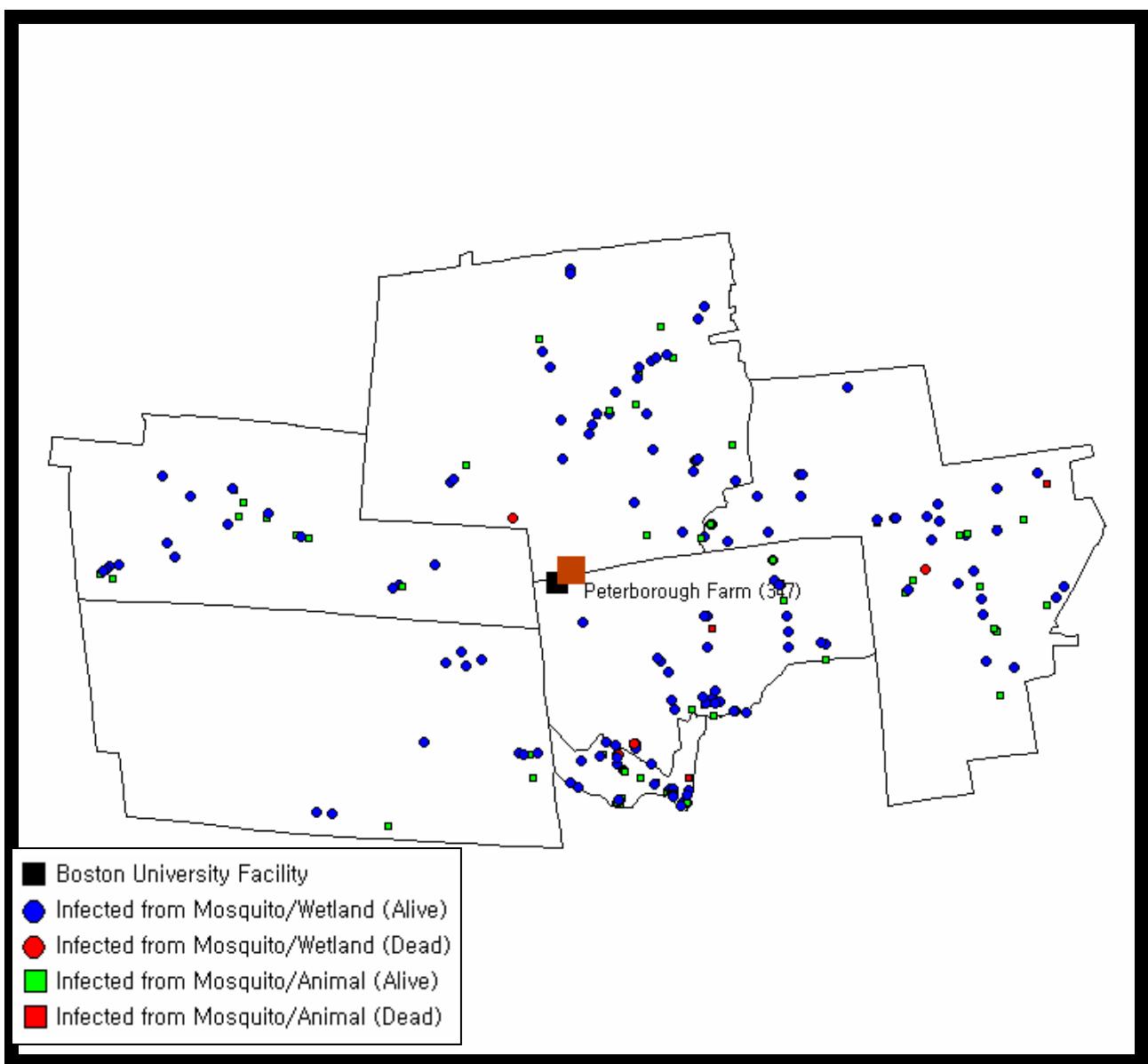
Day2[Infected(#)][Dead(#)]\_(87)(2)

### Rift Valley (Peterborough)



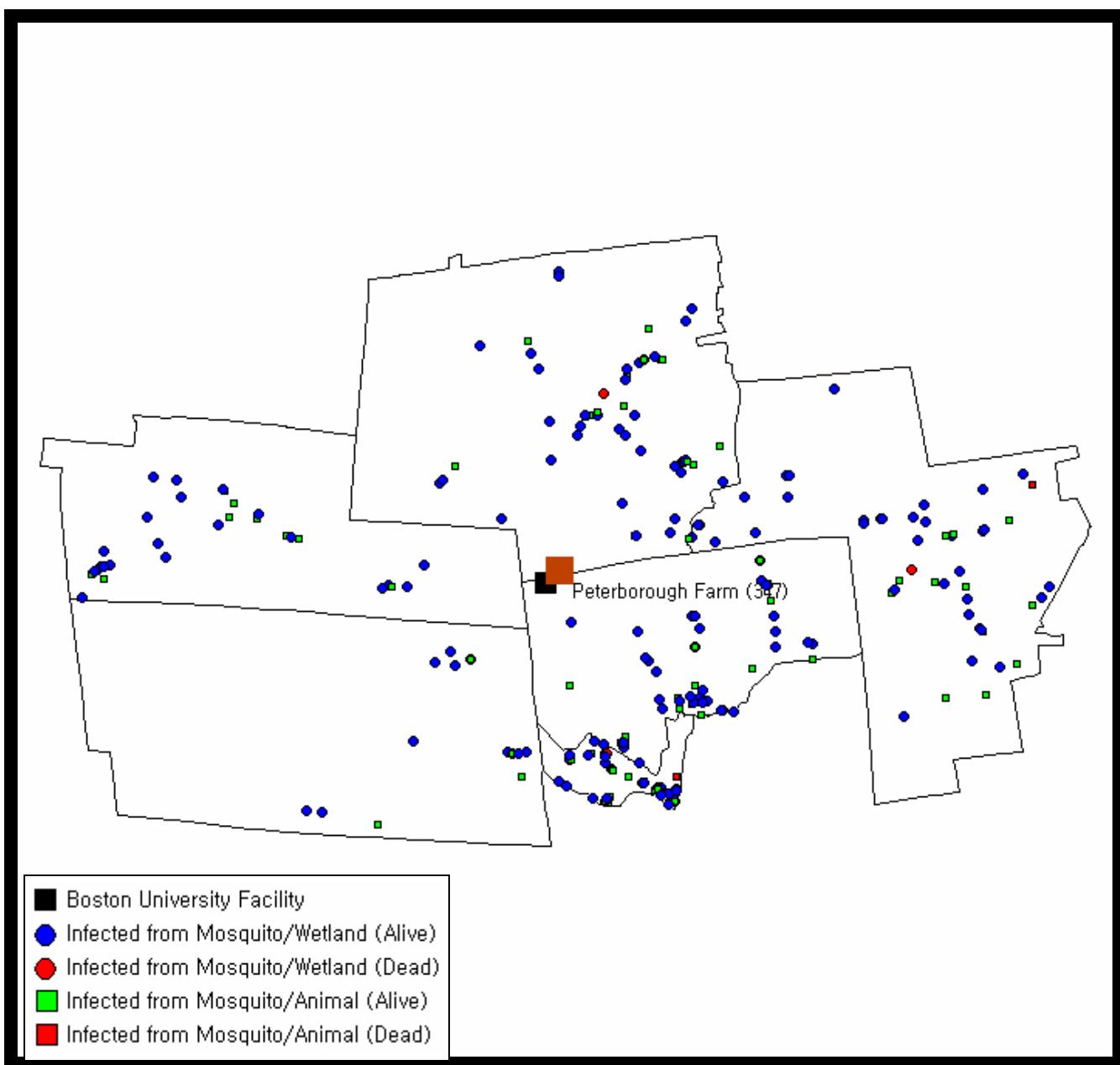
Day3[Infected(#)][Dead(#)]\_(95)(5)

### Rift Valley (Peterborough)



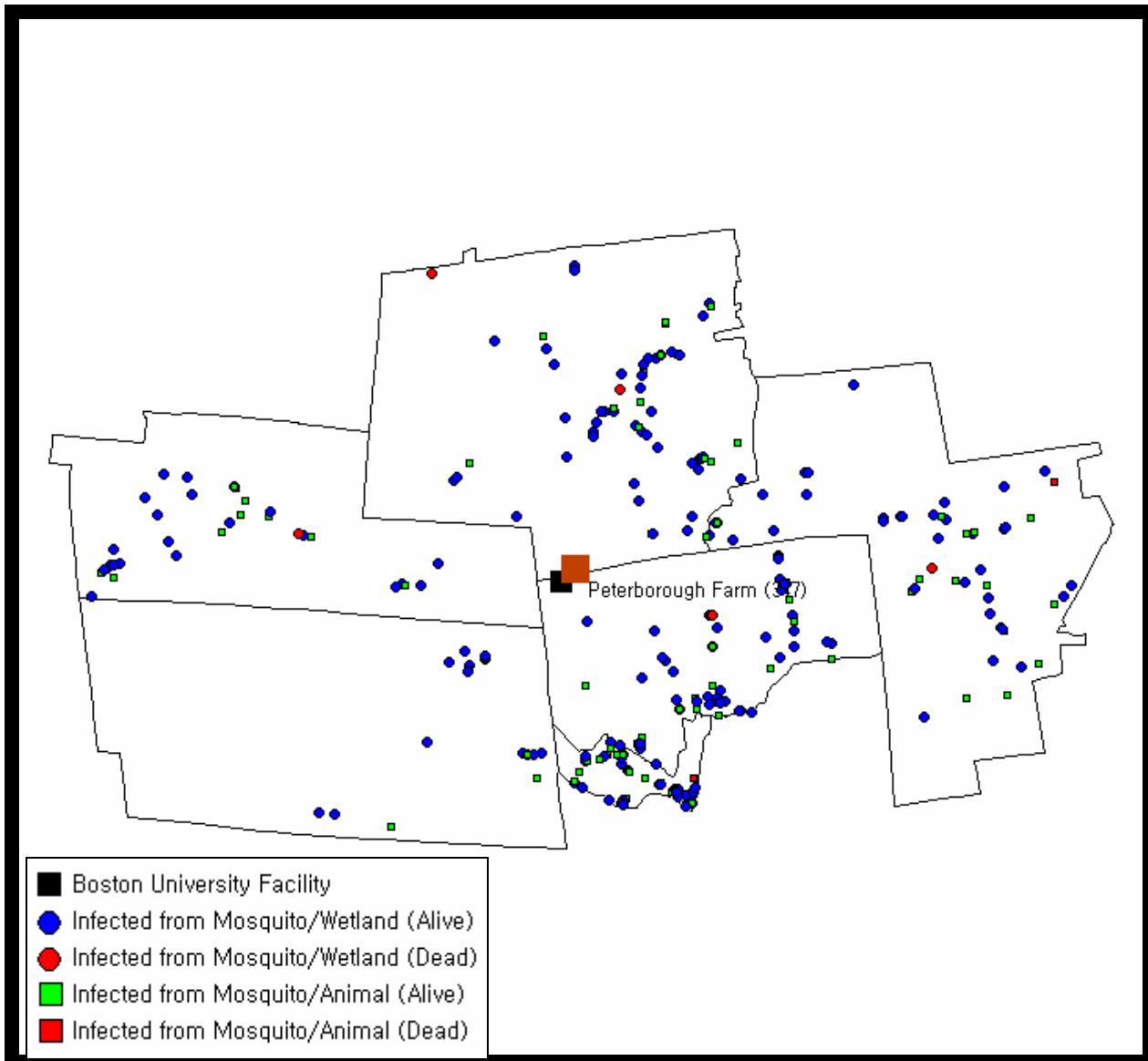
Day4[Infected(#)][Dead(#)]\_(92)(5)

**Rift Valley (Peterborough)**



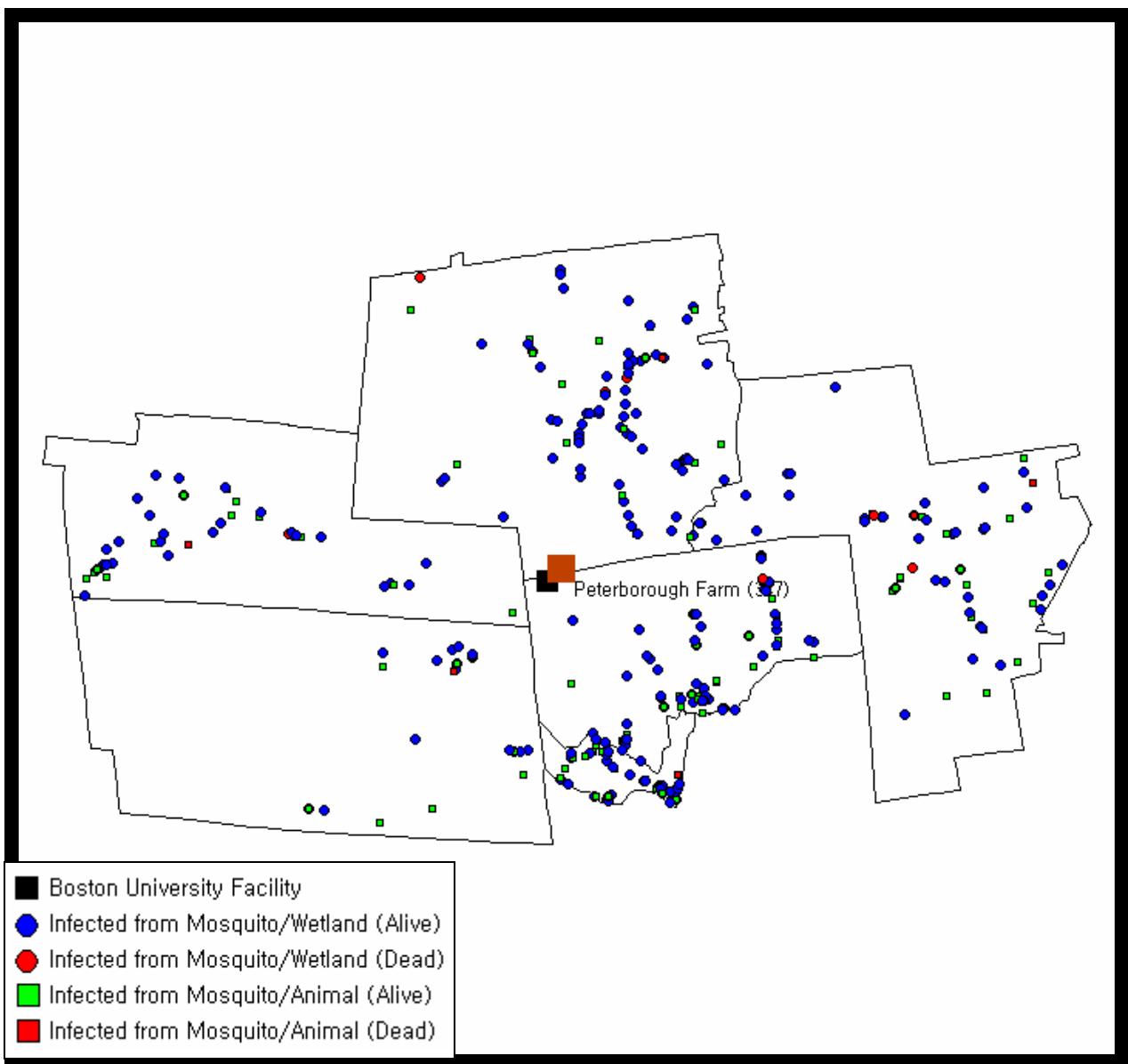
Day5[Infected(#)][Dead(#)]\_(80)(3)

**Rift Valley (Peterborough)**



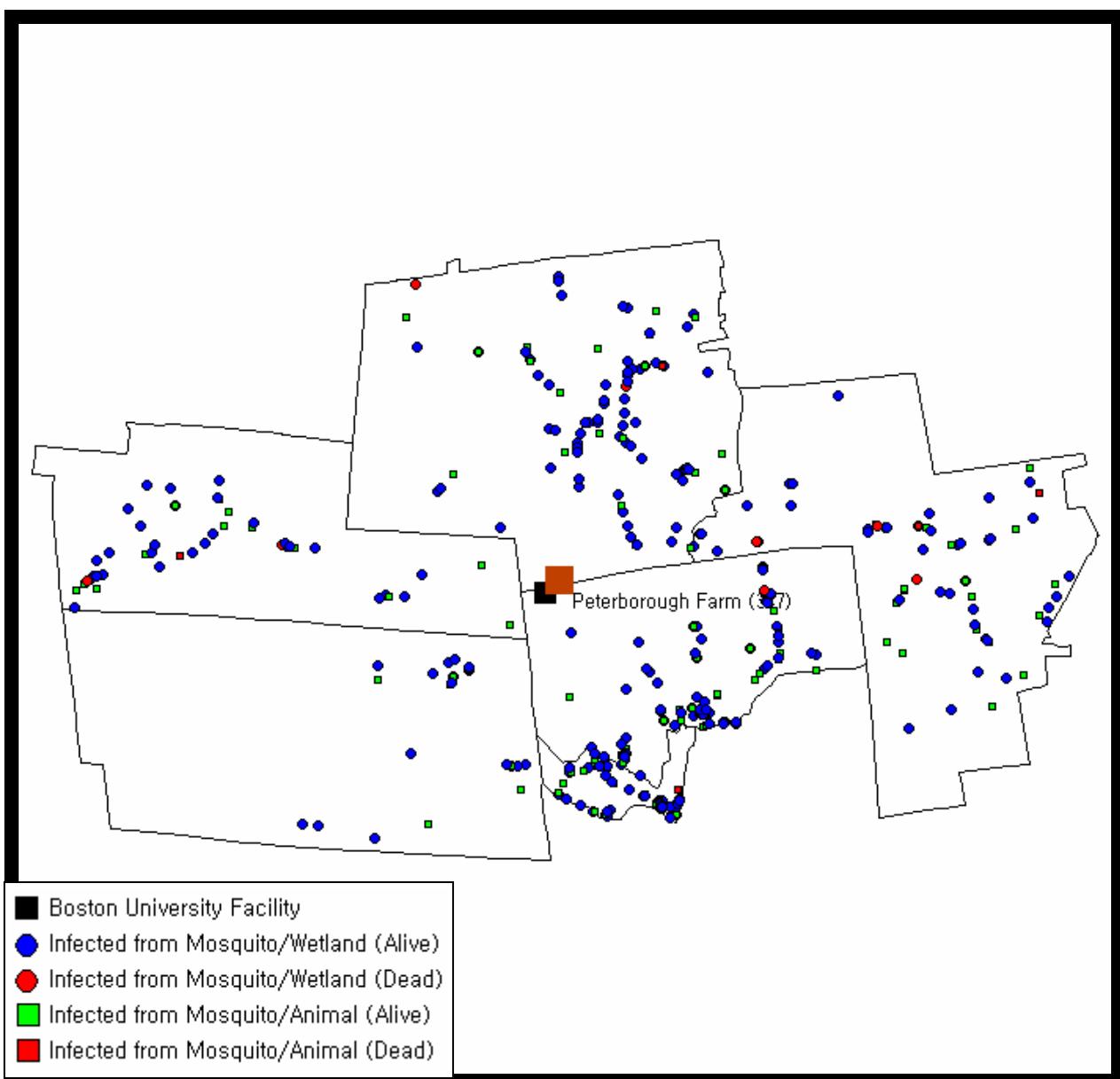
Day6[Infected(#)][Dead(#)]\_(82)(6)

## Rift Valley (Peterborough)



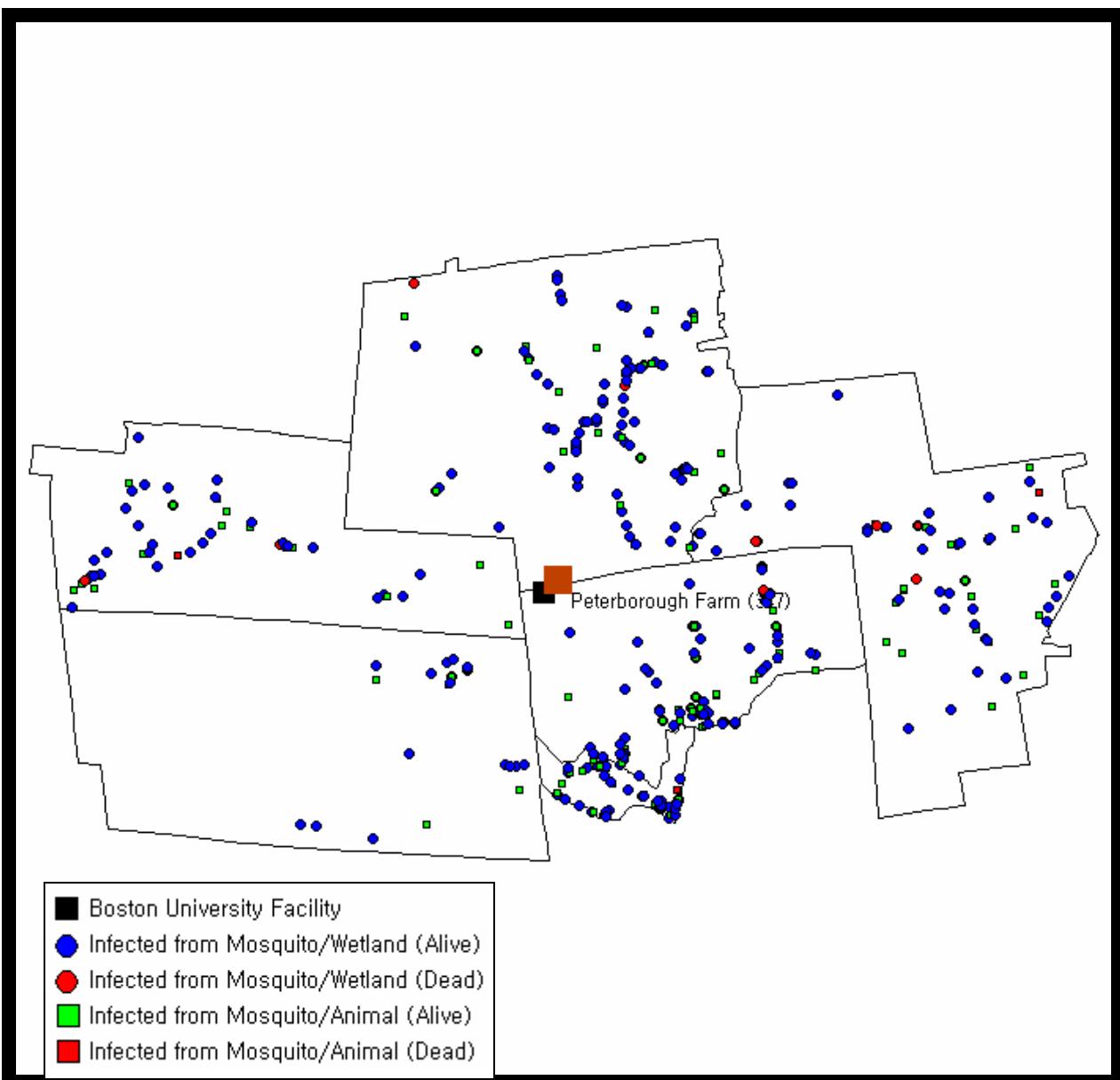
Day8[Infected(#)][Dead(#)]\_(103)(4)

### Rift Valley (Peterborough)



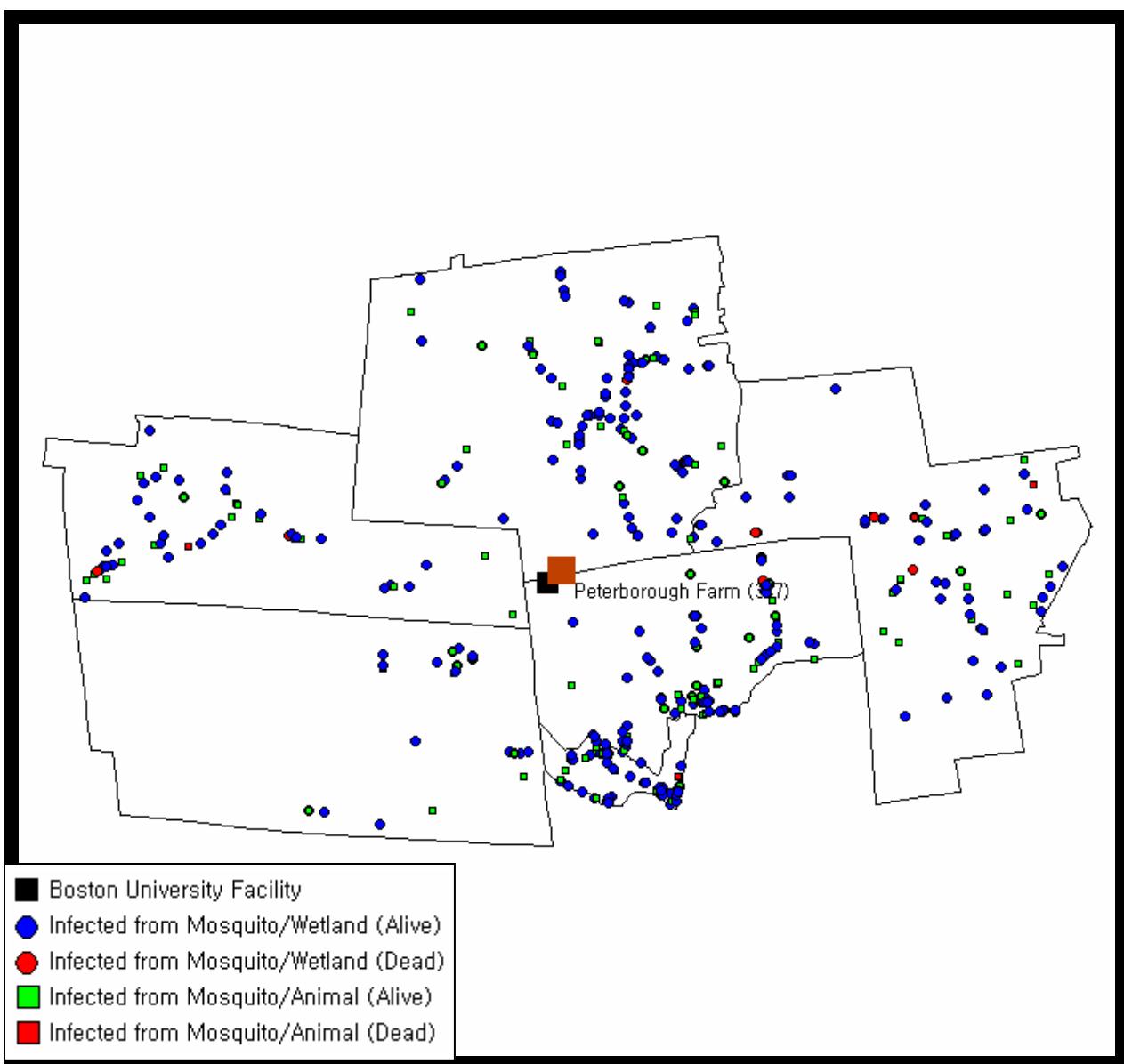
Day9[Infected(#)][Dead(#)]\_(103)(4)

### Rift Valley (Peterborough)



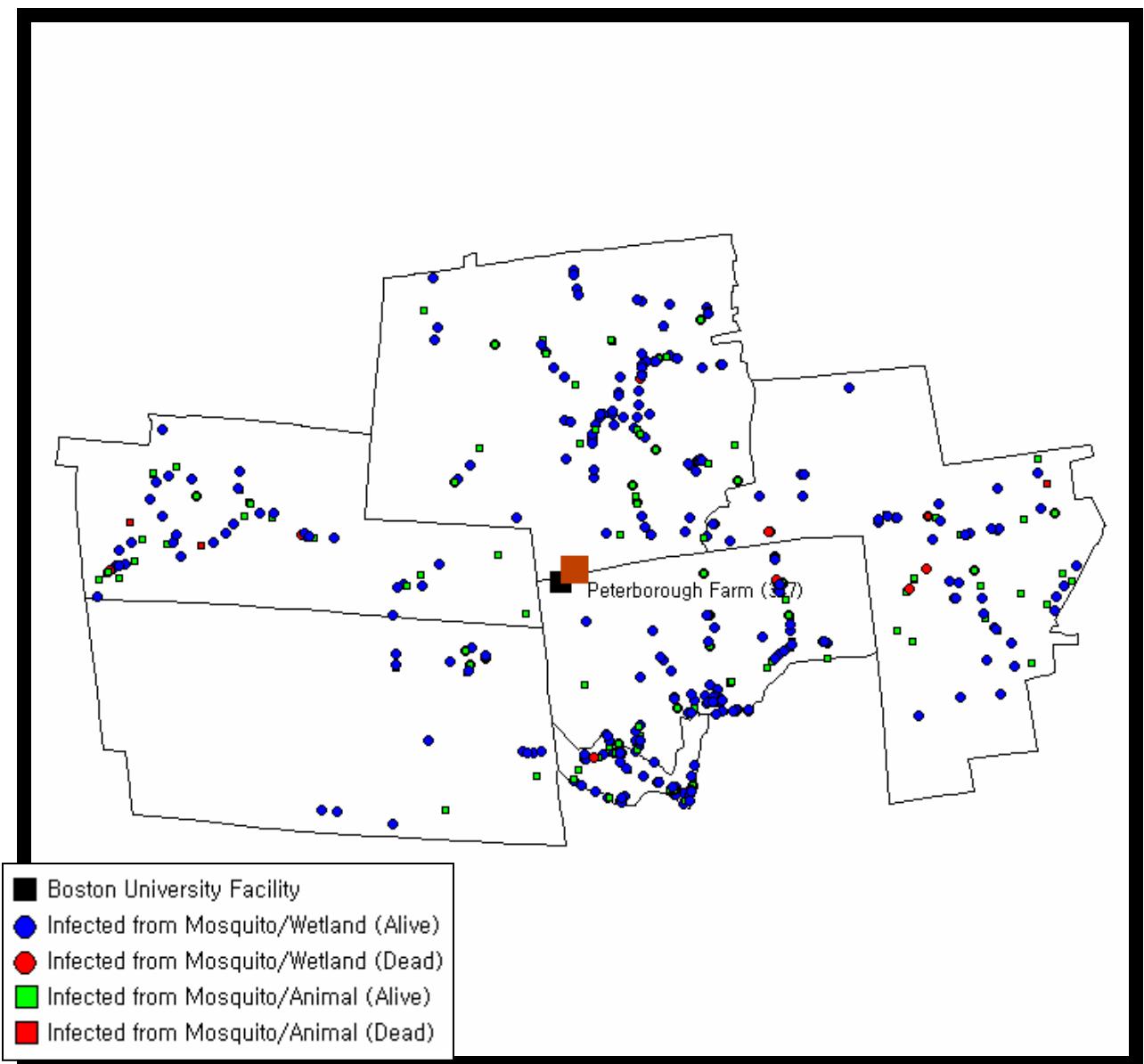
Day10[Infected(#)][Dead(#)]\_(88)(1)

## Rift Valley (Peterborough)



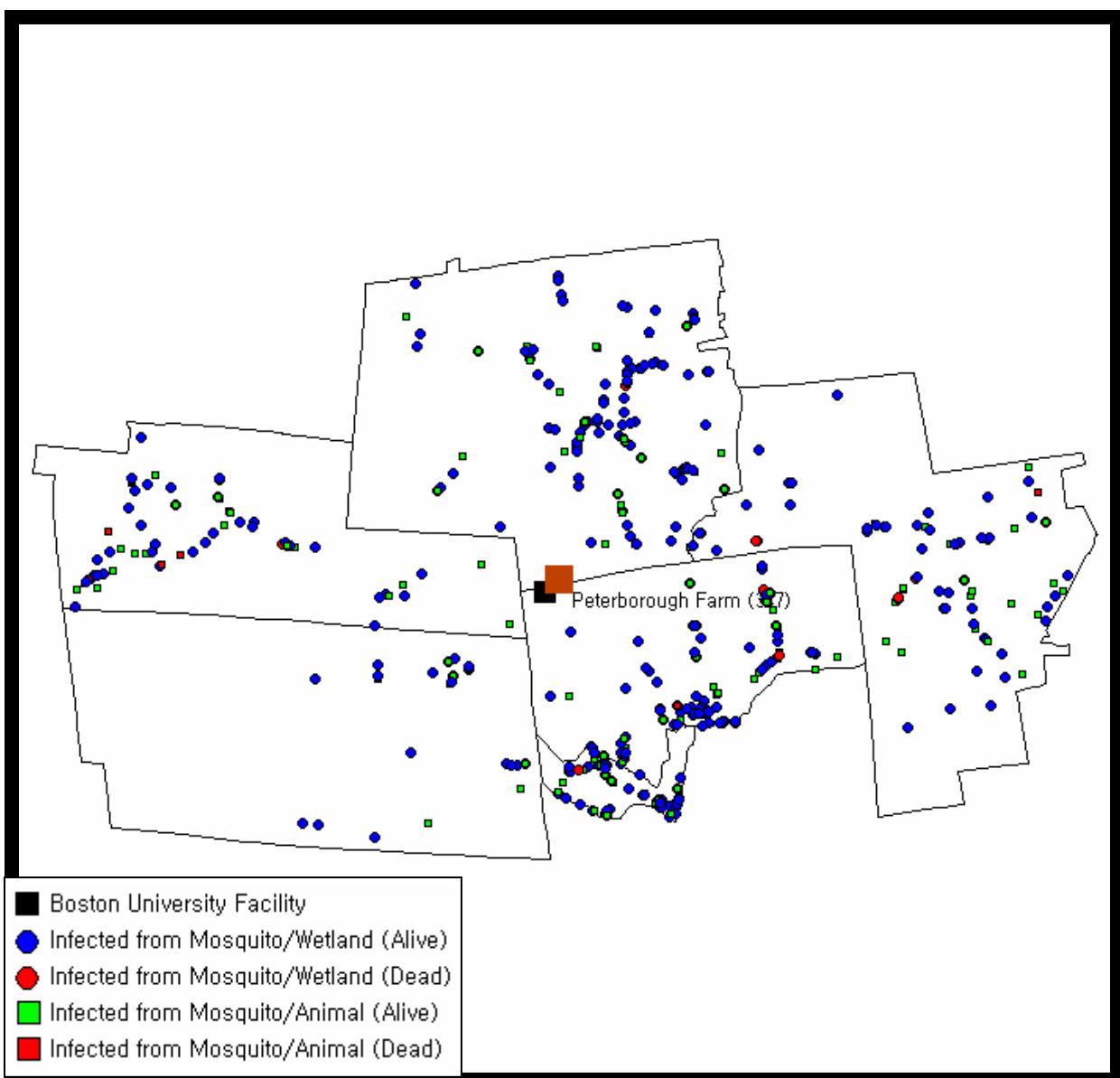
Day11[Infected(#)][Dead(#)]\_(80)(2)

### Rift Valley (Peterborough)



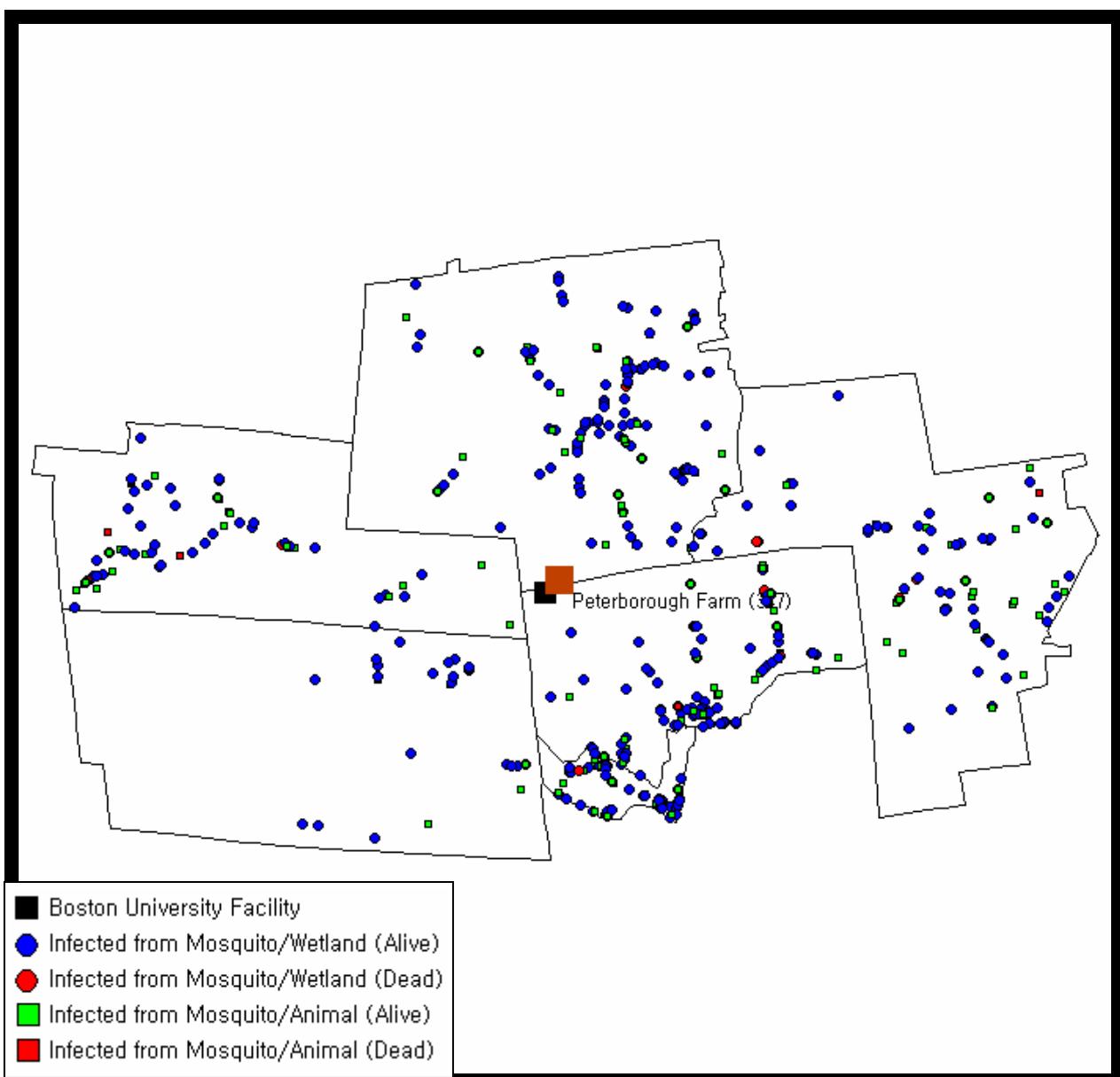
Day12[Infected(#)][Dead(#)]\_(90)(7)

### Rift Valley (Peterborough)



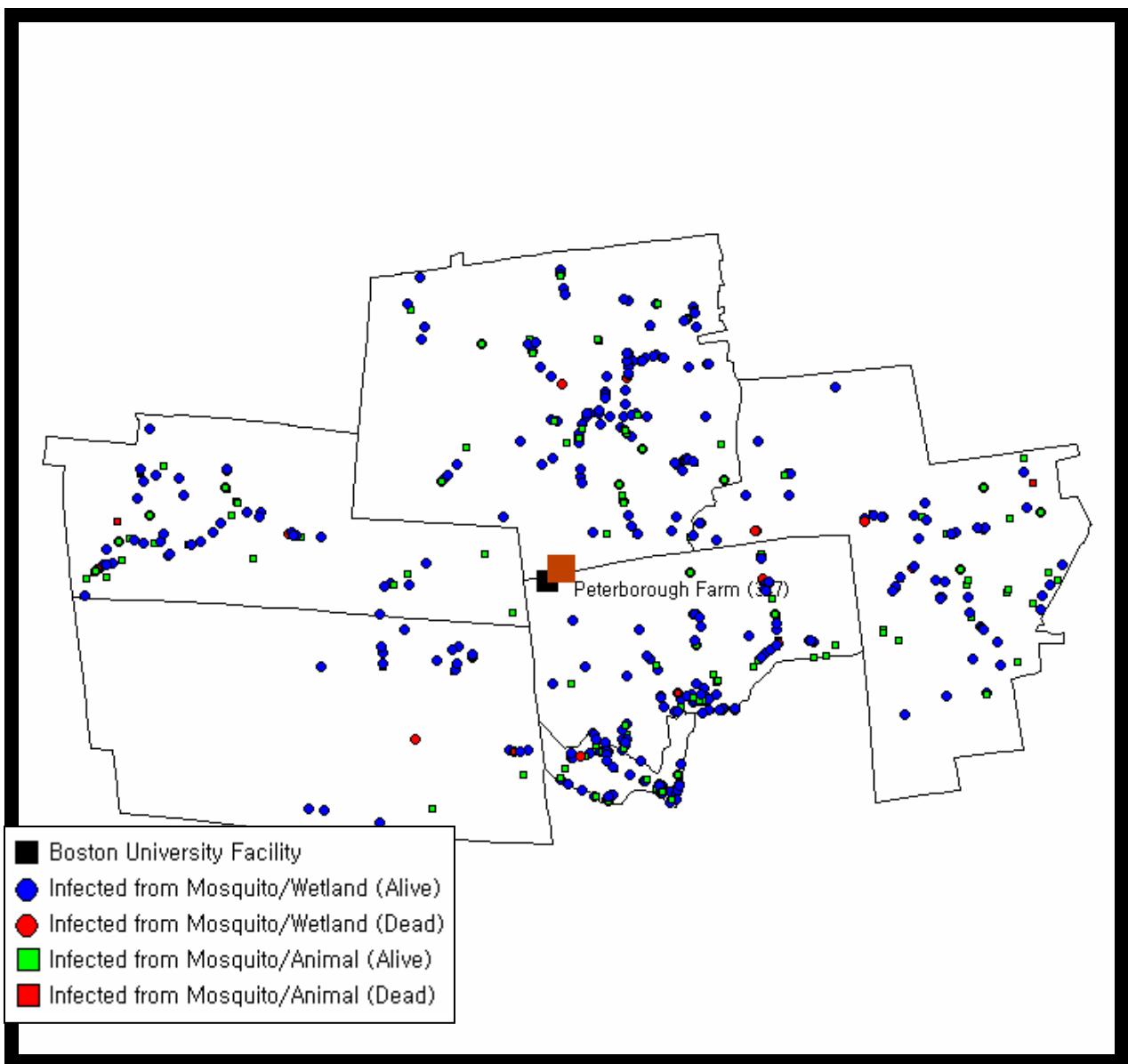
Day13[Infected(#)][Dead(#)]\_(81)(4)

### Rift Valley (Peterborough)



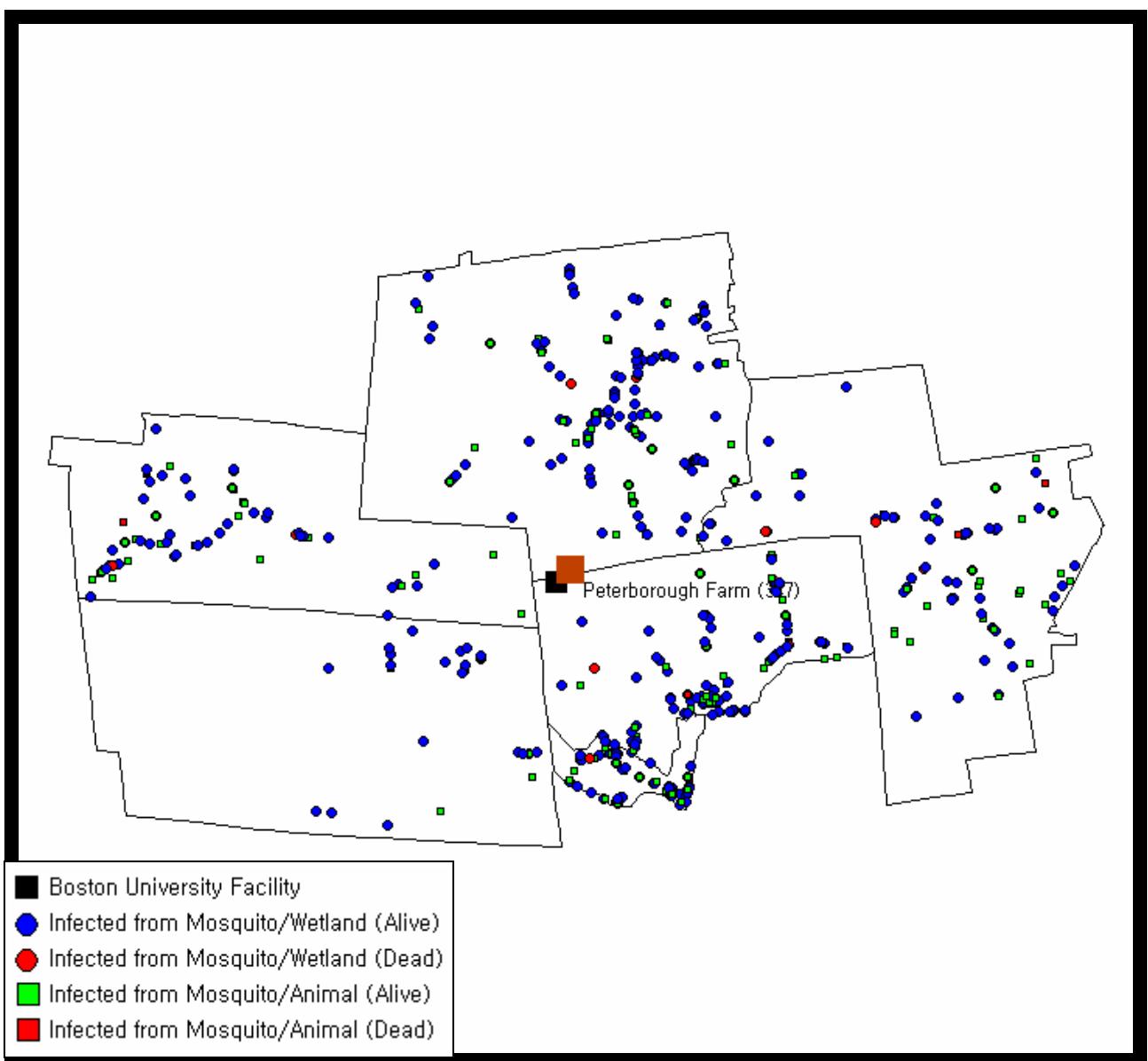
Day14[Infected(#)][Dead(#)]\_(70)(1)

### Rift Valley (Peterborough)



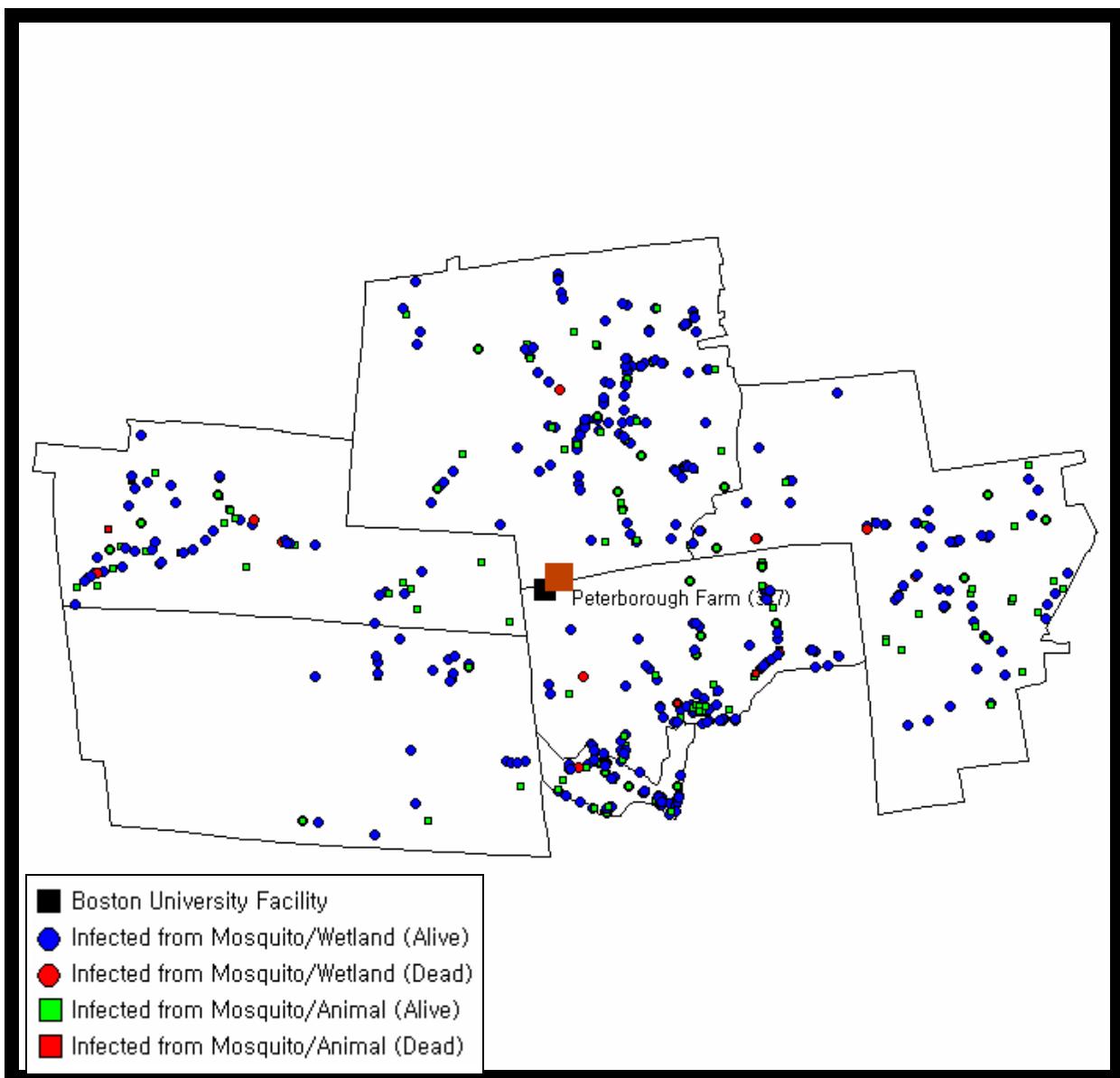
Day15[Infected(#)][Dead(#)]\_(70)(4)

### Rift Valley (Peterborough)



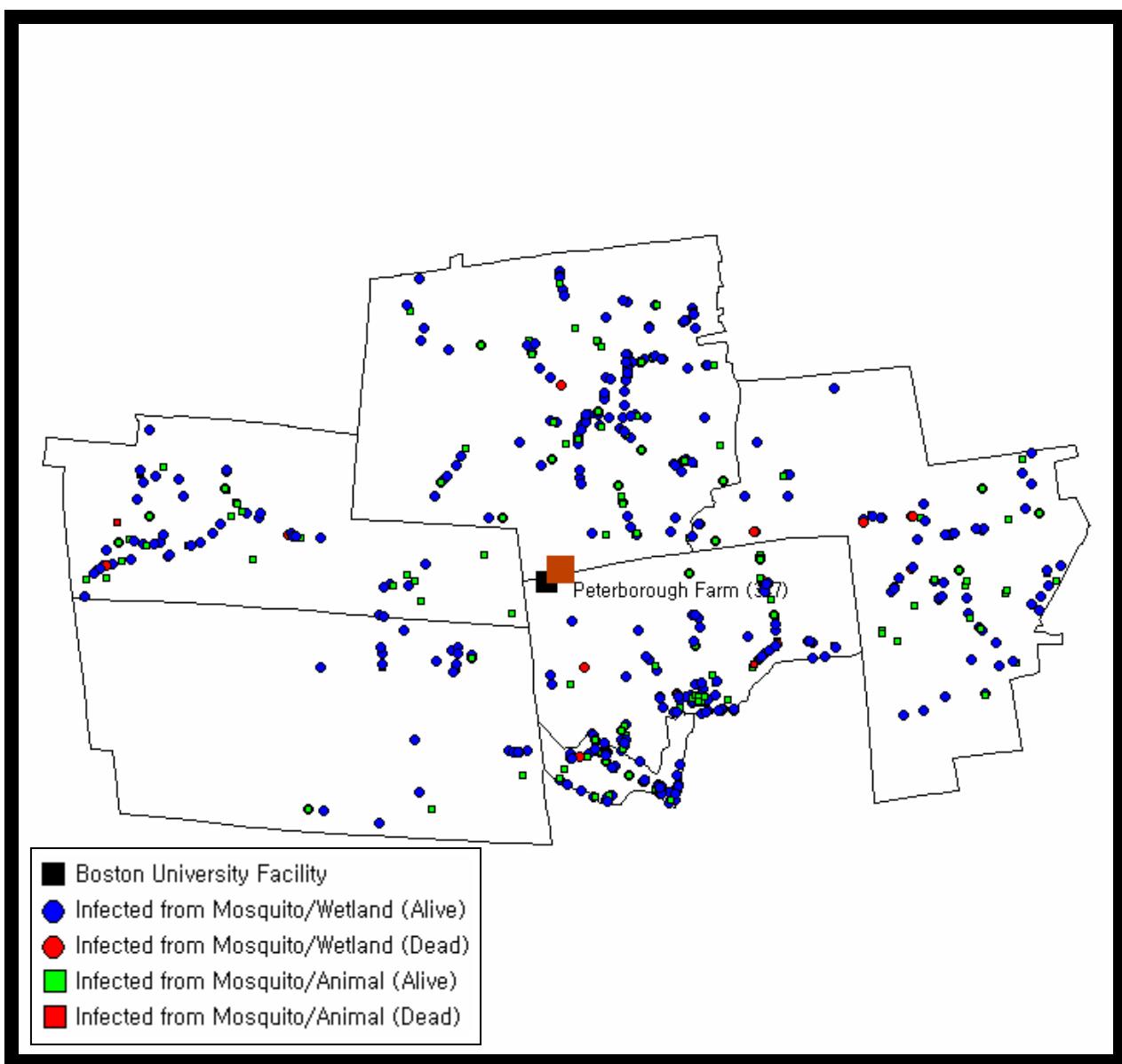
Day16[Infected(#)][Dead(#)]\_(67)(3)

### Rift Valley (Peterborough)



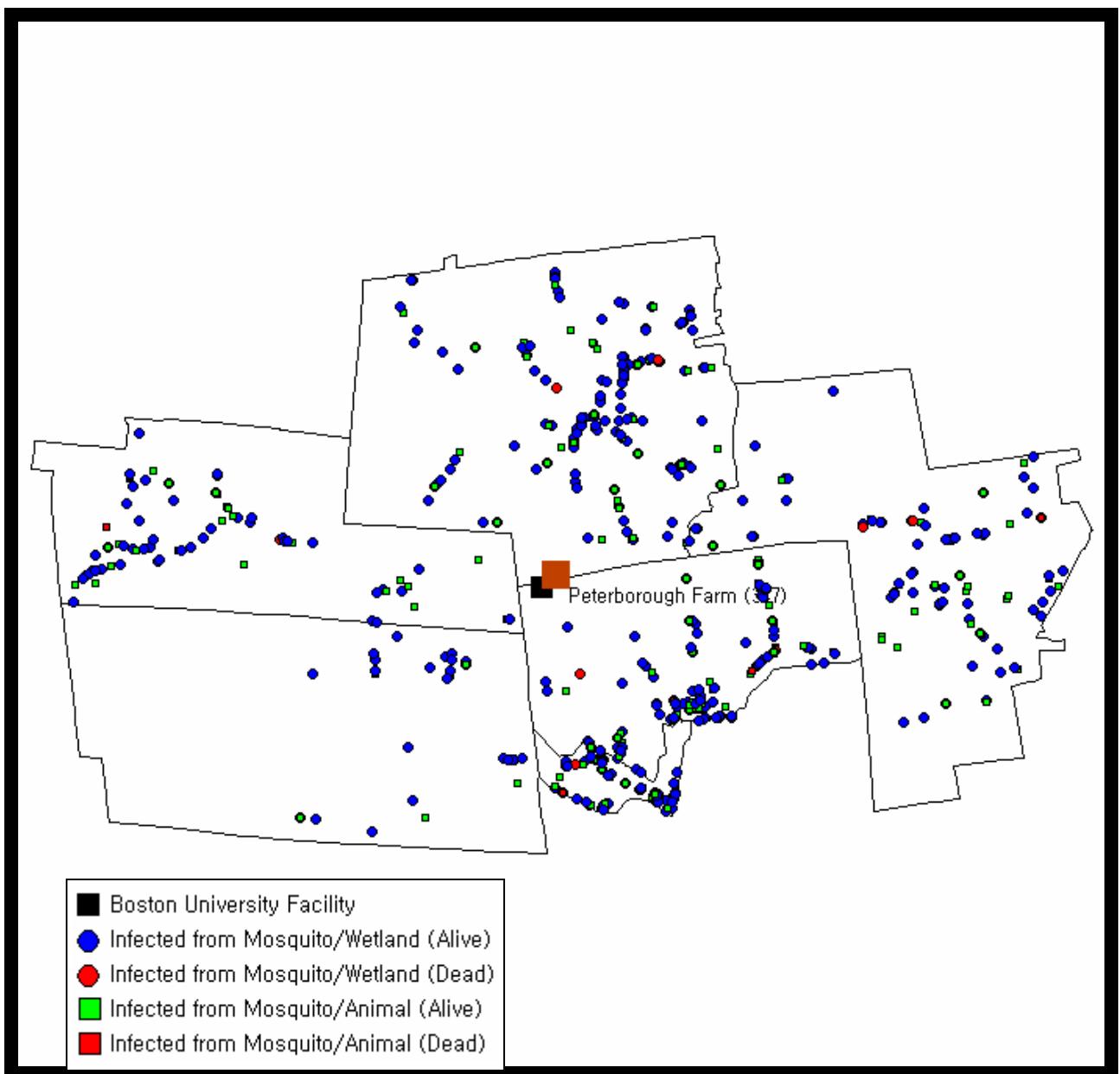
Day17[Infected(#)][Dead(#)]\_(86)(3)

### Rift Valley (Peterborough)



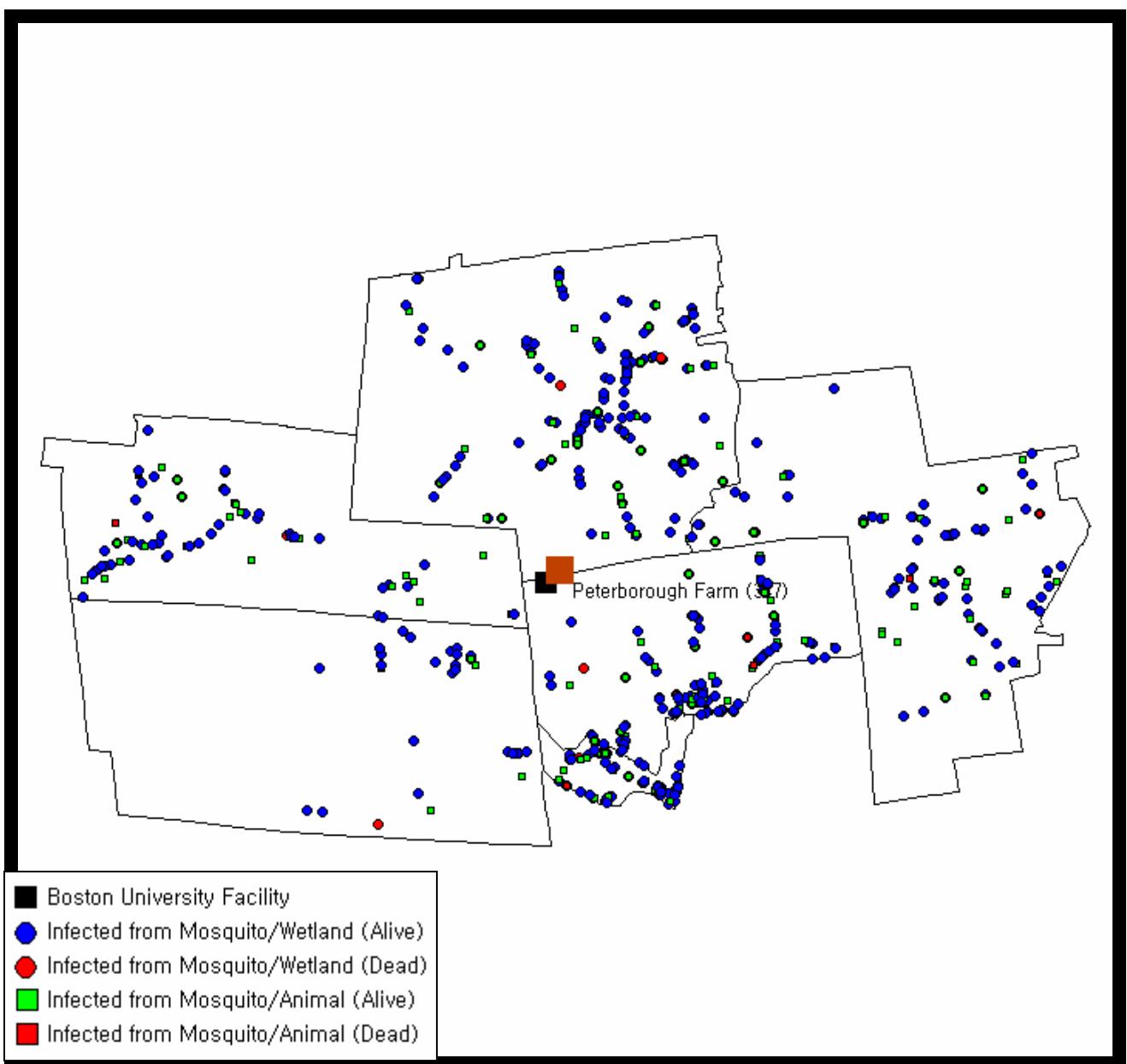
Day18[Infected(#)][Dead(#)]\_(83)(3)

### Rift Valley (Peterborough)



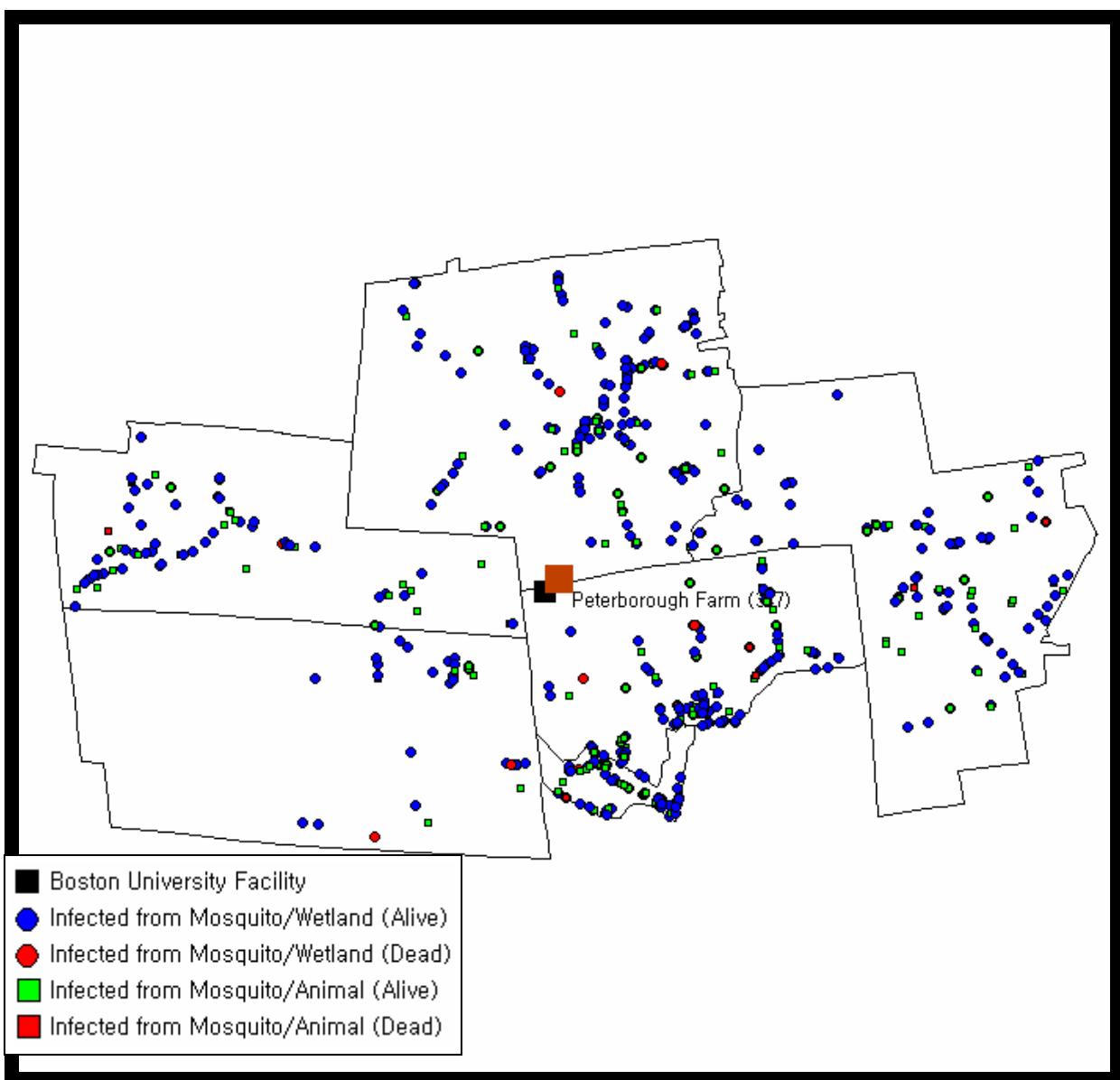
Day19[Infected(#)][Dead(#)]\_(74)(4)

### Rift Valley (Peterborough)



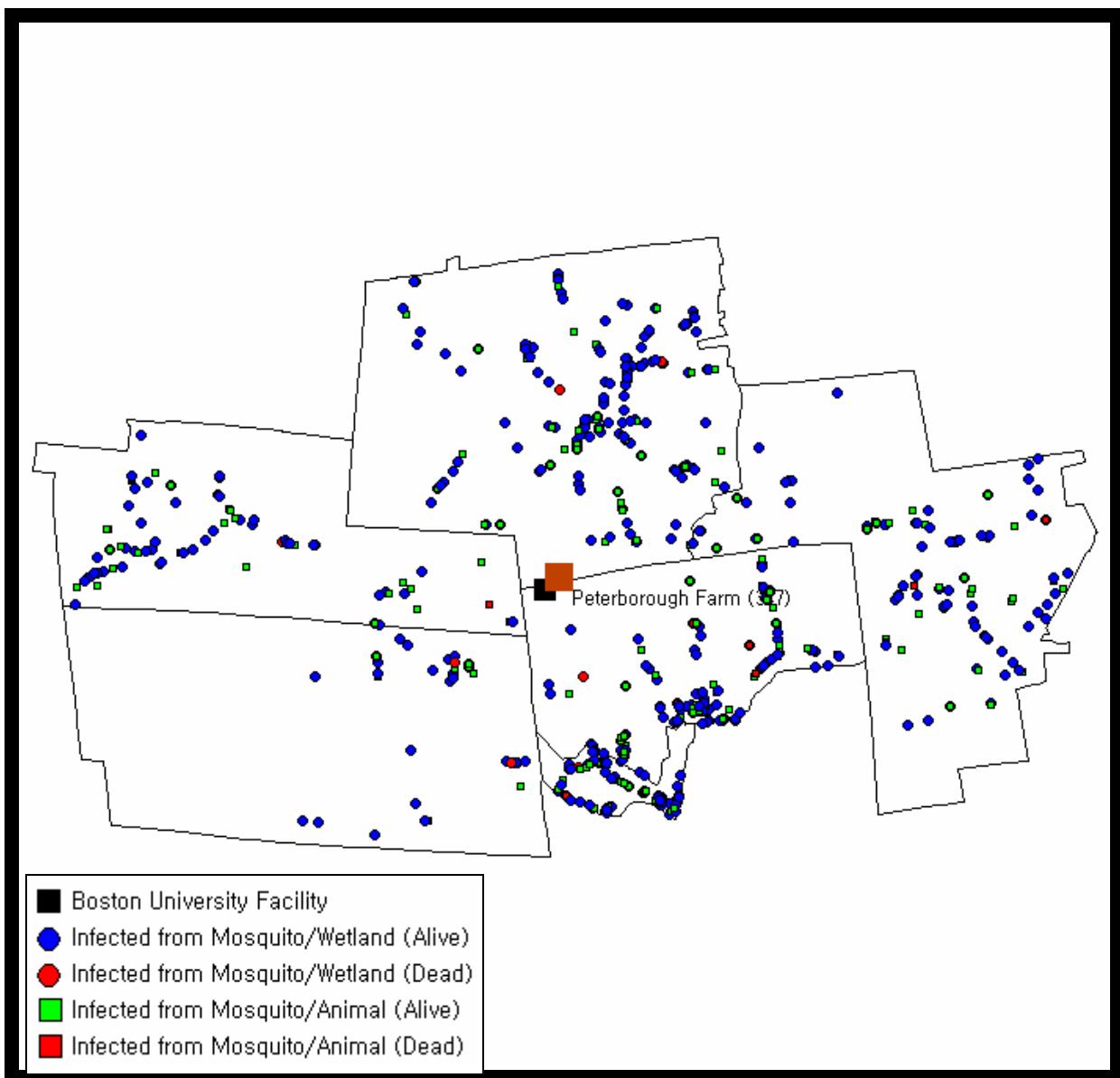
Day20[Infected(#)][Dead(#)]\_(80)(6)

### Rift Valley (Peterborough)



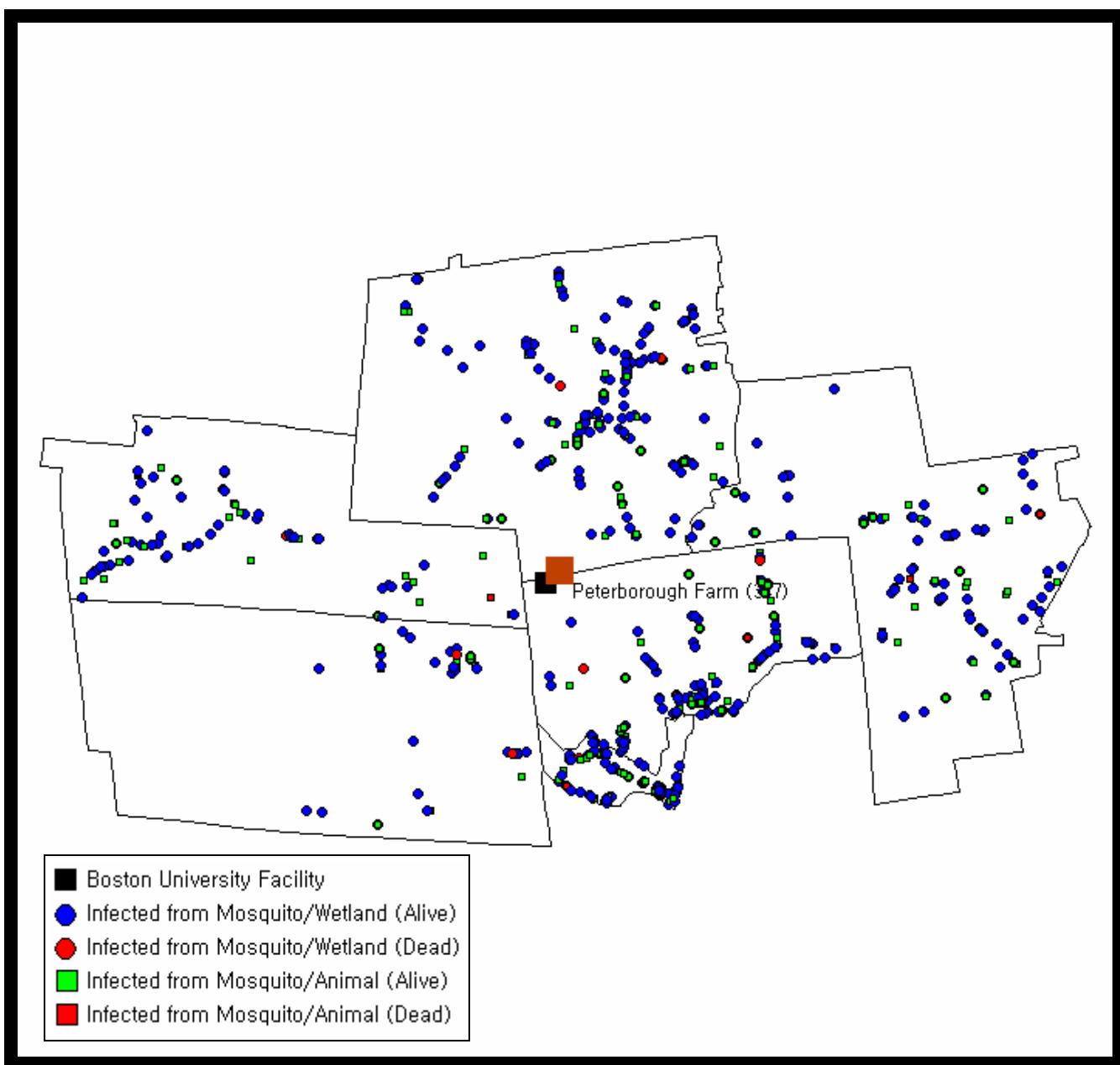
Day21[Infected(#)][Dead(#)]\_(70)(2)

### Rift Valley (Peterborough)



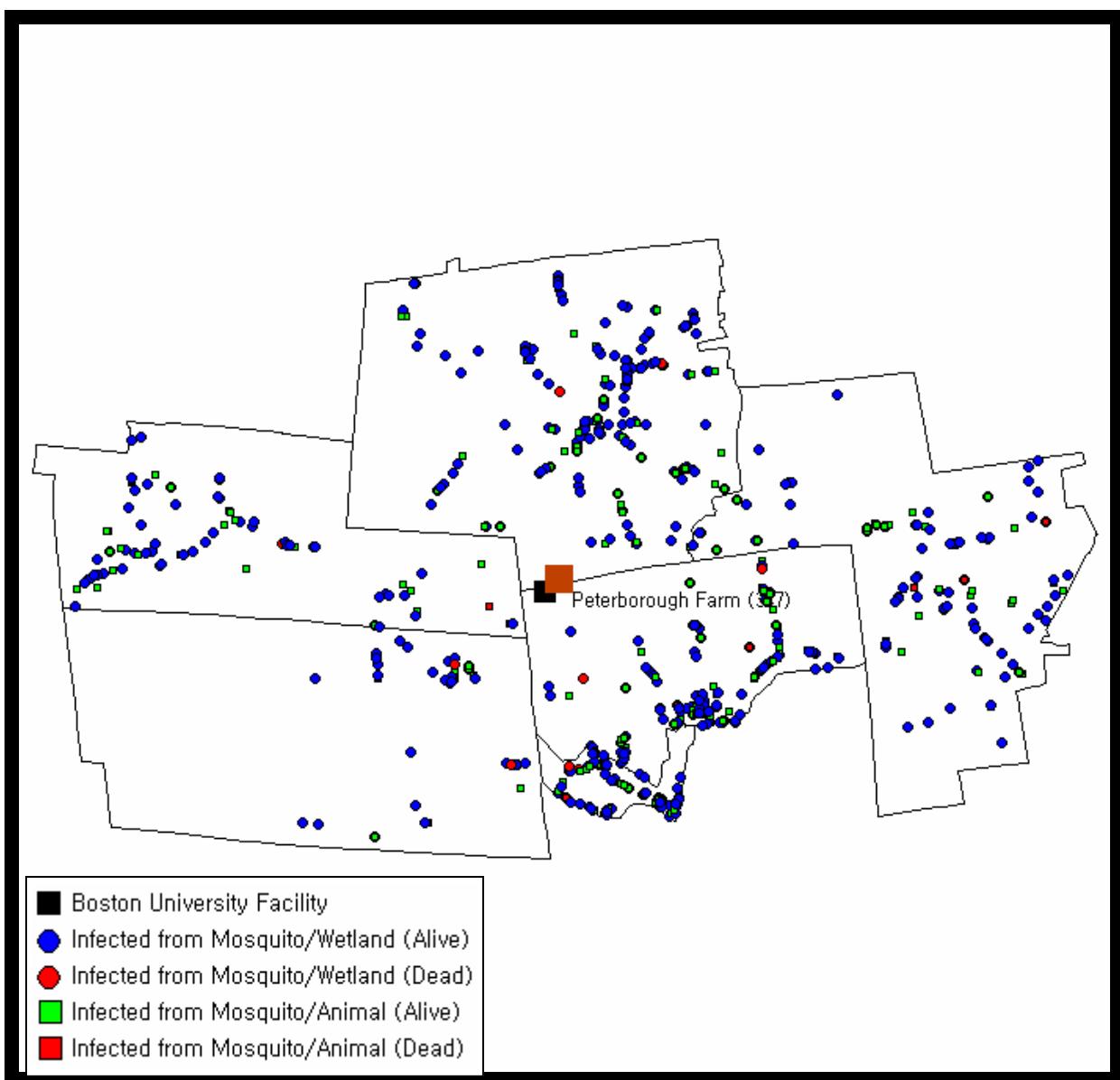
Day22[Infected(#)][Dead(#)]\_(83)(4)

**Rift Valley (Peterborough)**



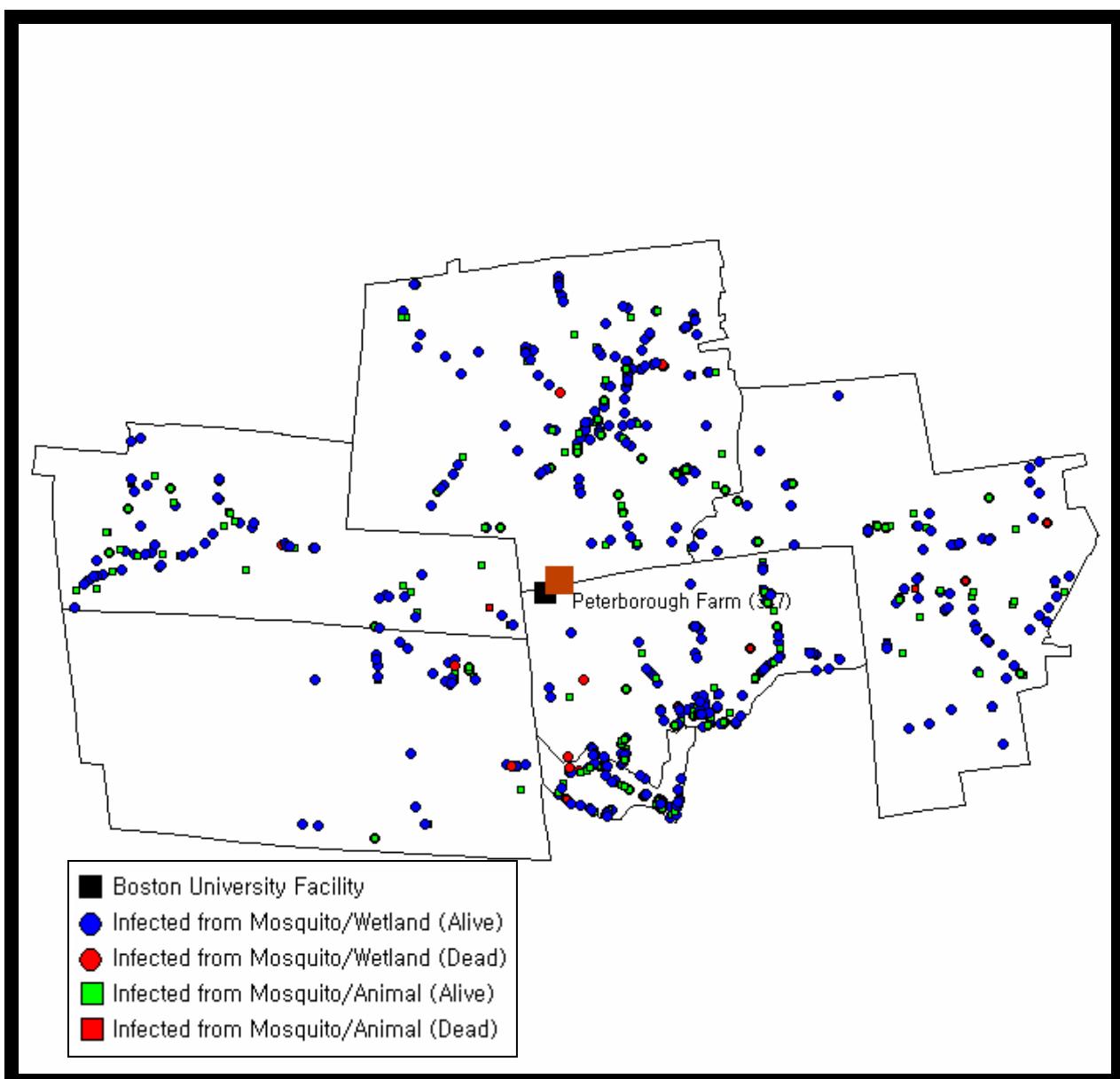
Day23[Infected(#)][Dead(#)]\_(76)(2)

### Rift Valley (Peterborough)



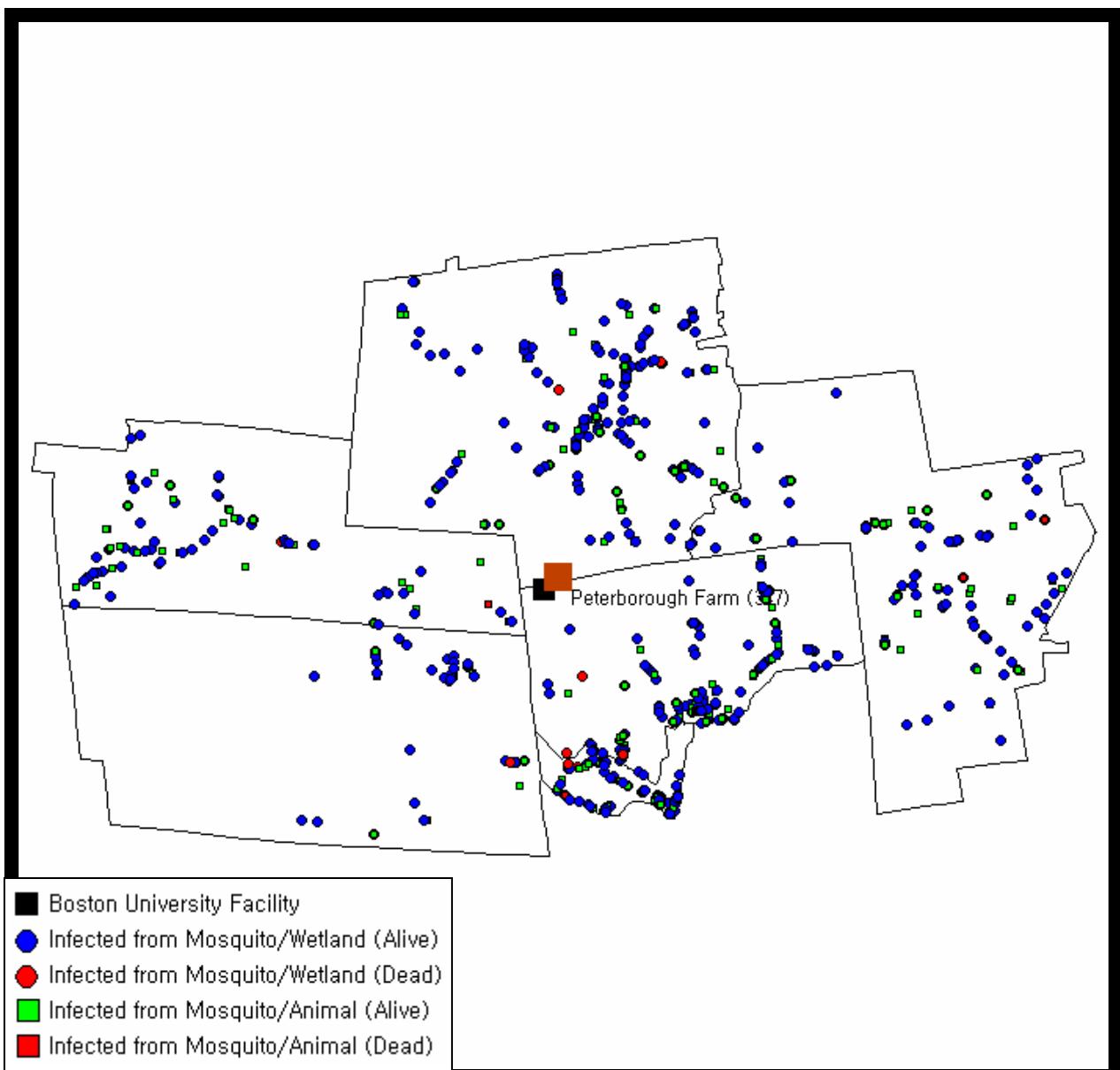
Day24[Infected(#)][Dead(#)]\_(86)(3)

### Rift Valley (Peterborough)



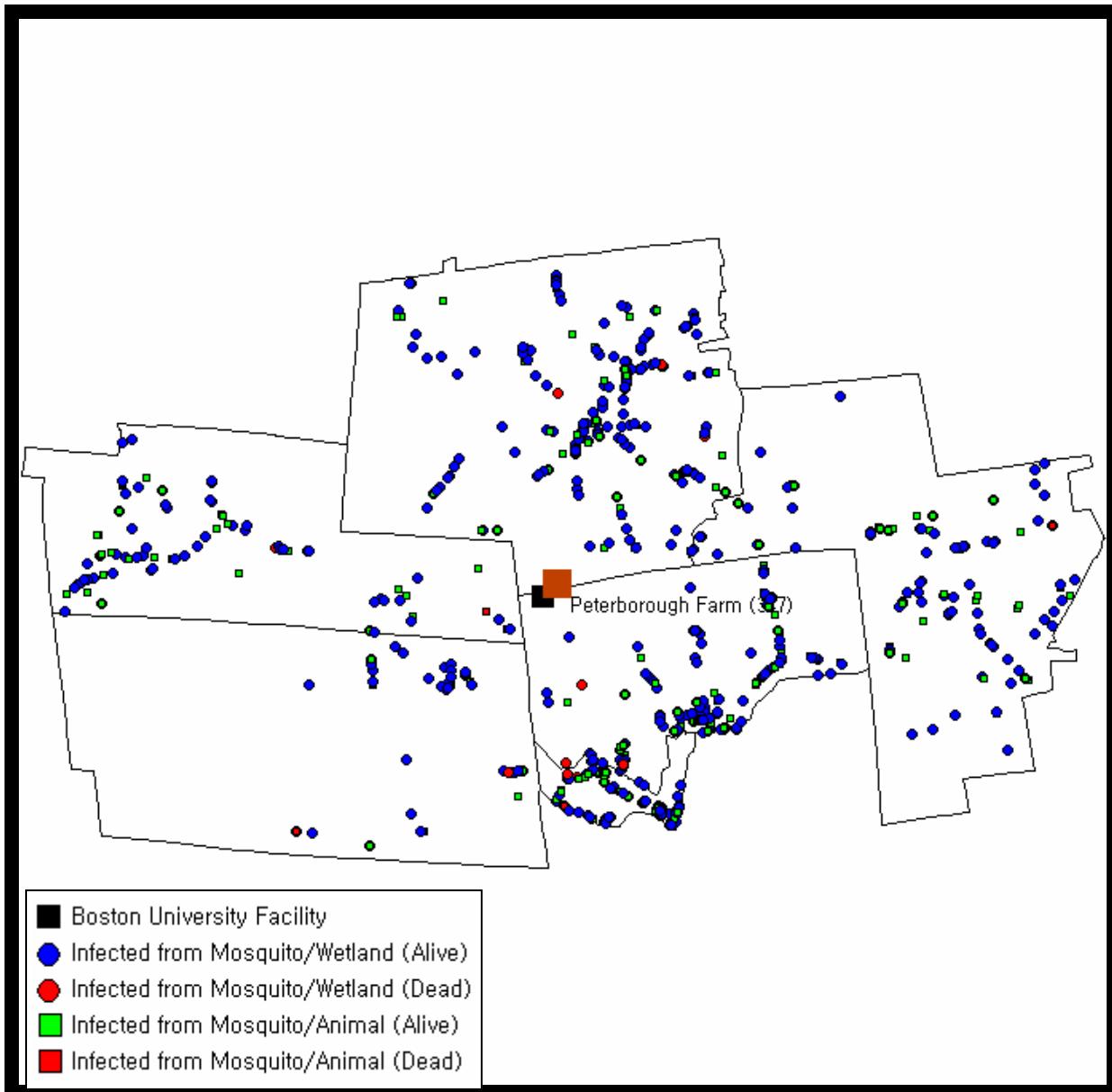
Day25[Infected(#)][Dead(#)]\_(62)(3)

### Rift Valley (Peterborough)



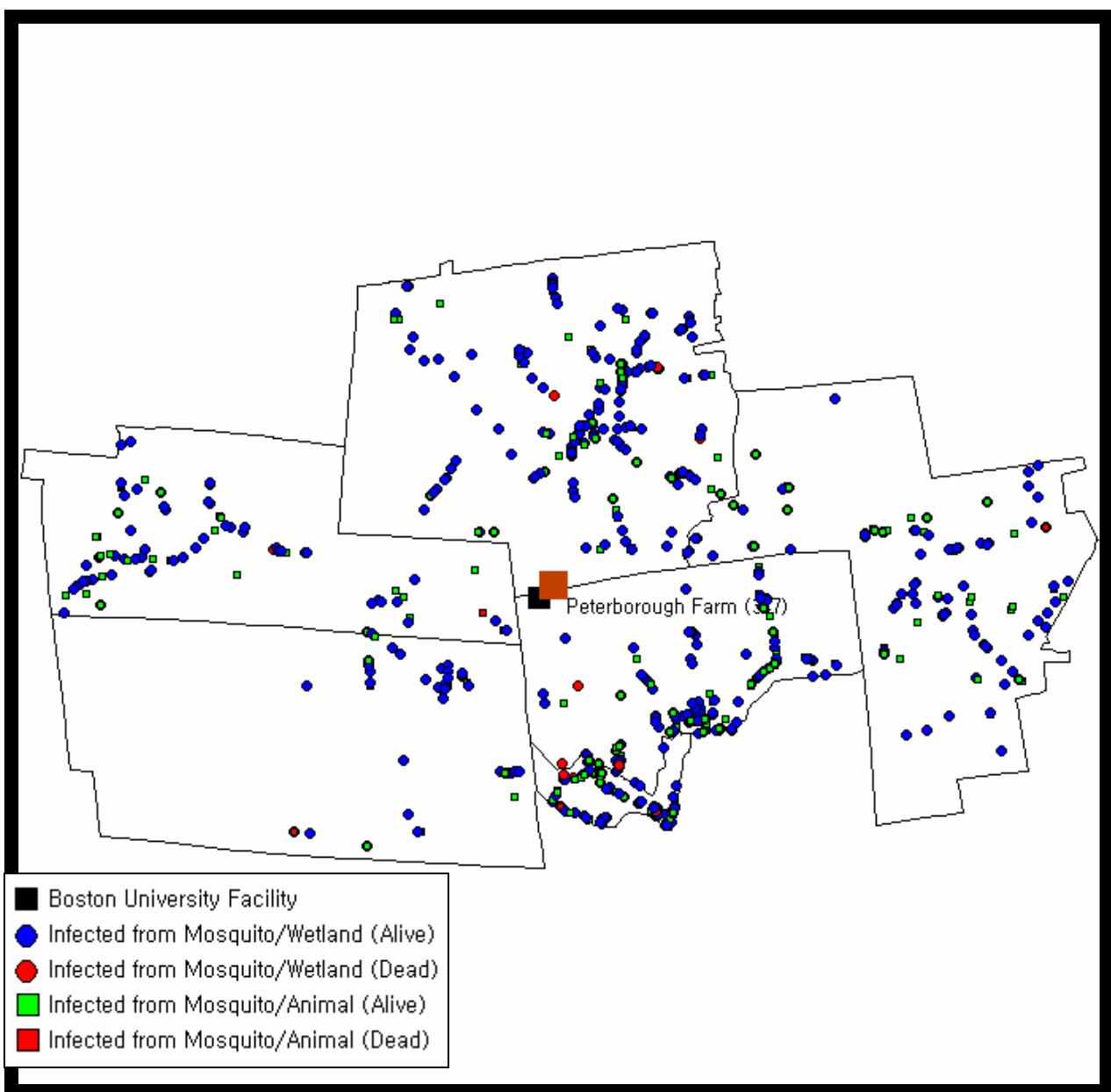
Day26[Infected(#)][Dead(#)]\_(77)(4)

### Rift Valley (Peterborough)



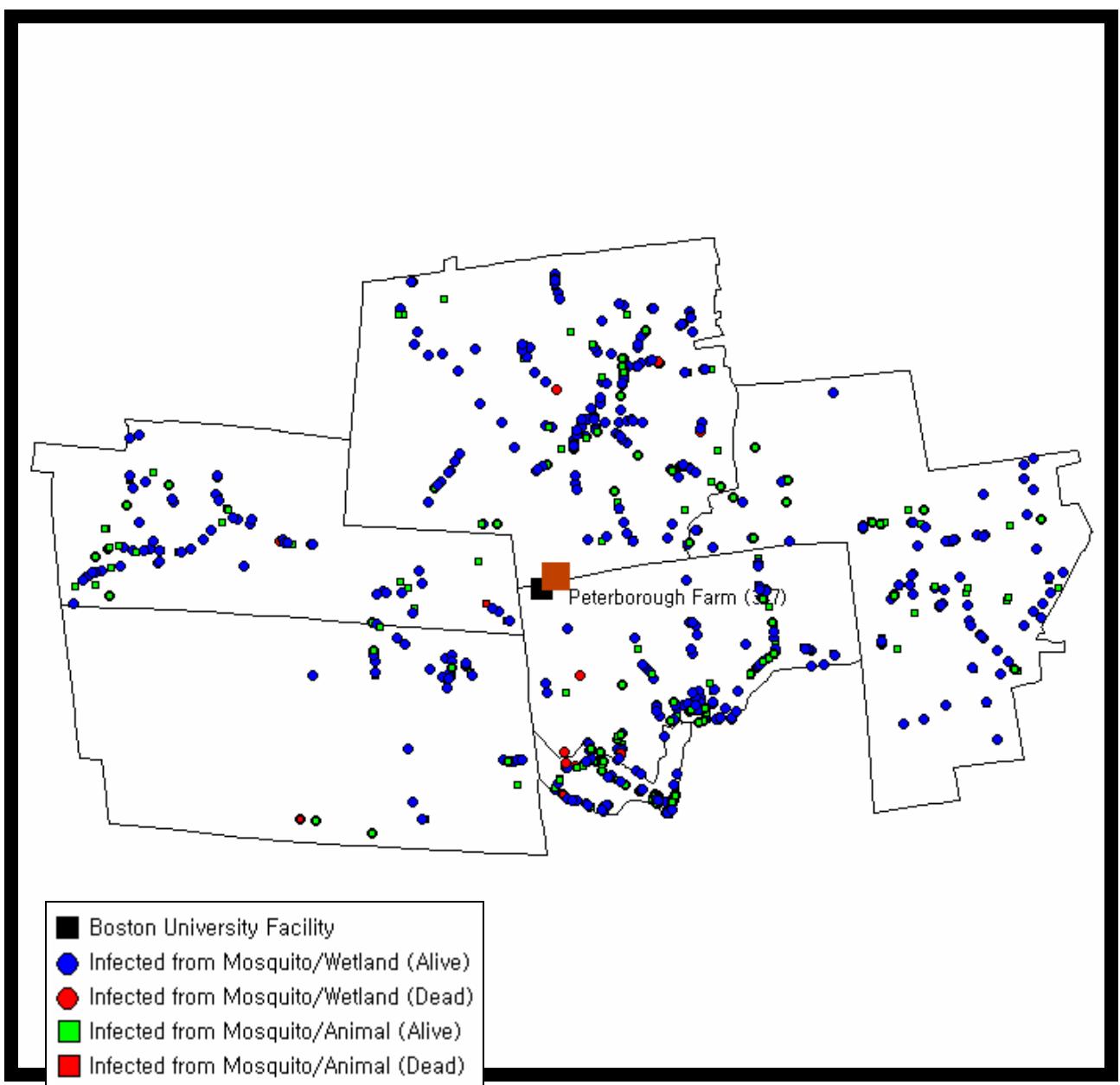
Day27[Infected(#)][Dead(#)]\_(65)(3)

### Rift Valley (Peterborough)



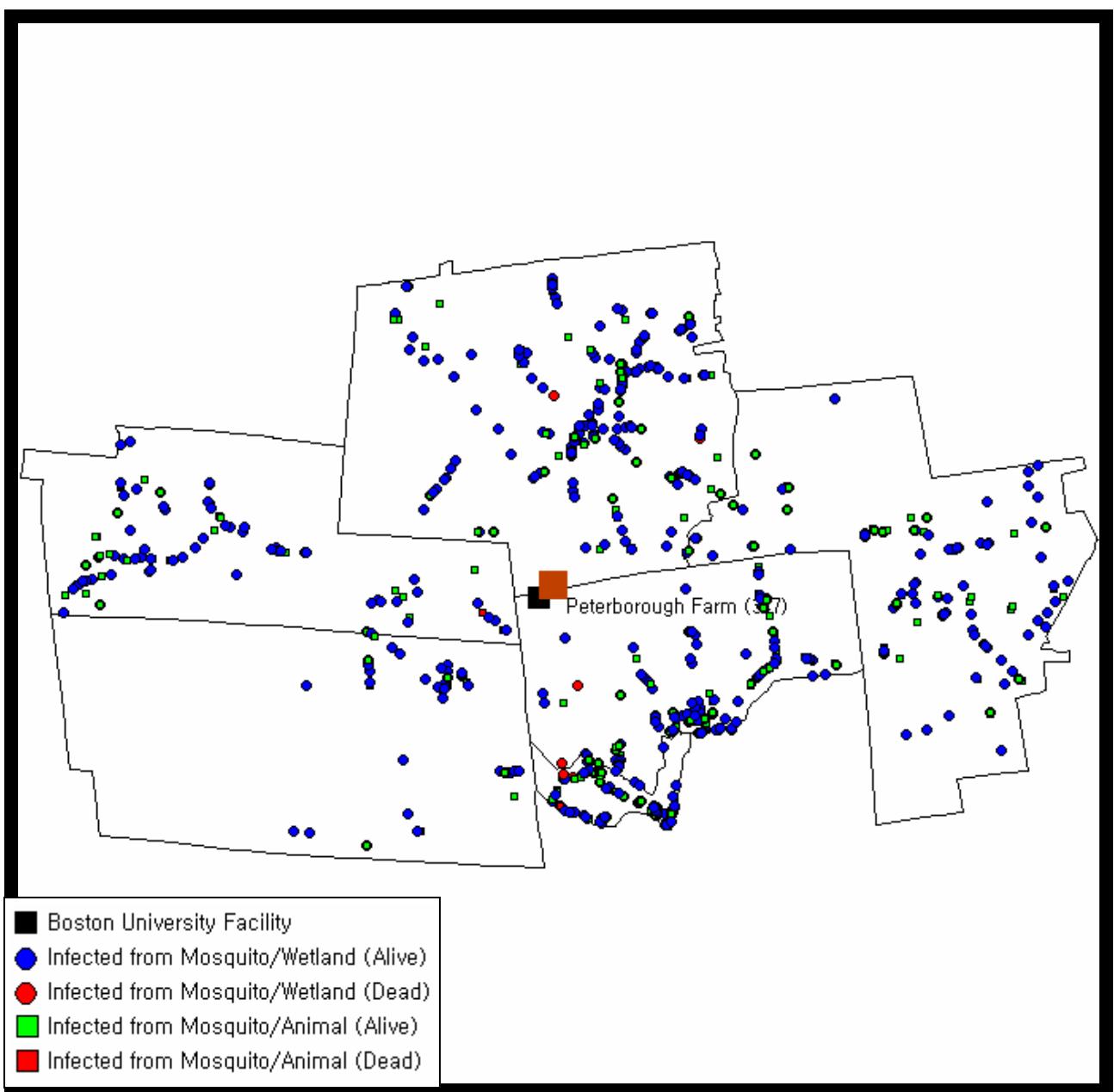
Day28[Infected(#)][Dead(#)]\_(62)(3)

## Rift Valley (Peterborough)



Day29[Infected(#)][Dead(#)]\_(70)(2)

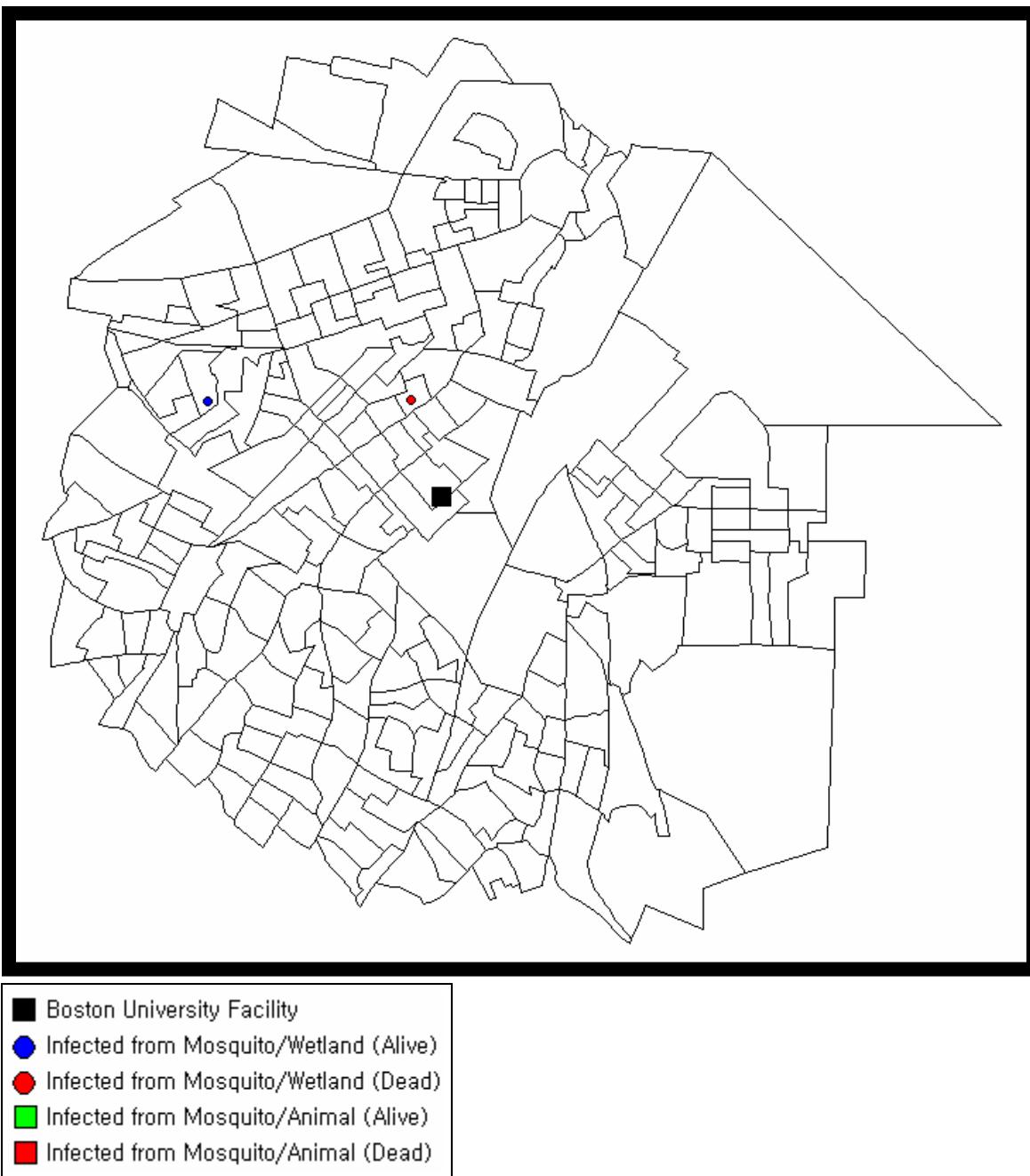
## Rift Valley (Peterborough)



Day30[Infected(#)][Dead(#)]\_(78)(1)

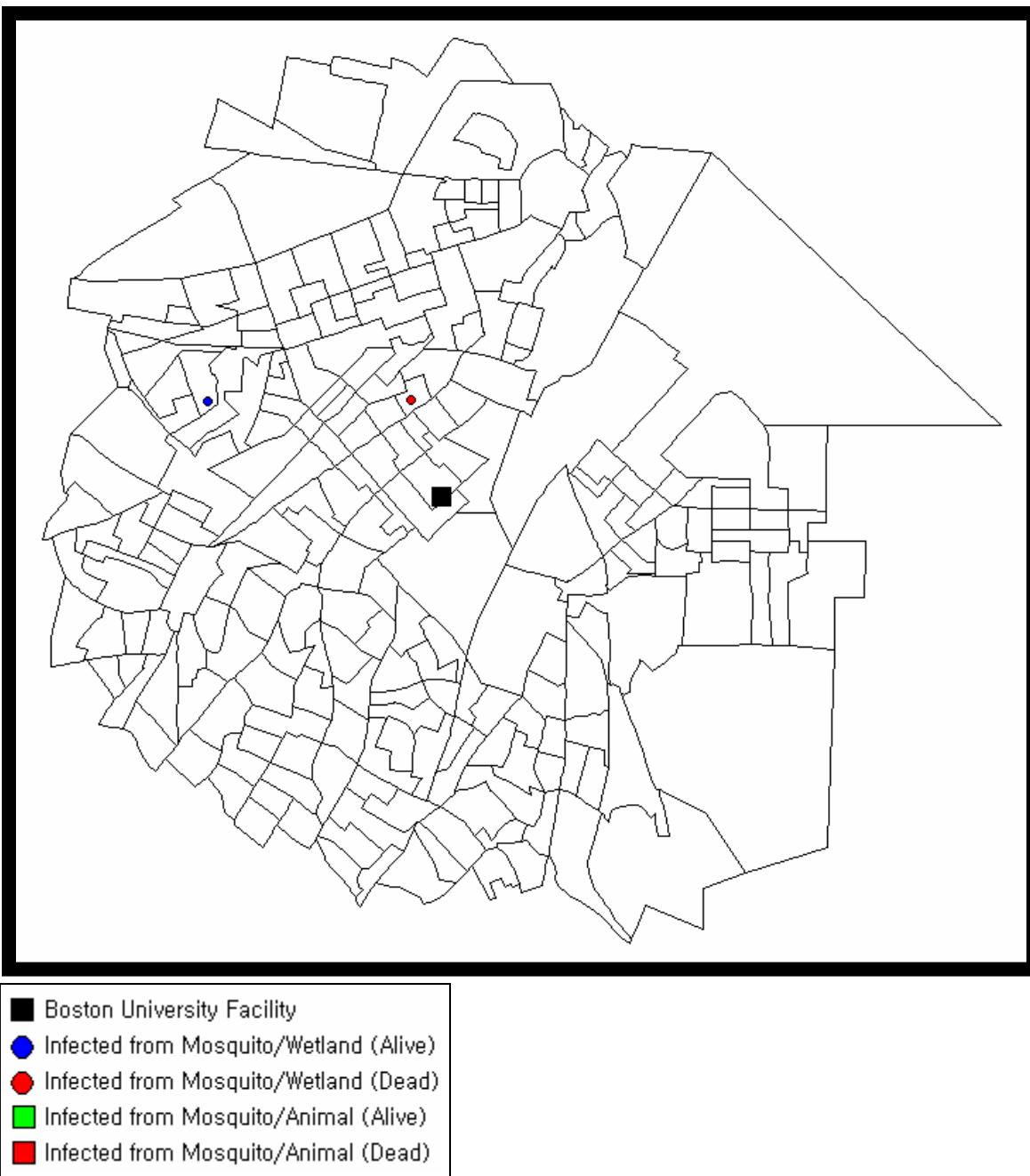
### Rift Valley (Peterborough)

## **Rift Valley (BUMC)**



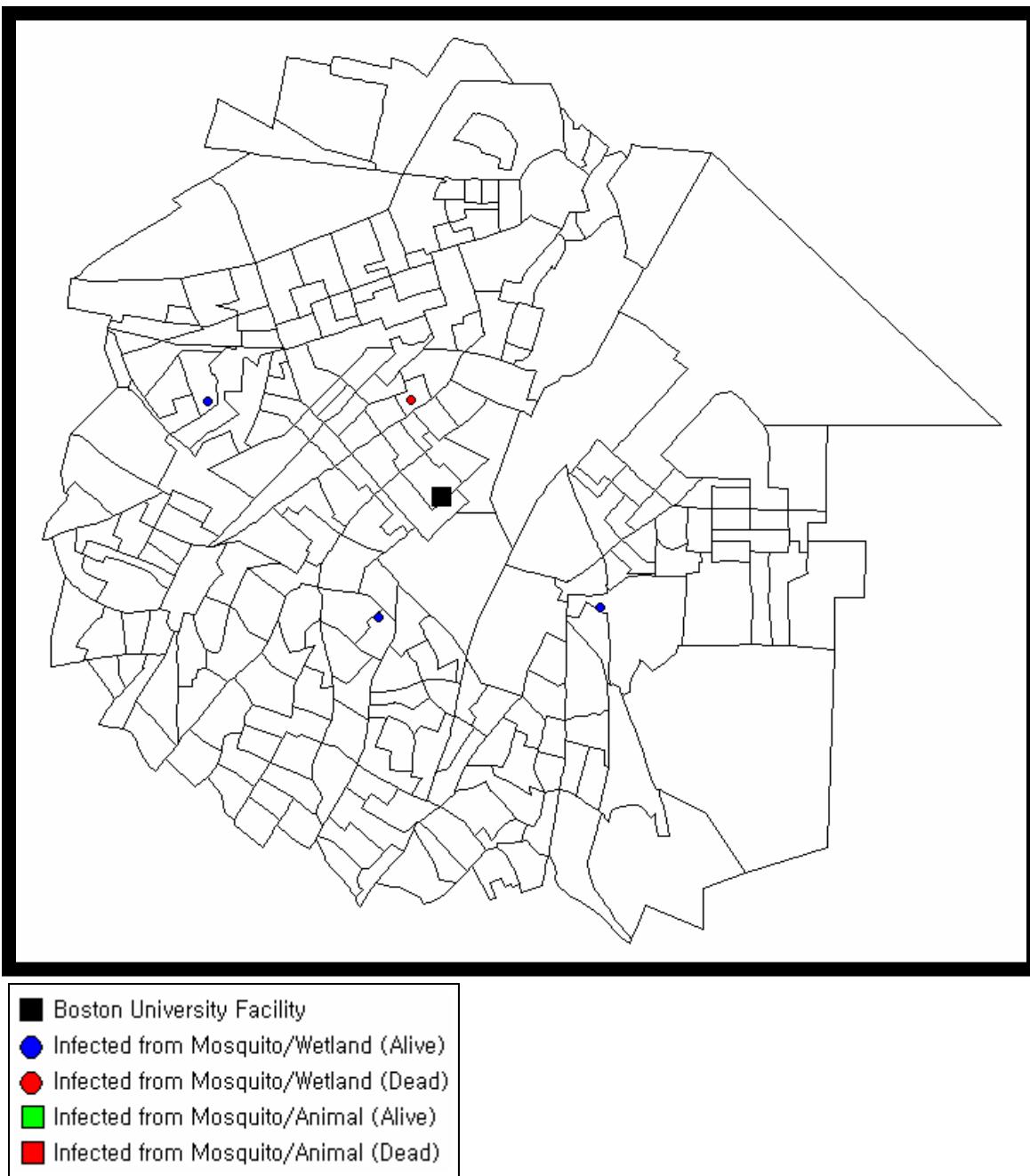
Day1[Infected(#)][Dead(#)]\_(2)(1)

**Rift Valley (BUMC)**



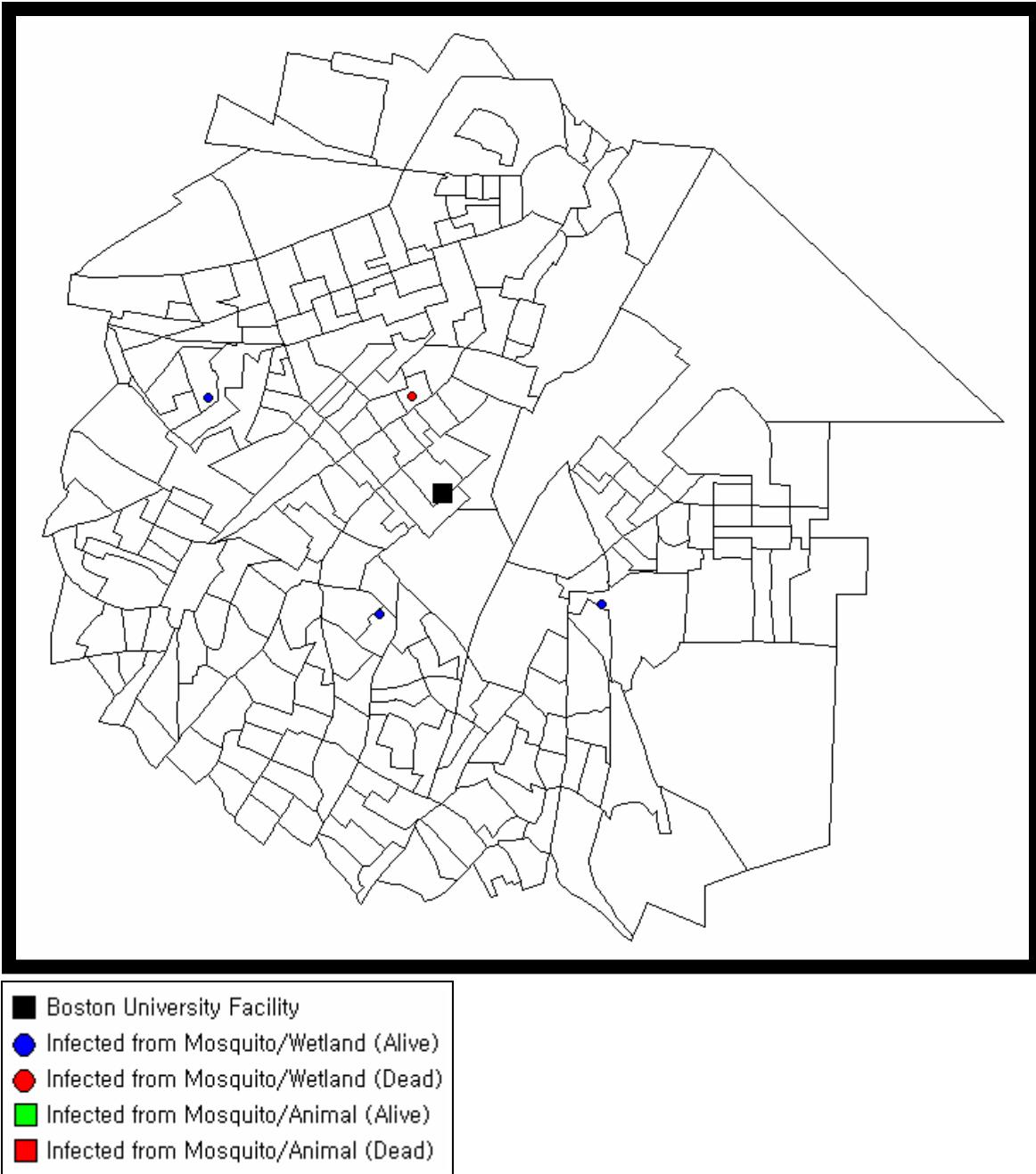
Day2[Infected(#)][Dead(#)]\_(0)(0)

**Rift Valley (BUMC)**



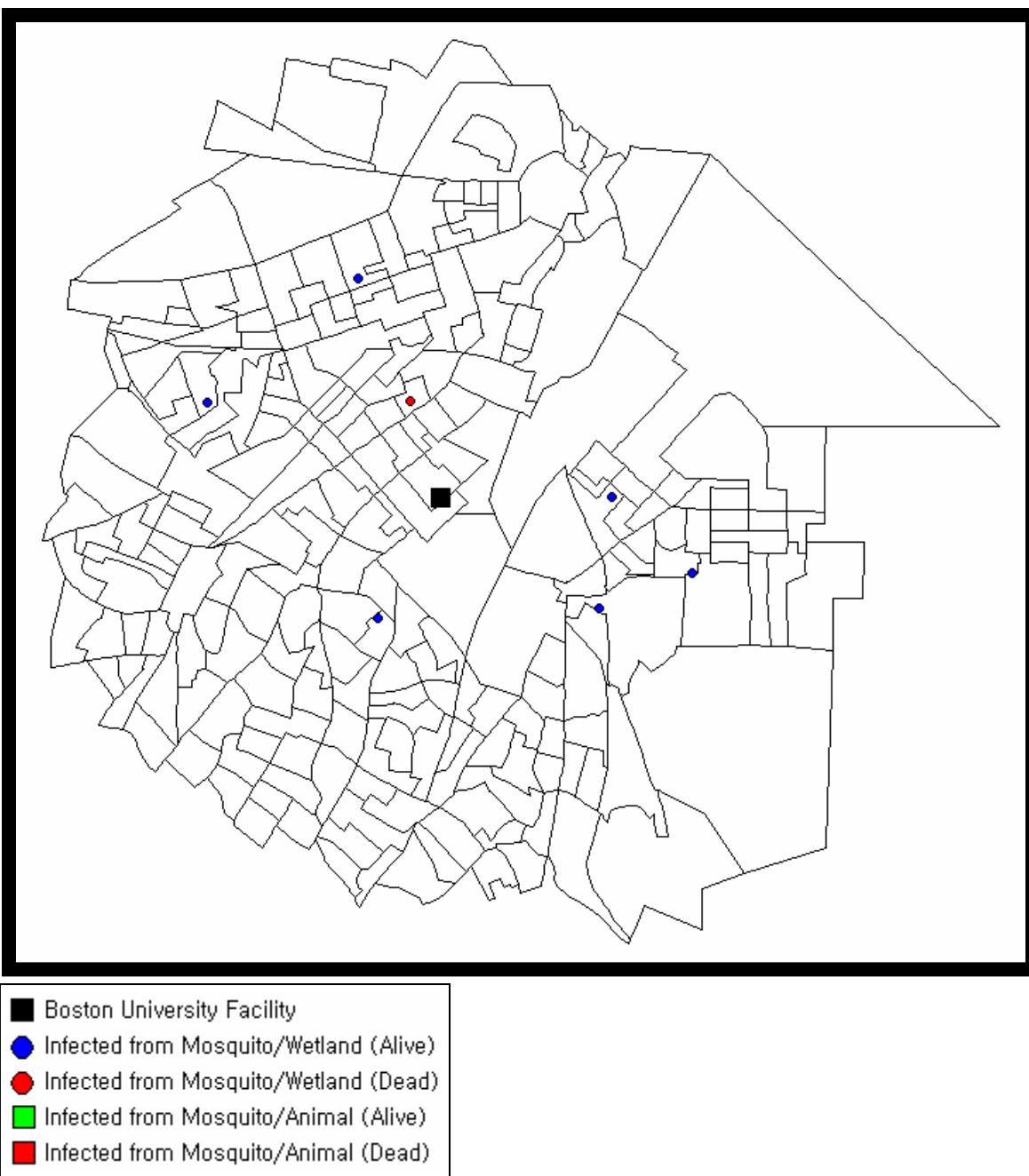
Day3[Infected(#)][Dead(#)]\_(2)(0)

**Rift Valley (BUMC)**



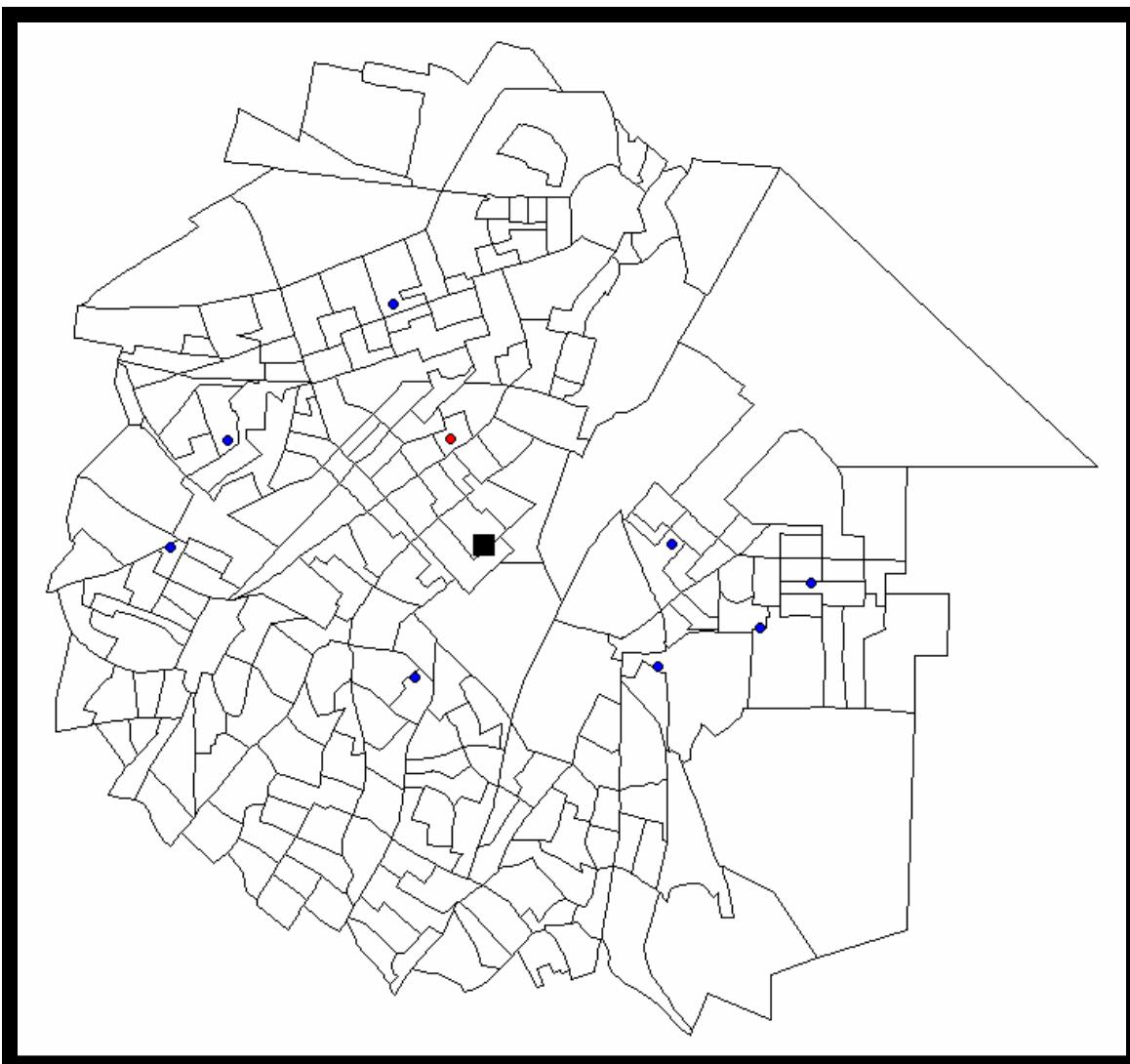
Day4[Infected(#)][Dead(#)]\_(0)(0)

### Rift Valley (BUMC)



Day5[Infected(#)][Dead(#)]\_(3)(0)

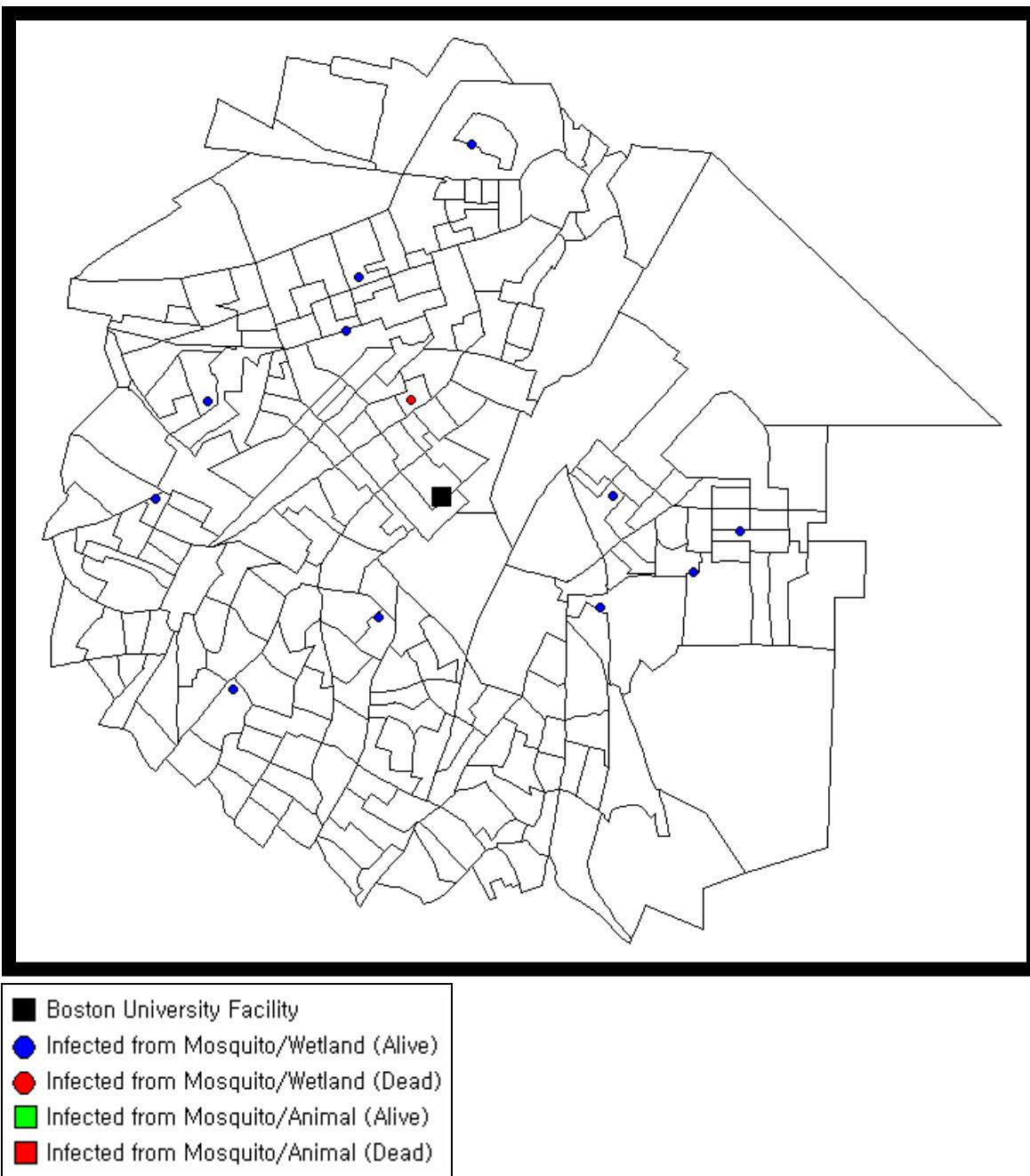
## Rift Valley (BUMC)



- Boston University Facility
- Infected from Mosquito/Wetland (Alive)
- Infected from Mosquito/Wetland (Dead)
- Infected from Mosquito/Animal (Alive)
- Infected from Mosquito/Animal (Dead)

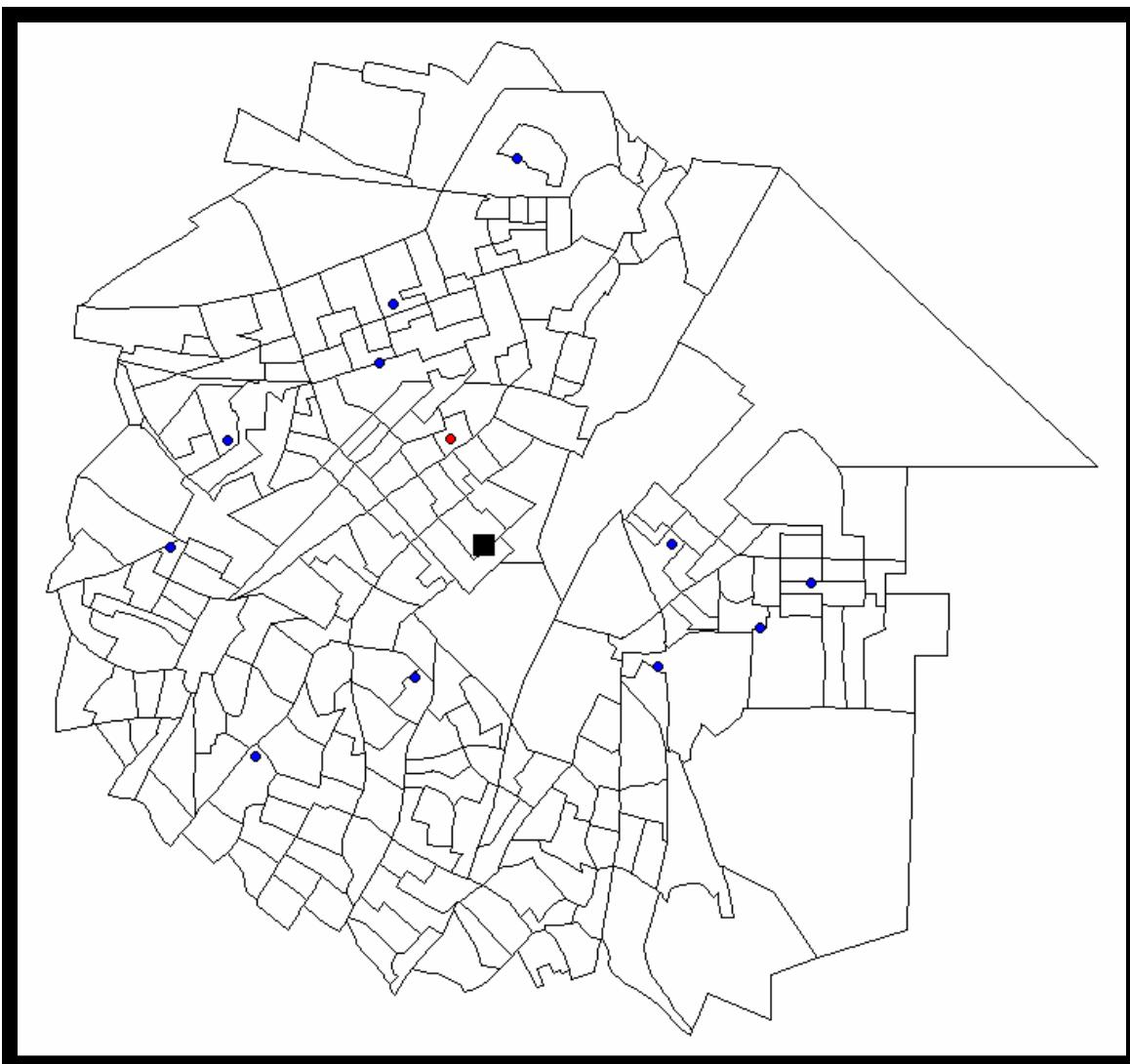
Day6[Infected(#)][Dead(#)]\_(2)(0)

### Rift Valley (BUMC)



Day7[Infected(#)][Dead(#)]\_(3)(0)

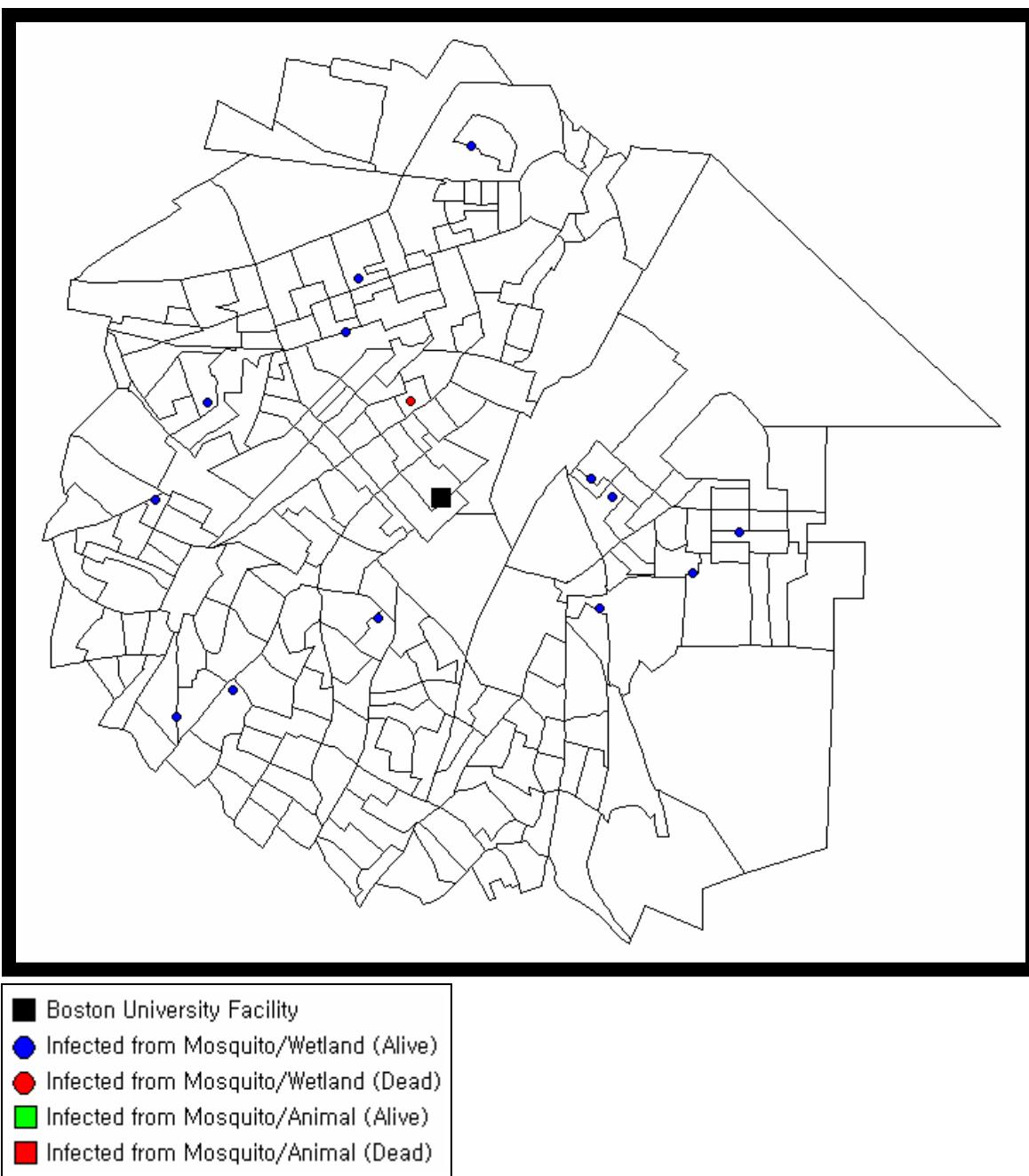
### Rift Valley (BUMC)



- Boston University Facility
- Infected from Mosquito/Wetland (Alive)
- Infected from Mosquito/Wetland (Dead)
- Infected from Mosquito/Animal (Alive)
- Infected from Mosquito/Animal (Dead)

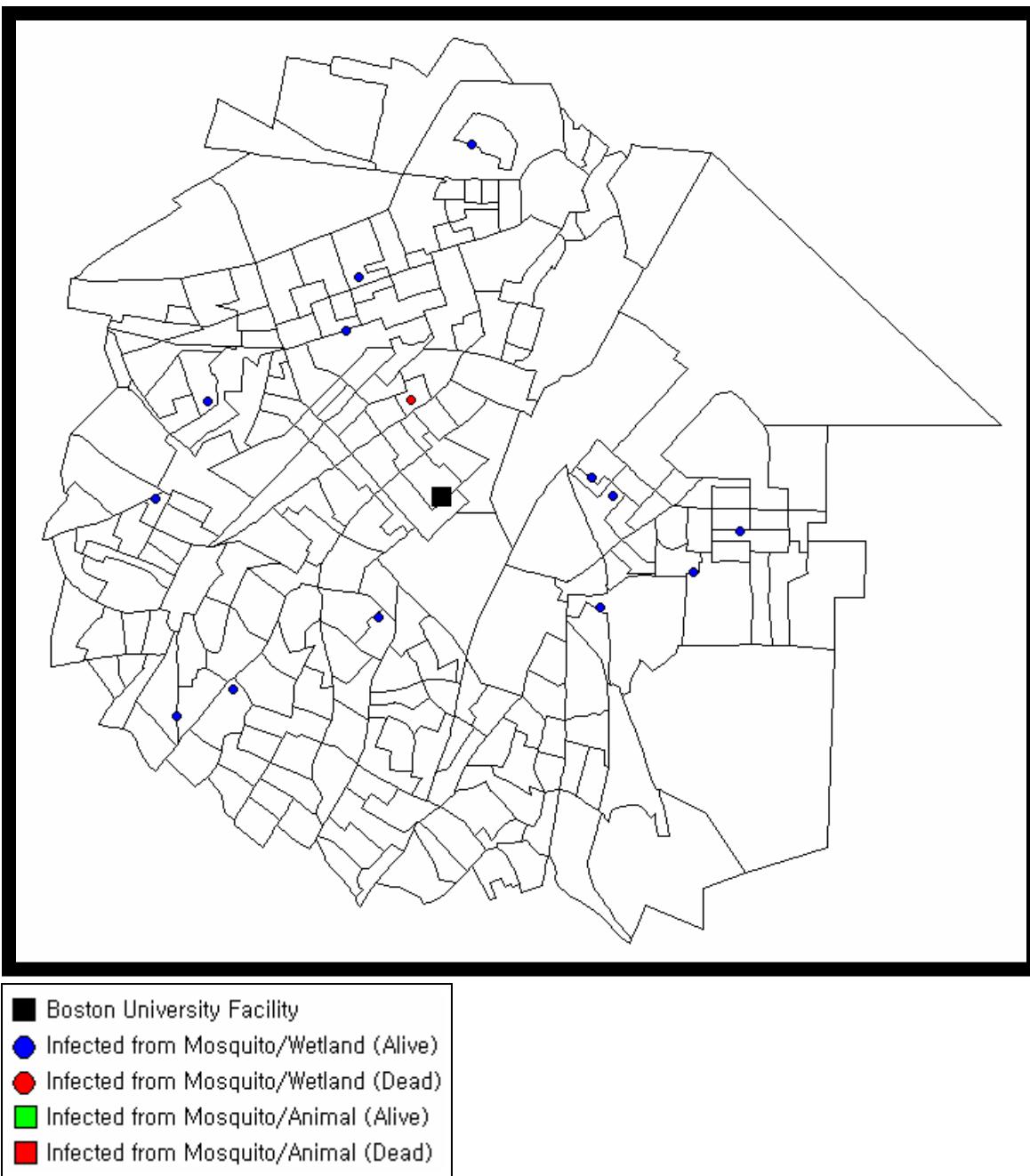
Day8[Infected(#)][Dead(#)]\_(0)(0)

**Rift Valley (BUMC)**



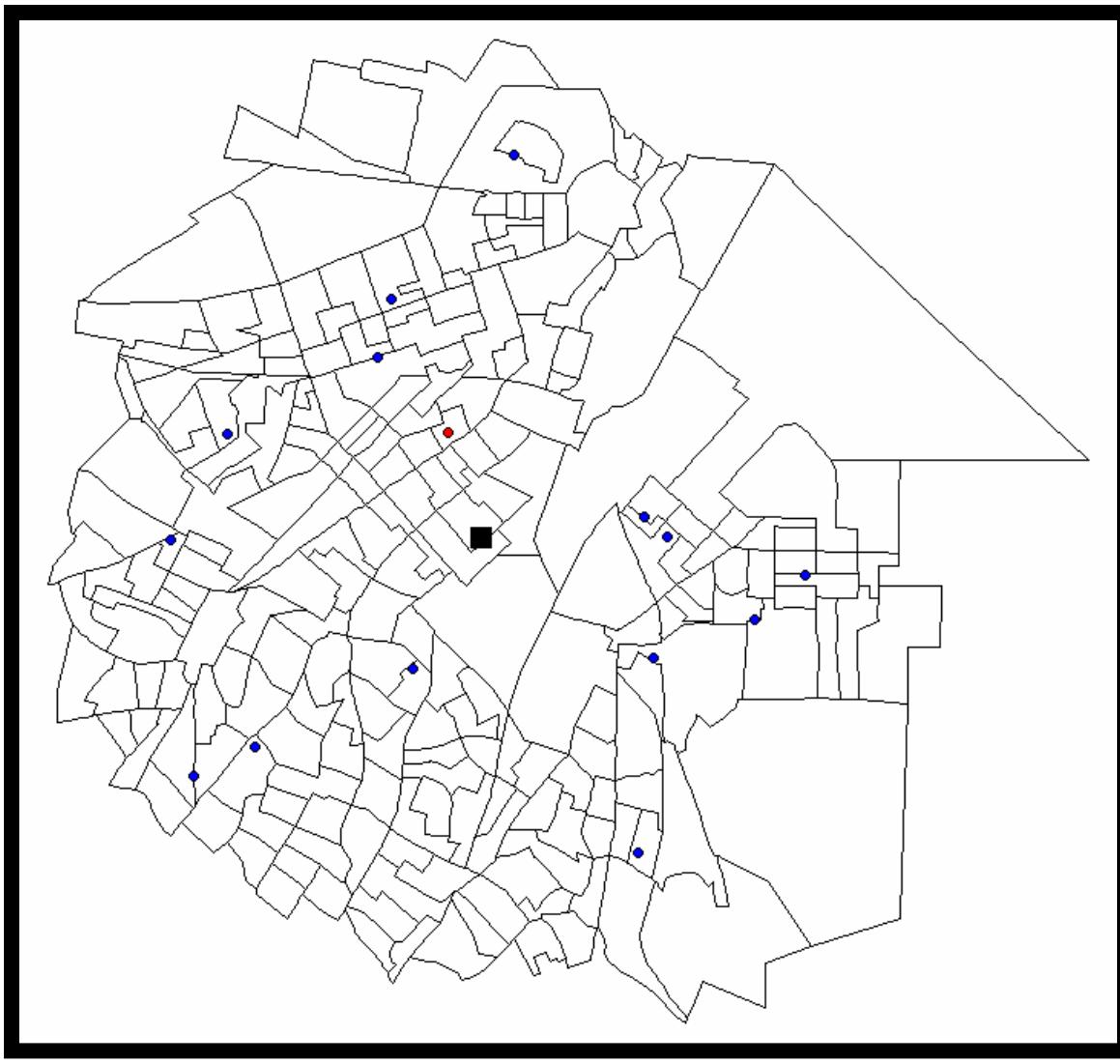
Day9[Infected(#)][Dead(#)]\_(2)(0)

**Rift Valley (BUMC)**



Day10[Infected(#)][Dead(#)]\_(0)(0)

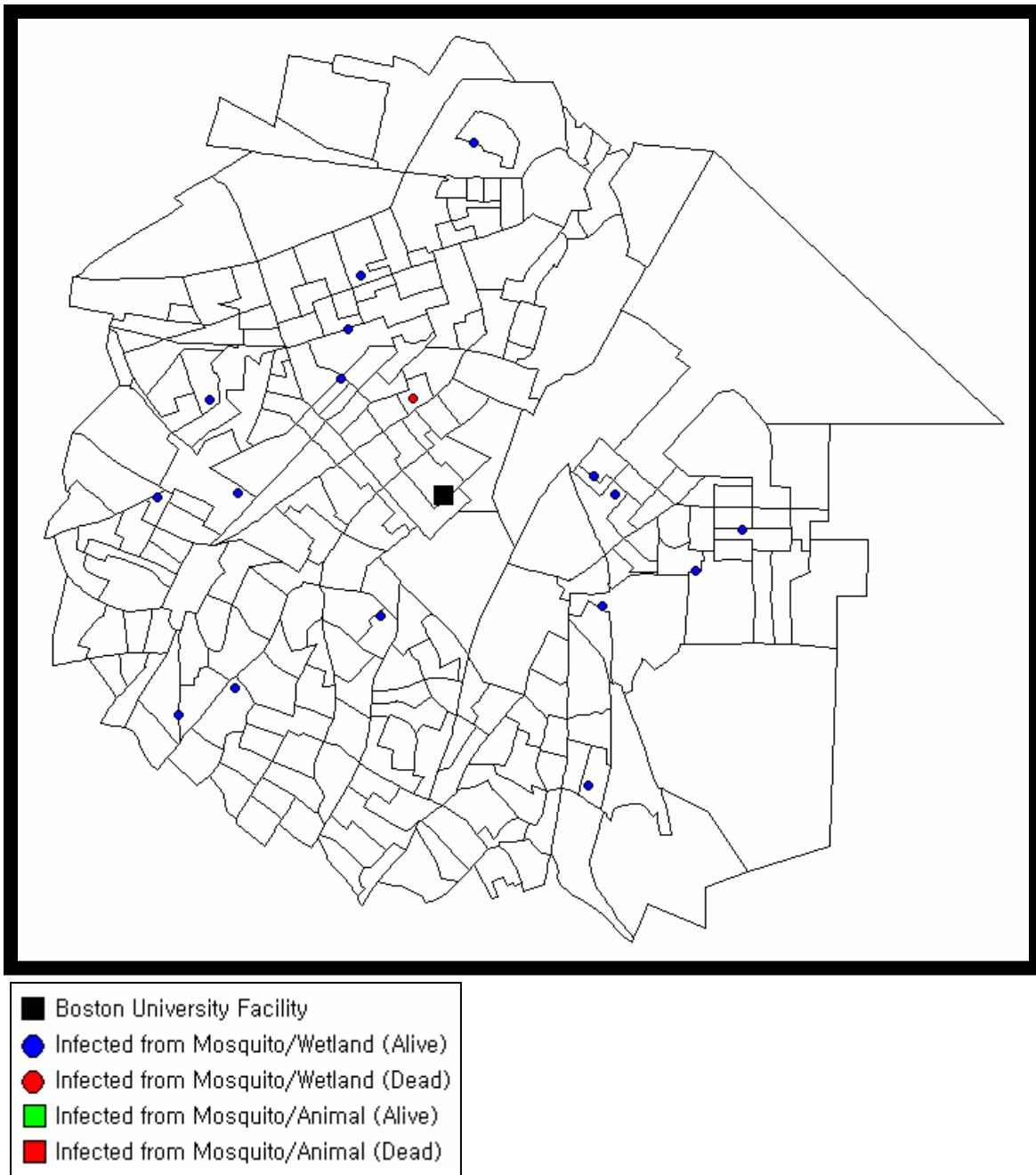
**Rift Valley (BUMC)**



- Boston University Facility
- Infected from Mosquito/Wetland (Alive)
- Infected from Mosquito/Wetland (Dead)
- Infected from Mosquito/Animal (Alive)
- Infected from Mosquito/Animal (Dead)

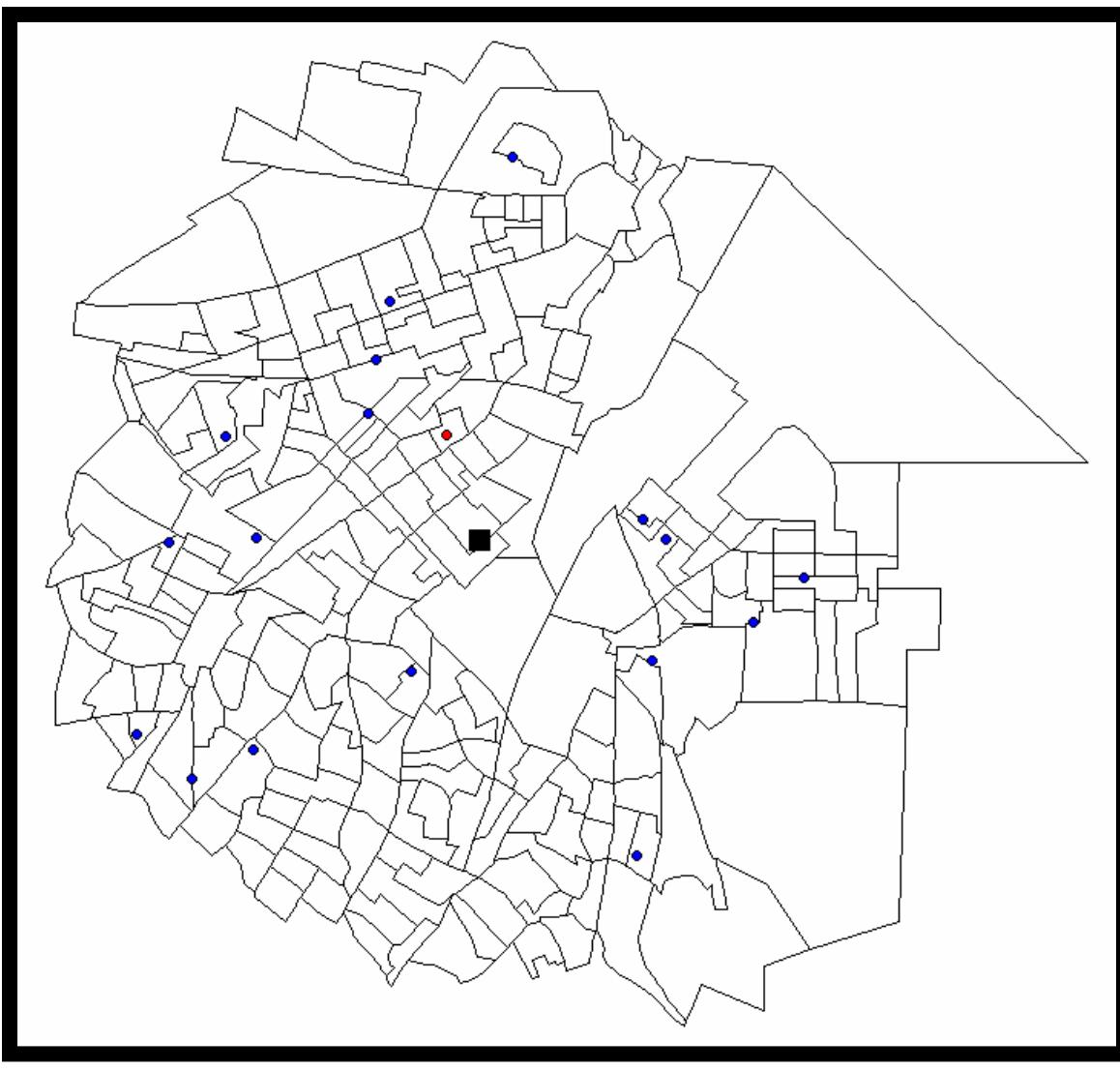
Day11[Infected(#)][Dead(#)]\_(1)(0)

**Rift Valley (BUMC)**



Day12[Infected(#)][Dead(#)]\_(2)(0)

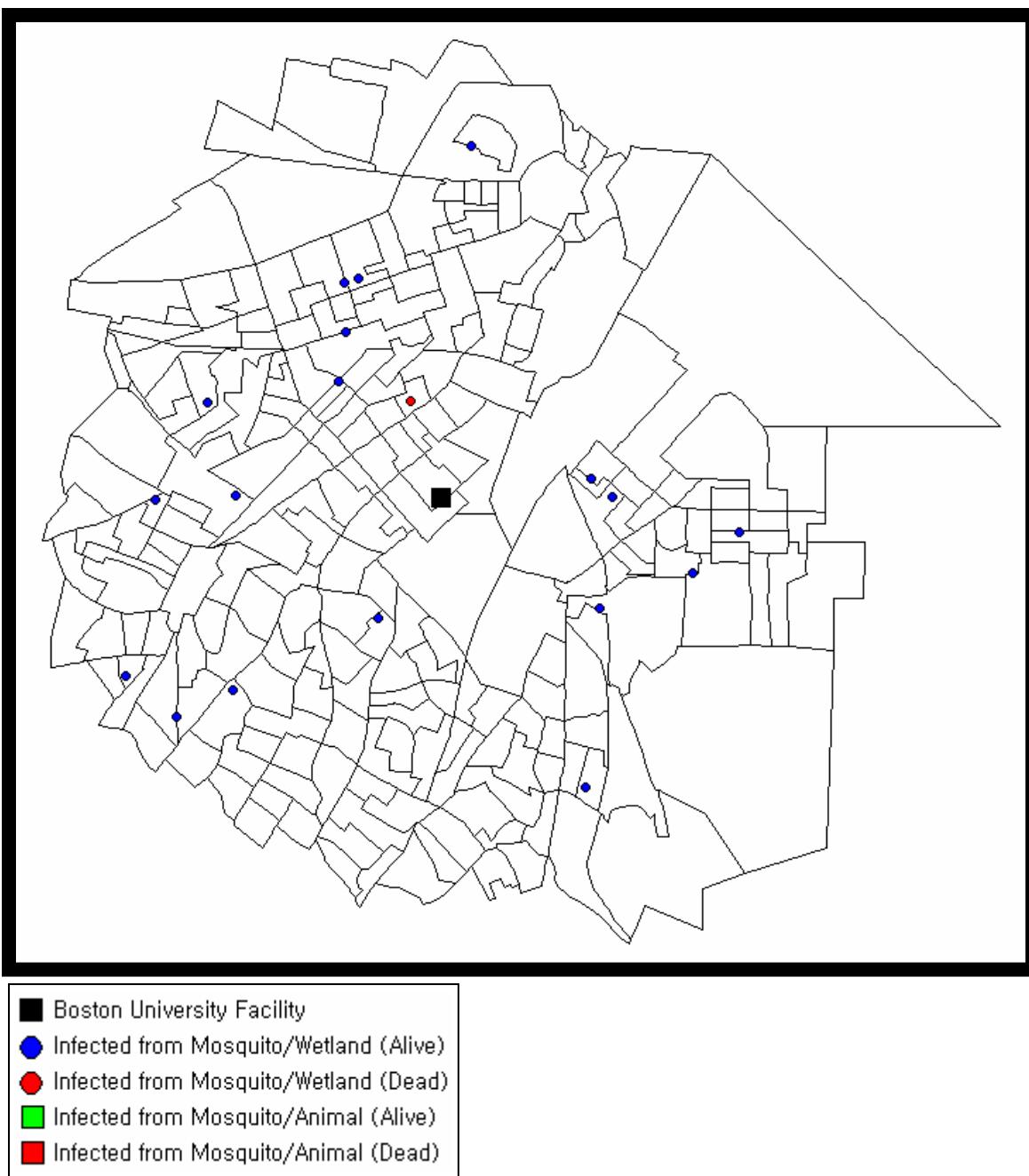
**Rift Valley (BUMC)**



- Boston University Facility
- Infected from Mosquito/Wetland (Alive)
- Infected from Mosquito/Wetland (Dead)
- Infected from Mosquito/Animal (Alive)
- Infected from Mosquito/Animal (Dead)

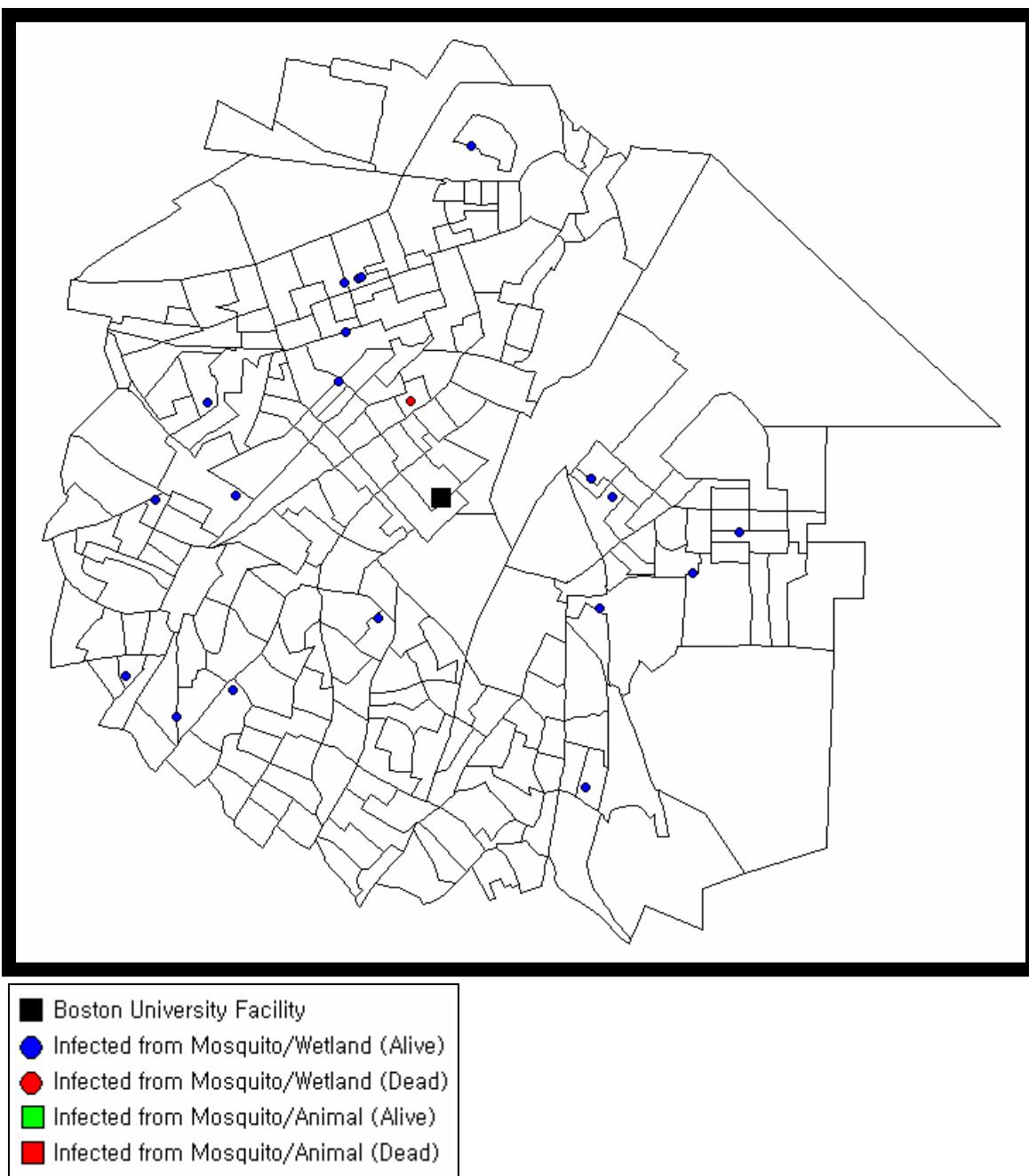
Day13[Infected(#)][Dead(#)]\_(1)(0)

## Rift Valley (BUMC)



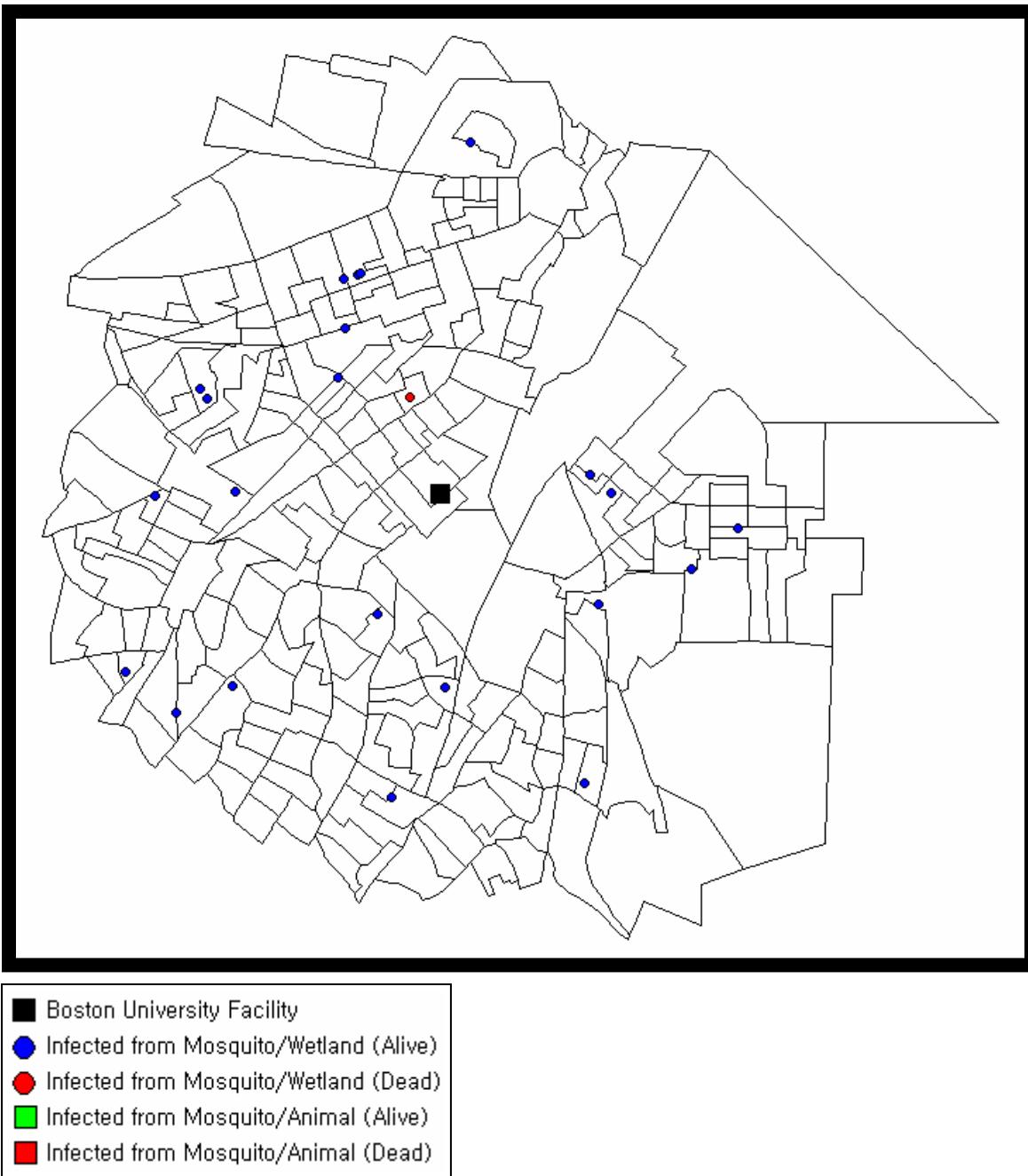
Day14[Infected(#)][Dead(#)]\_(1)(0)

**Rift Valley (BUMC)**



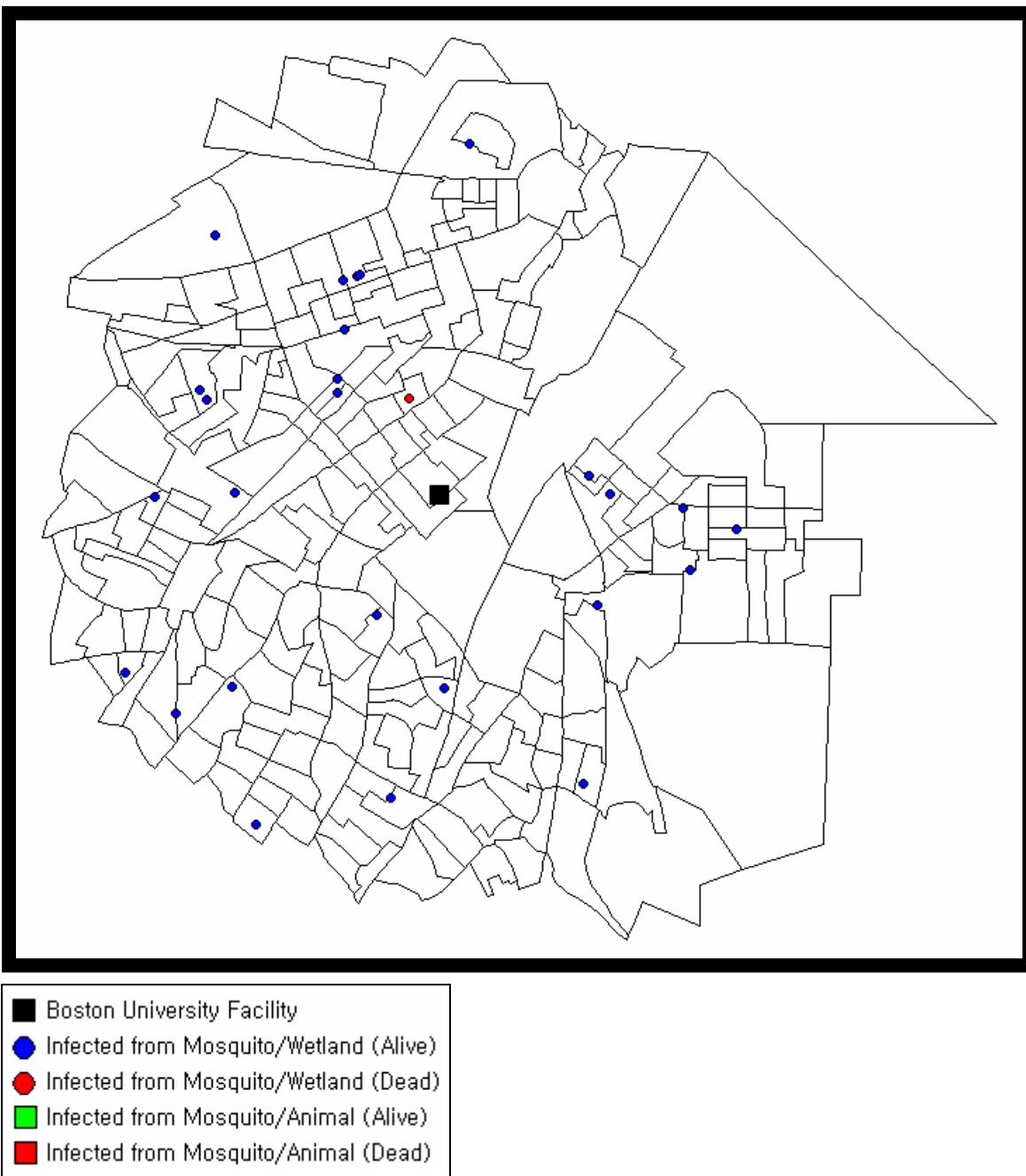
Day15[Infected(#)][Dead(#)]\_(1)(0)

### Rift Valley (BUMC)



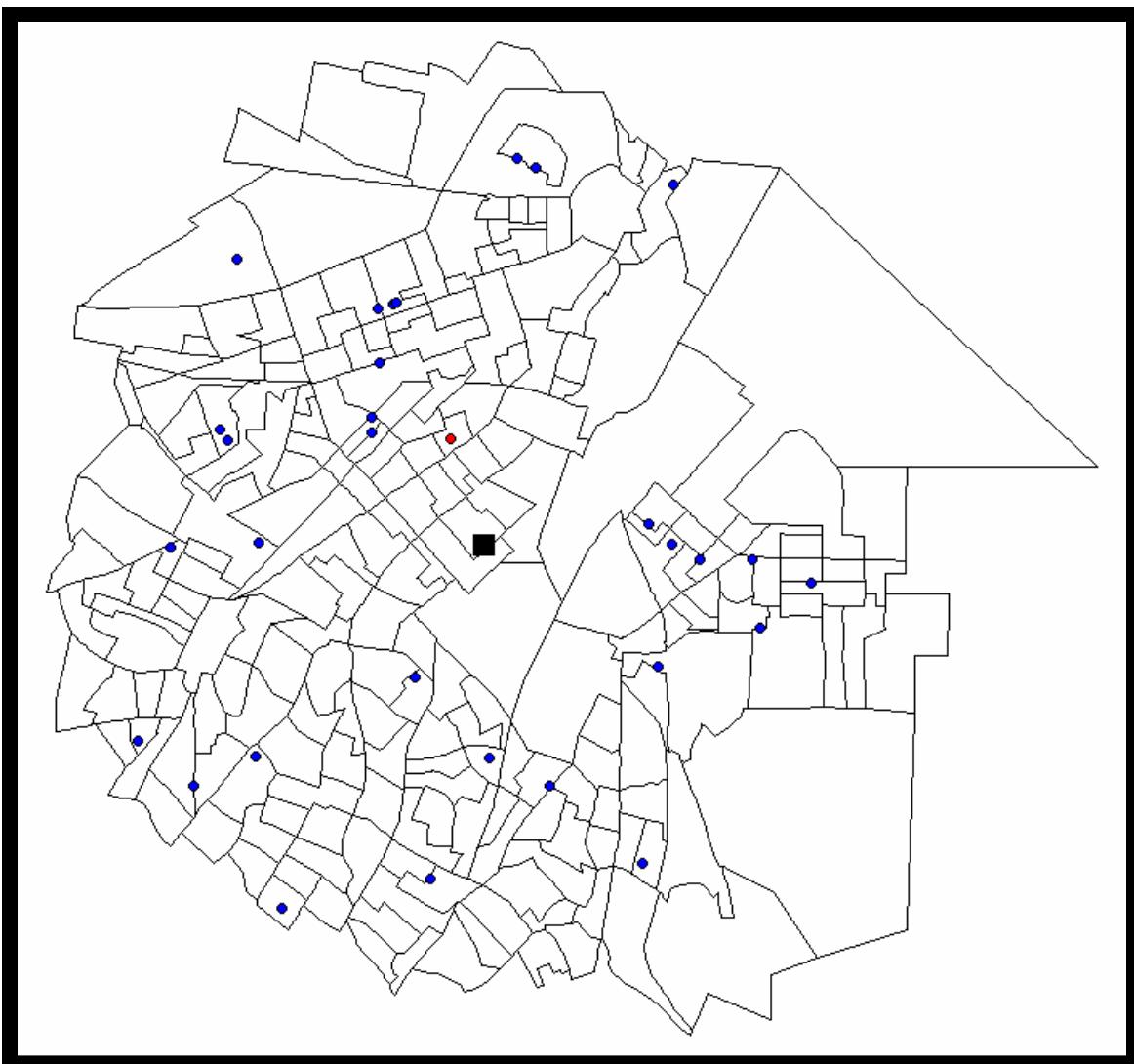
Day16[Infected(#)][Dead(#)]\_(3)(0)

**Rift Valley (BUMC)**



Day17[Infected(#)][Dead(#)]\_(4)(0)

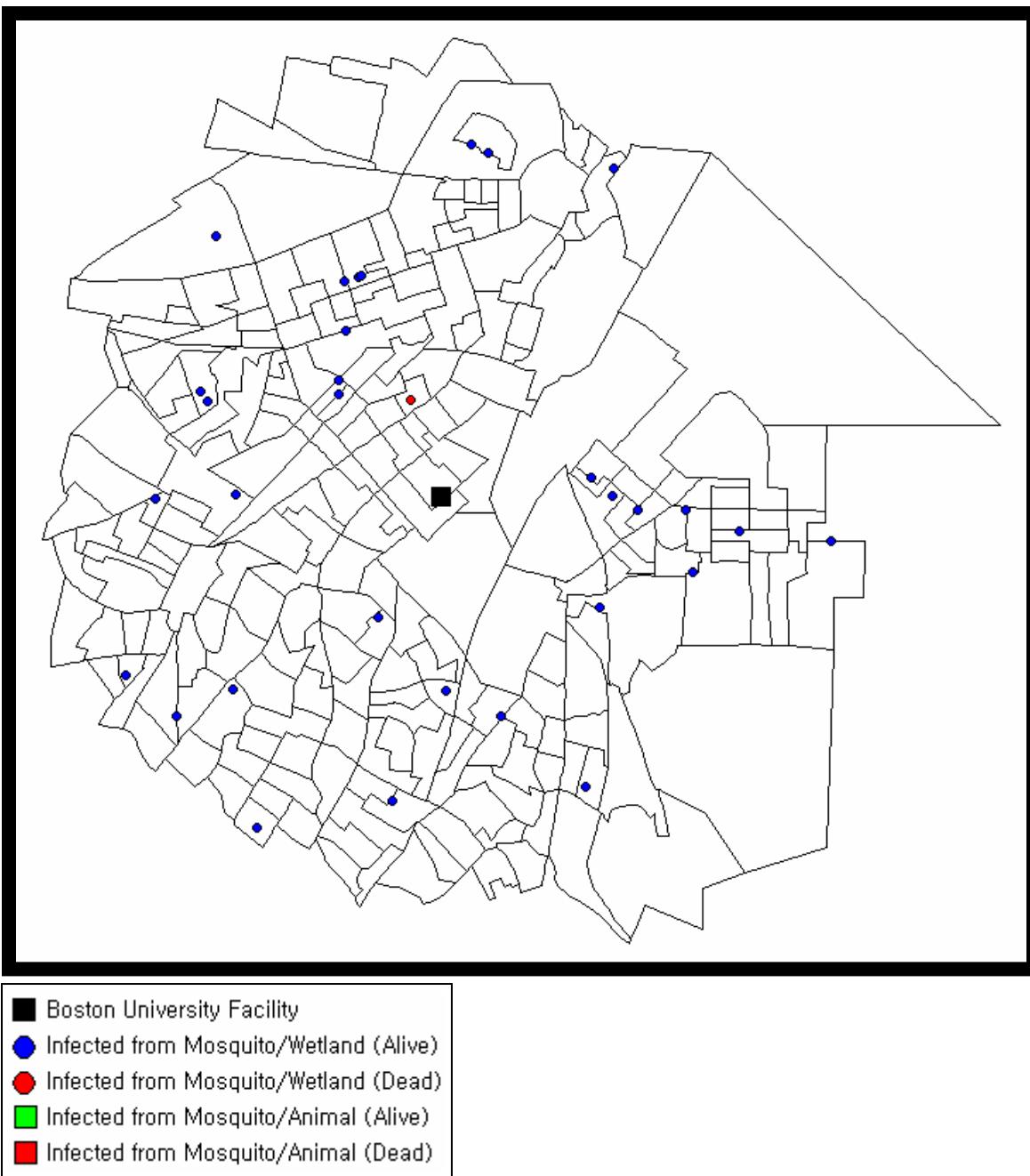
**Rift Valley (BUMC)**



- Boston University Facility
- Infected from Mosquito/Wetland (Alive)
- Infected from Mosquito/Wetland (Dead)
- Infected from Mosquito/Animal (Alive)
- Infected from Mosquito/Animal (Dead)

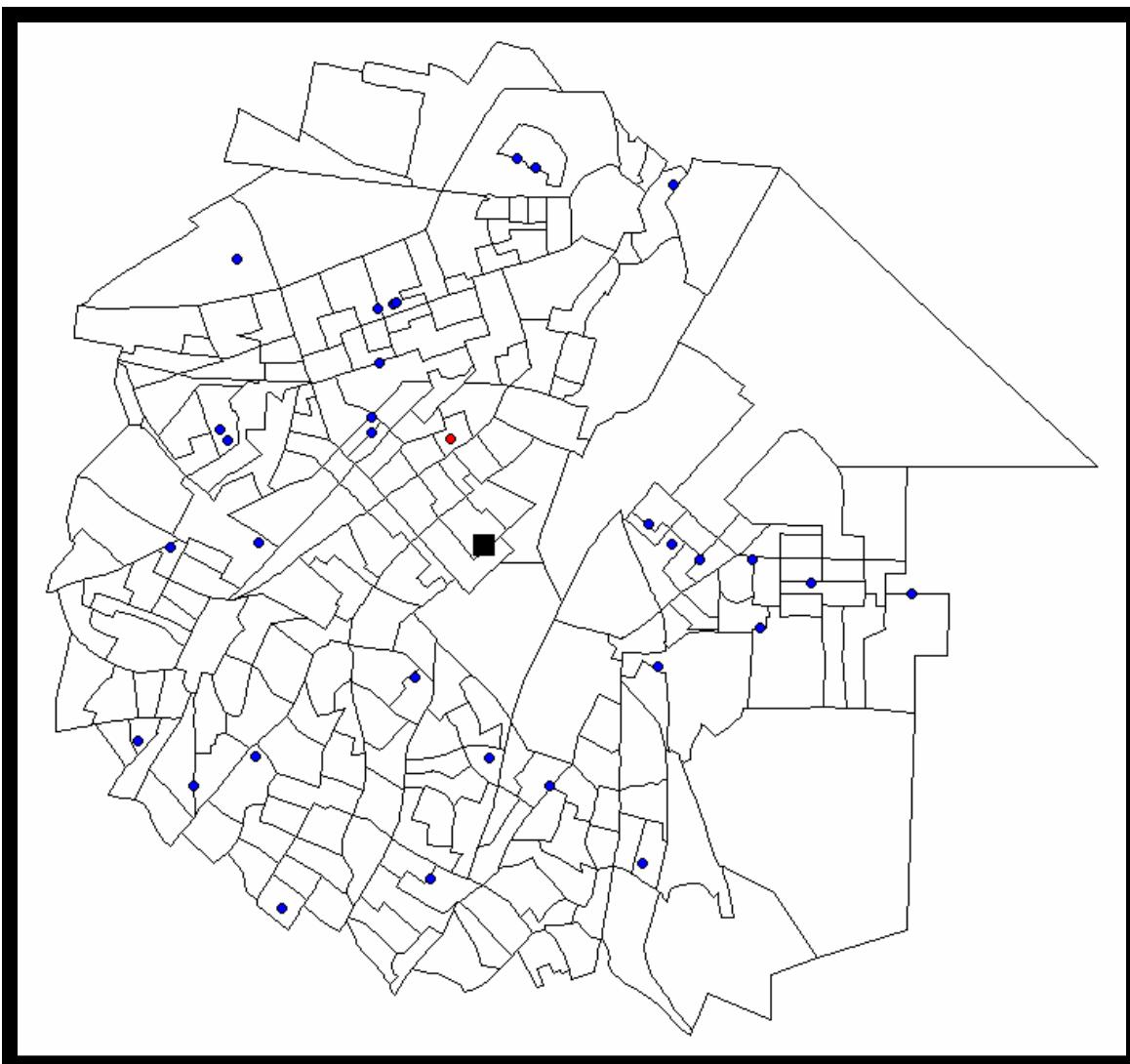
Day18[Infected(#)][Dead(#)]\_(4)(0)

**Rift Valley (BUMC)**



Day19[Infected(#)][Dead(#)]\_(1)(0)

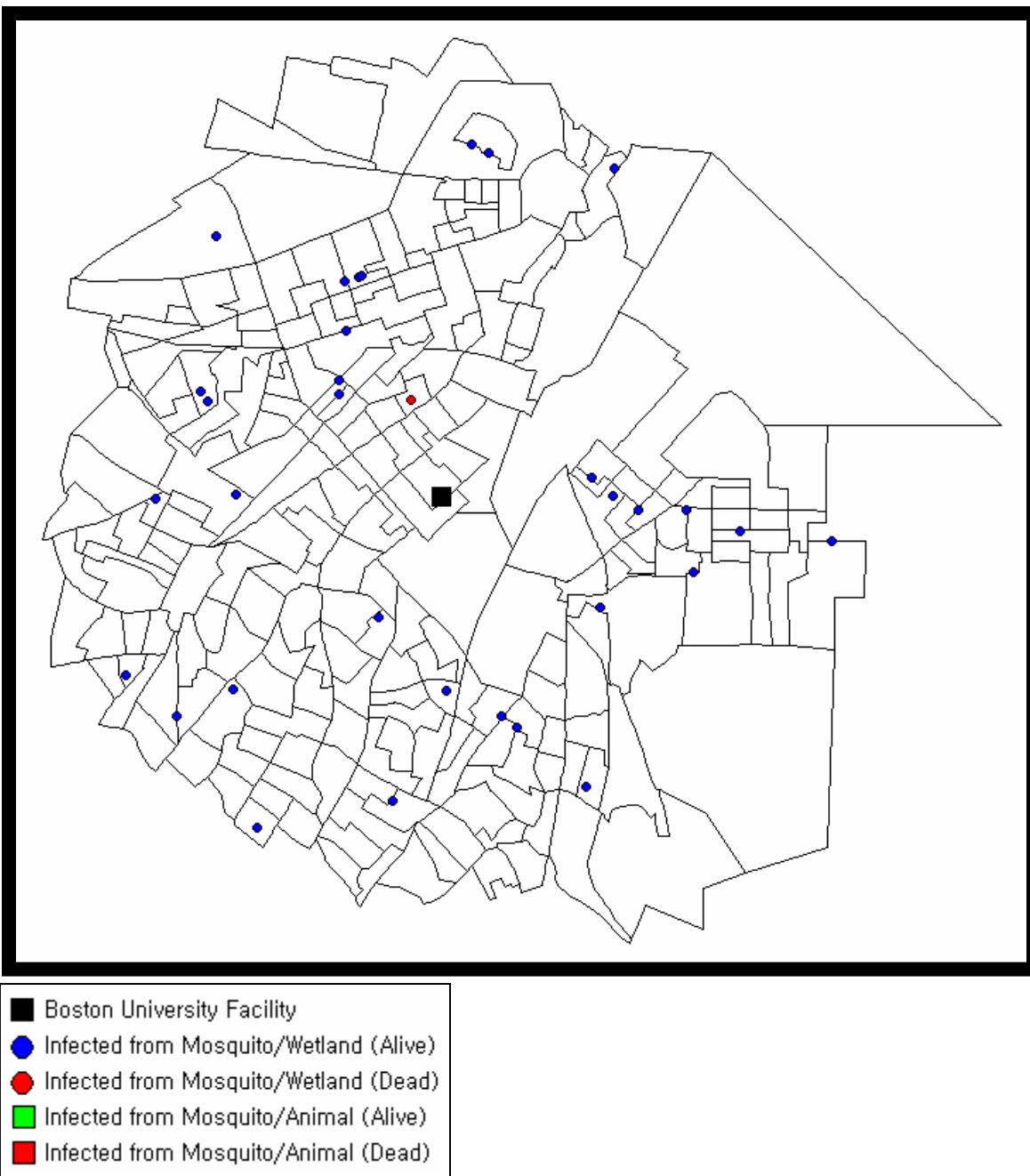
**Rift Valley (BUMC)**



- Boston University Facility
- Infected from Mosquito/Wetland (Alive)
- Infected from Mosquito/Wetland (Dead)
- Infected from Mosquito/Animal (Alive)
- Infected from Mosquito/Animal (Dead)

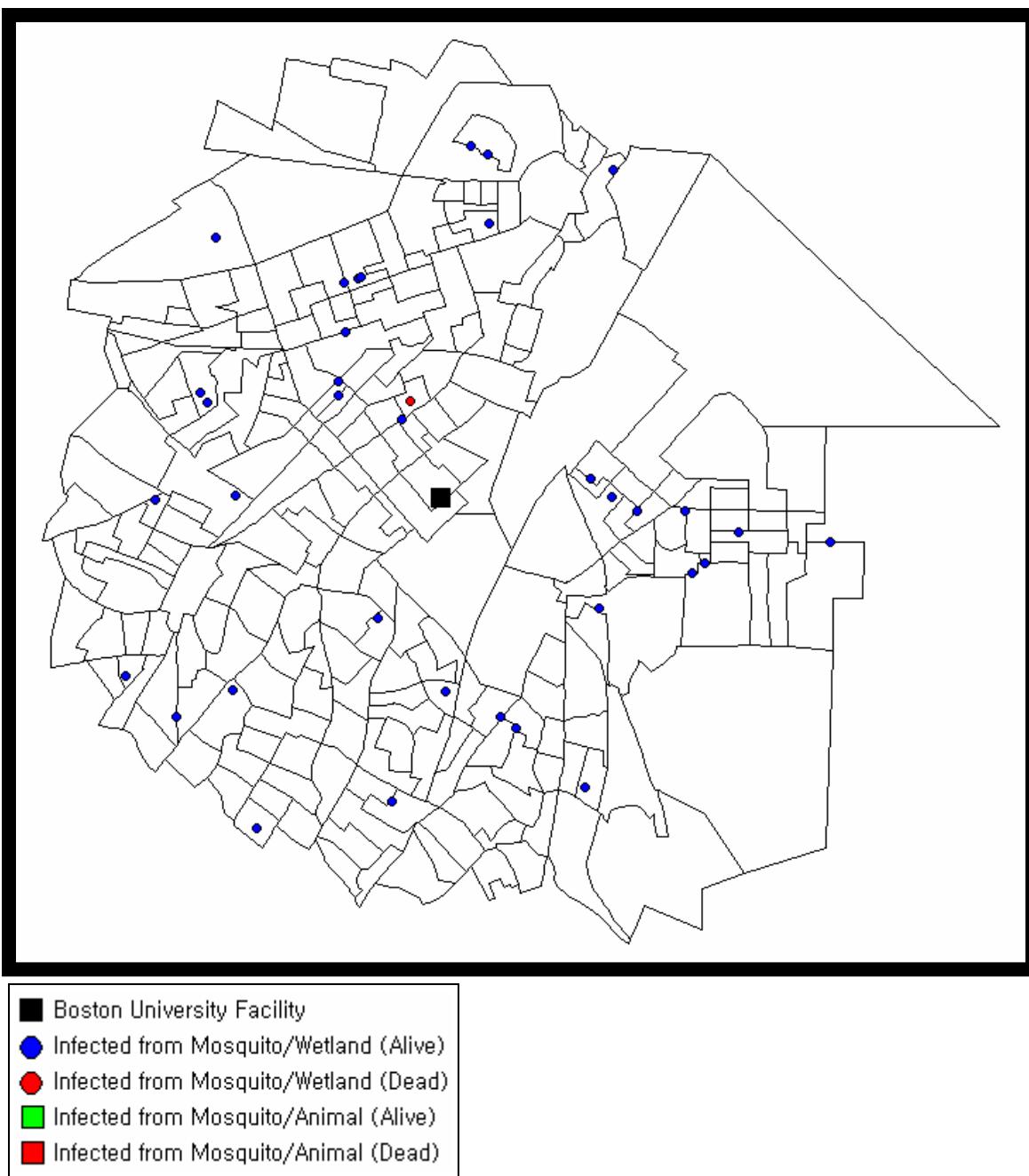
Day20[Infected(#)][Dead(#)]\_(0)(0)

## Rift Valley (BUMC)



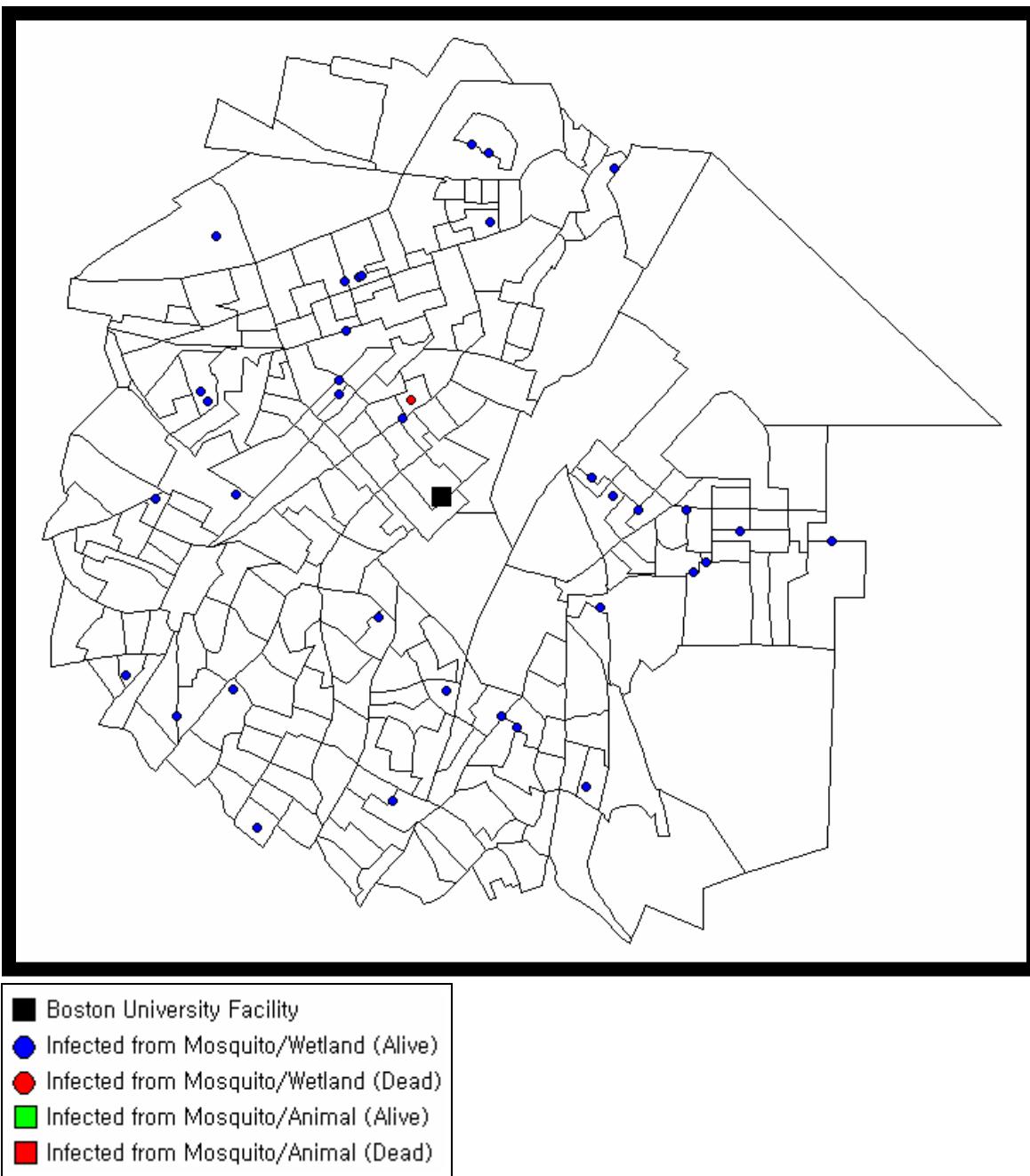
Day21[Infected(#)][Dead(#)]\_(1)(0)

### Rift Valley (BUMC)



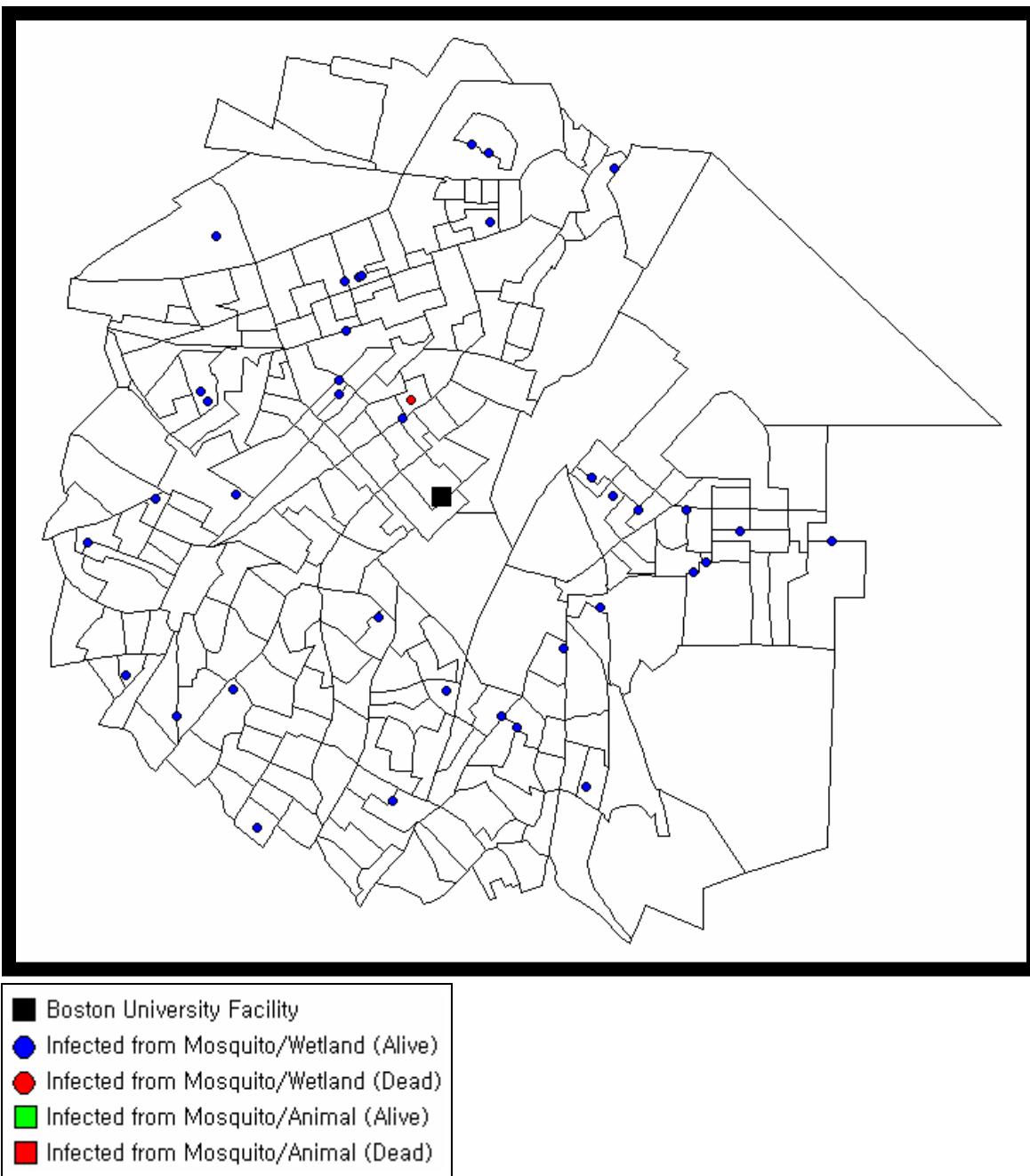
Day22[Infected(#)][Dead(#)]\_(3)(0)

## Rift Valley (BUMC)



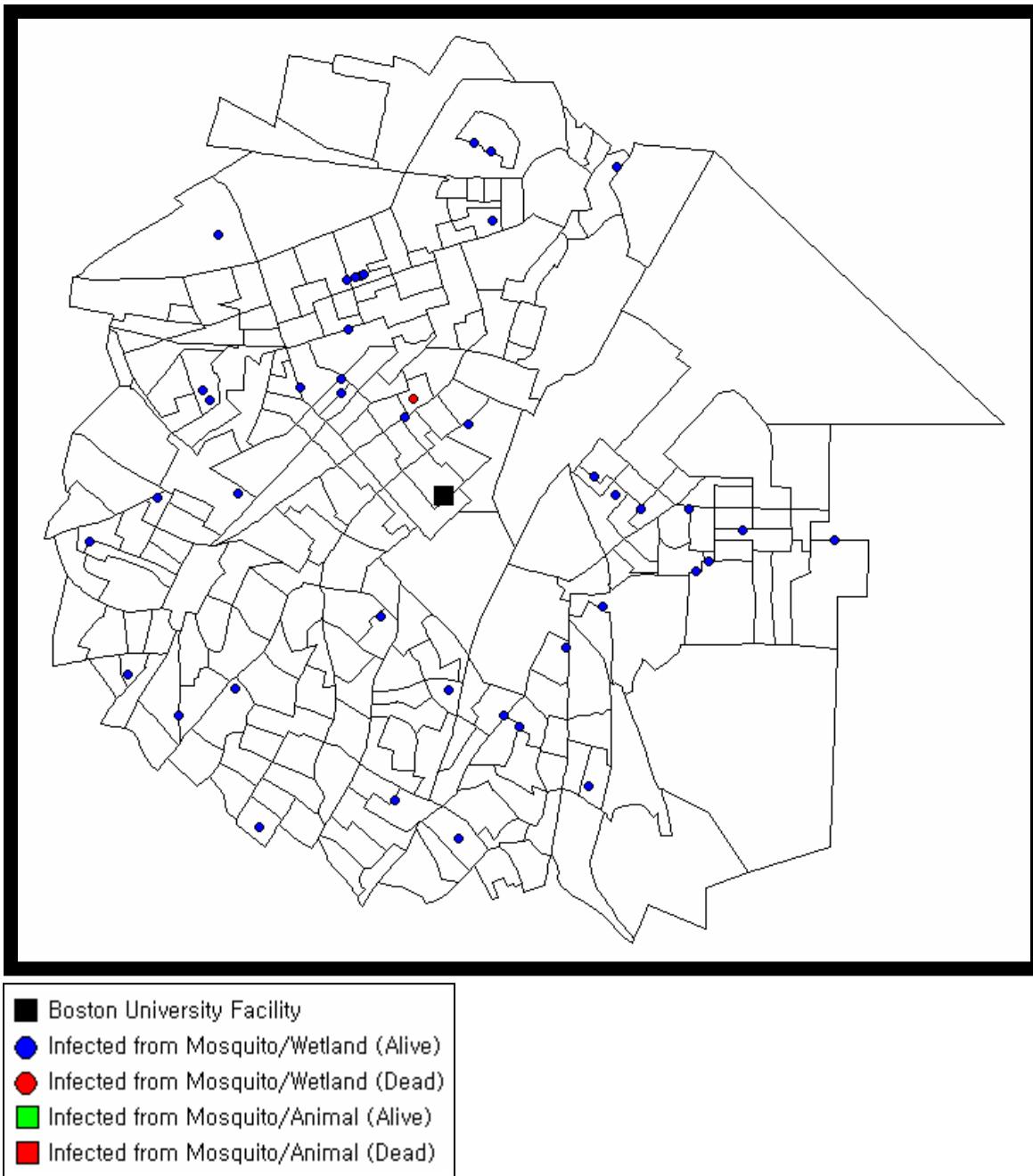
Day23[Infected(#)][Dead(#)]\_(0)(0)

### Rift Valley (BUMC)



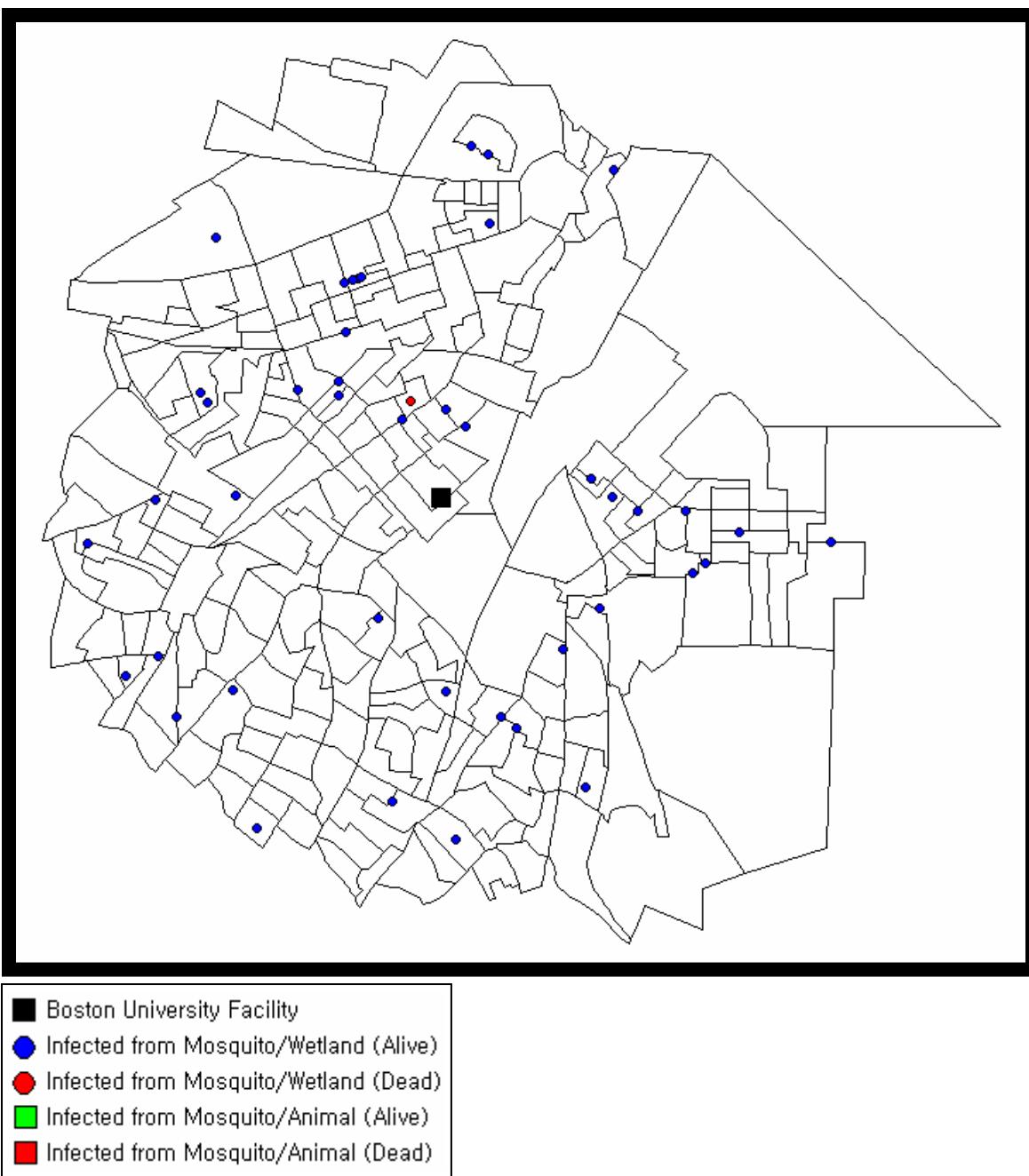
Day24[Infected(#)][Dead(#)]\_(2)(0)

**Rift Valley (BUMC)**



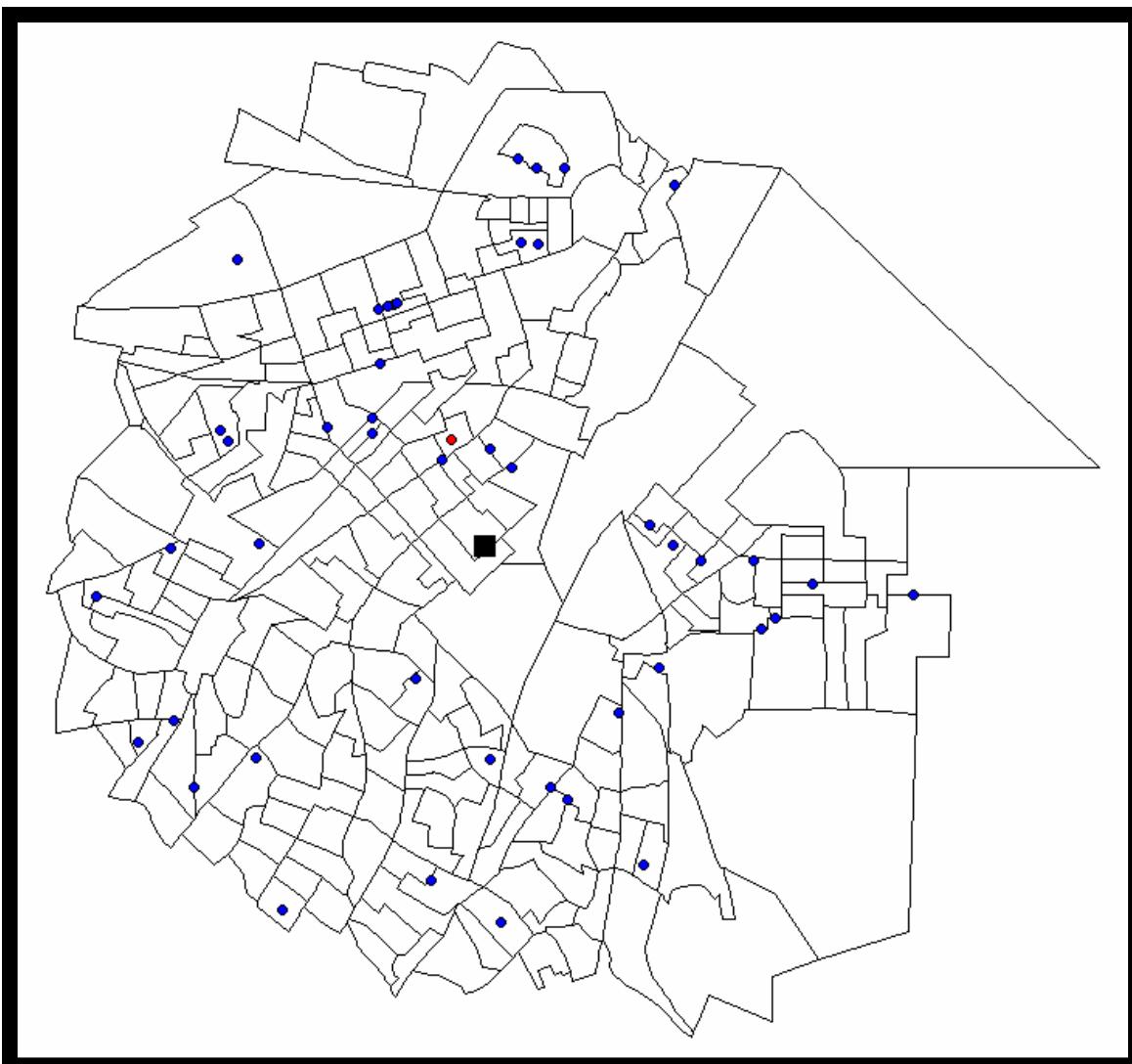
Day25[Infected(#)][Dead(#)]\_(4)(0)

**Rift Valley (BUMC)**



Day26[Infected(#)][Dead(#)]\_(2)(0)

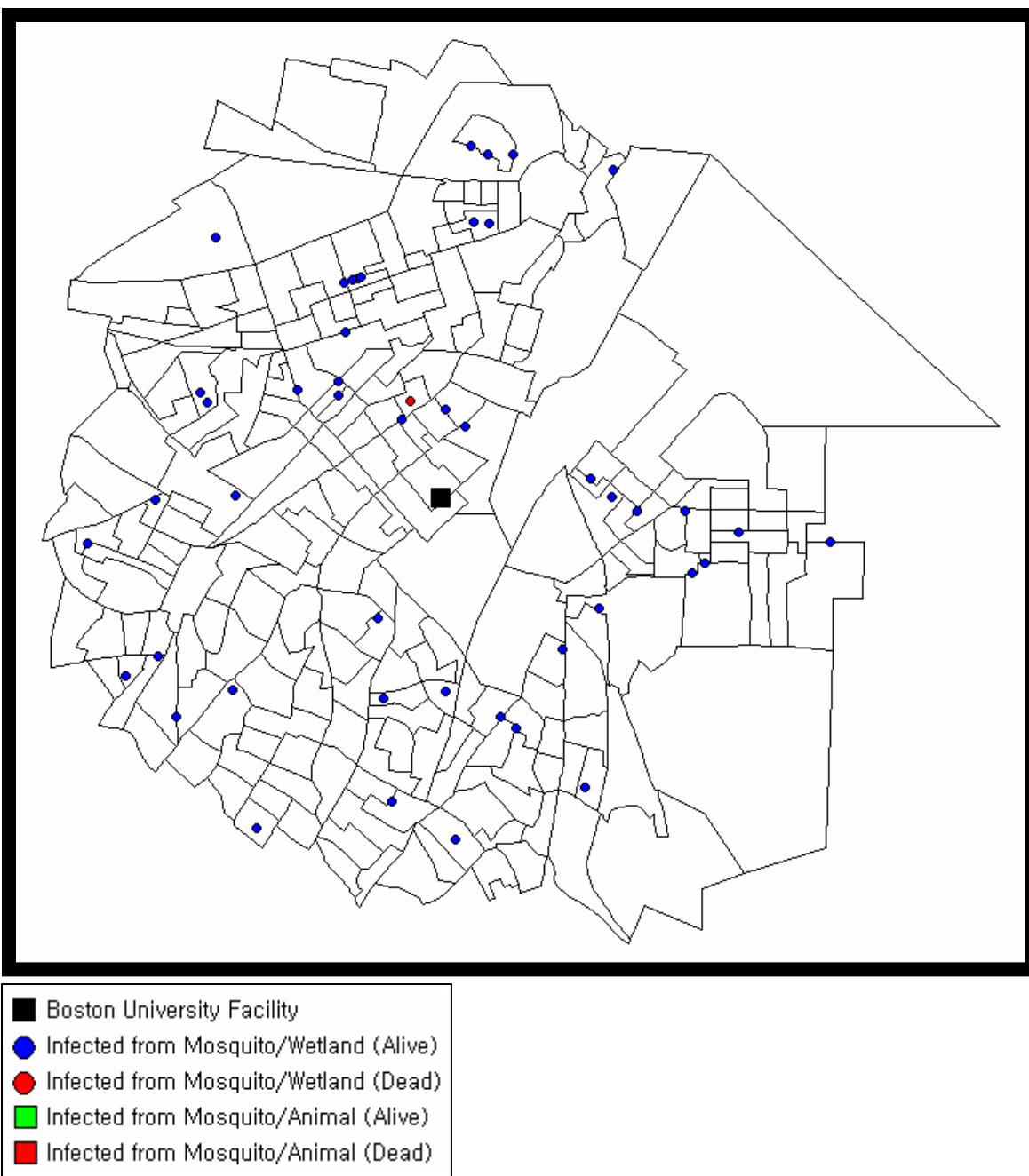
**Rift Valley (BUMC)**



- Boston University Facility
- Infected from Mosquito/Wetland (Alive)
- Infected from Mosquito/Wetland (Dead)
- Infected from Mosquito/Animal (Alive)
- Infected from Mosquito/Animal (Dead)

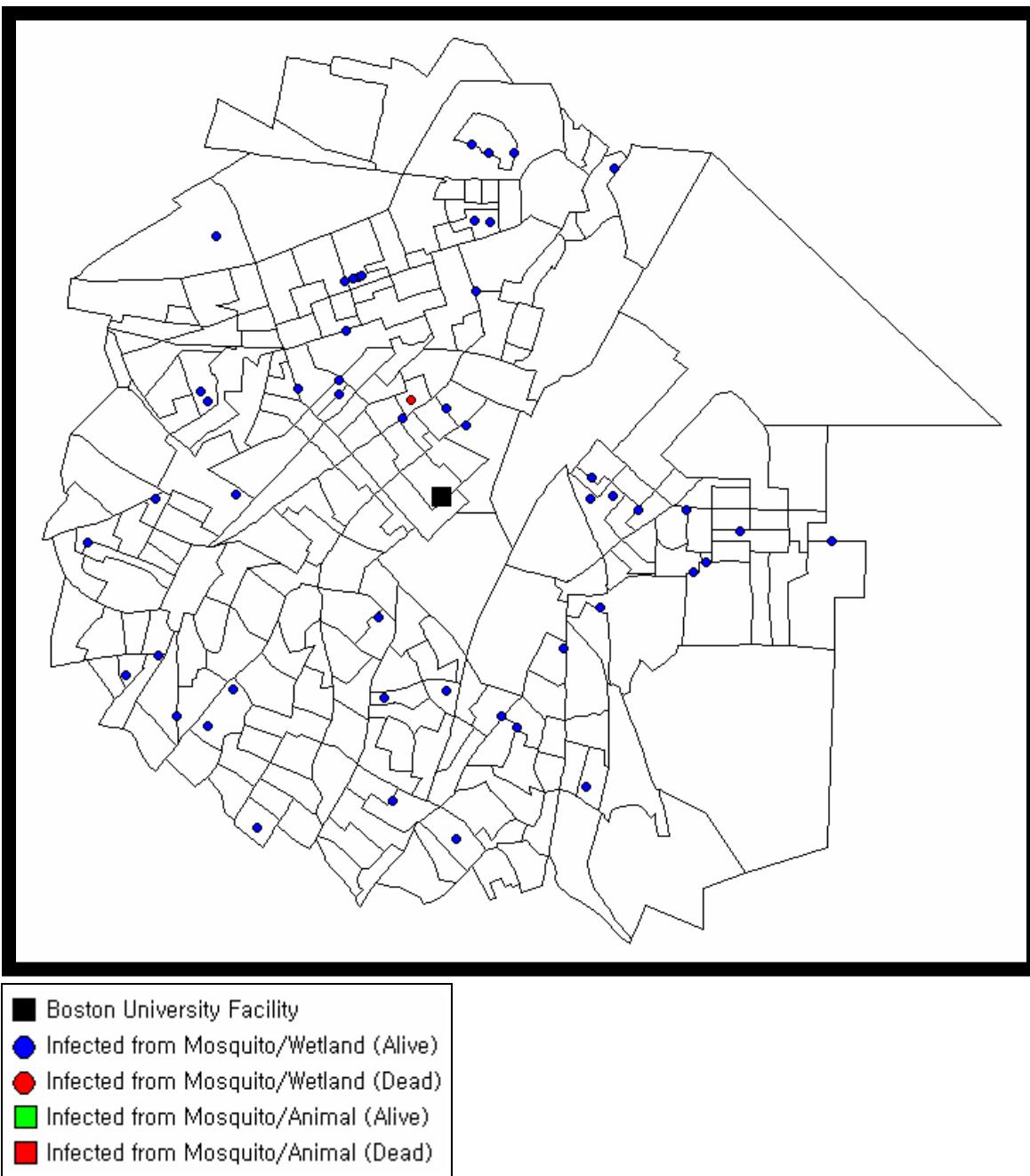
Day27[Infected(#)][Dead(#)]\_(2)(0)

**Rift Valley (BUMC)**



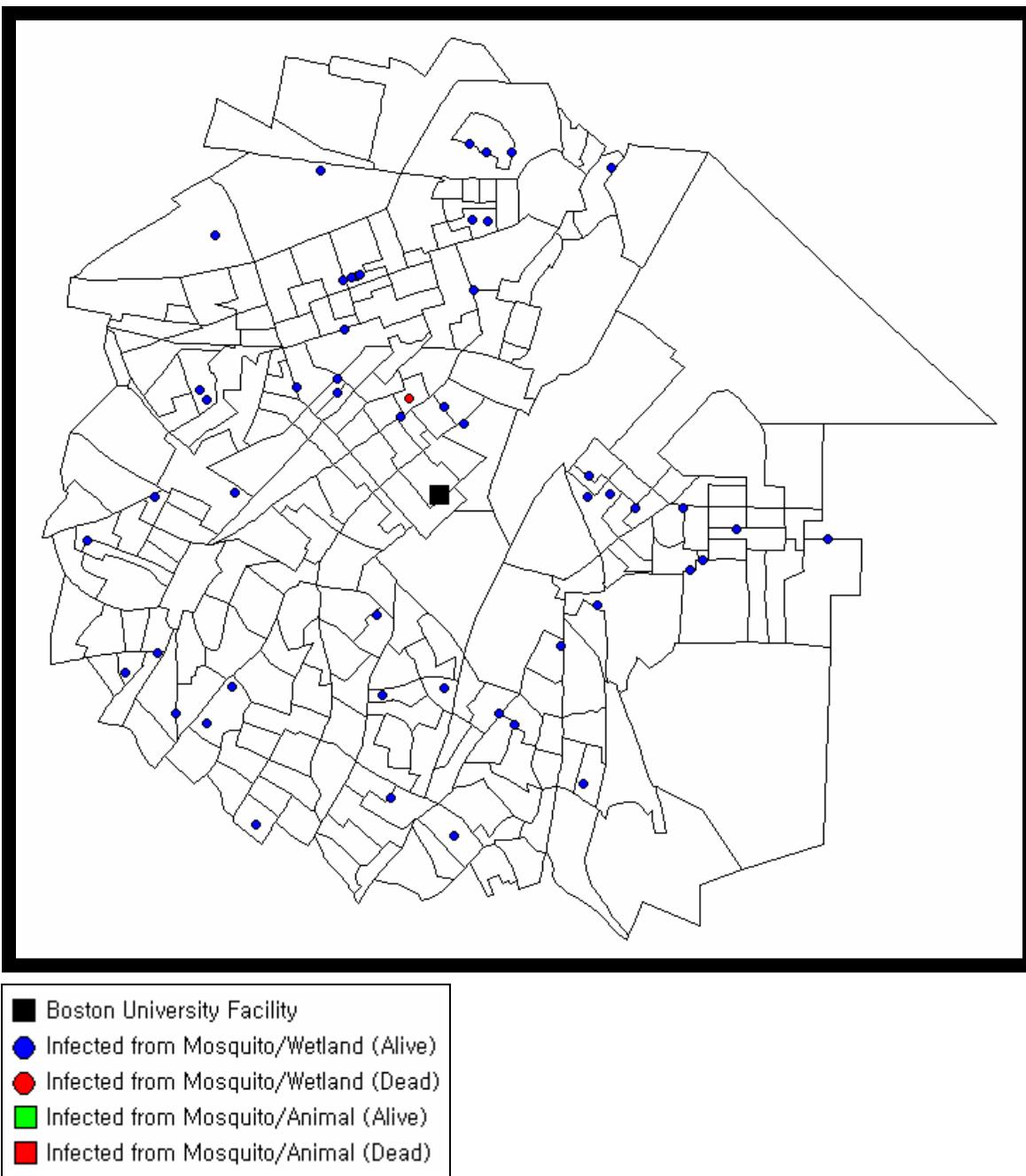
Day28[Infected(#)][Dead(#)]\_(1)(0)

**Rift Valley (BUMC)**



Day29[Infected(#)][Dead(#)]\_(3)(0)

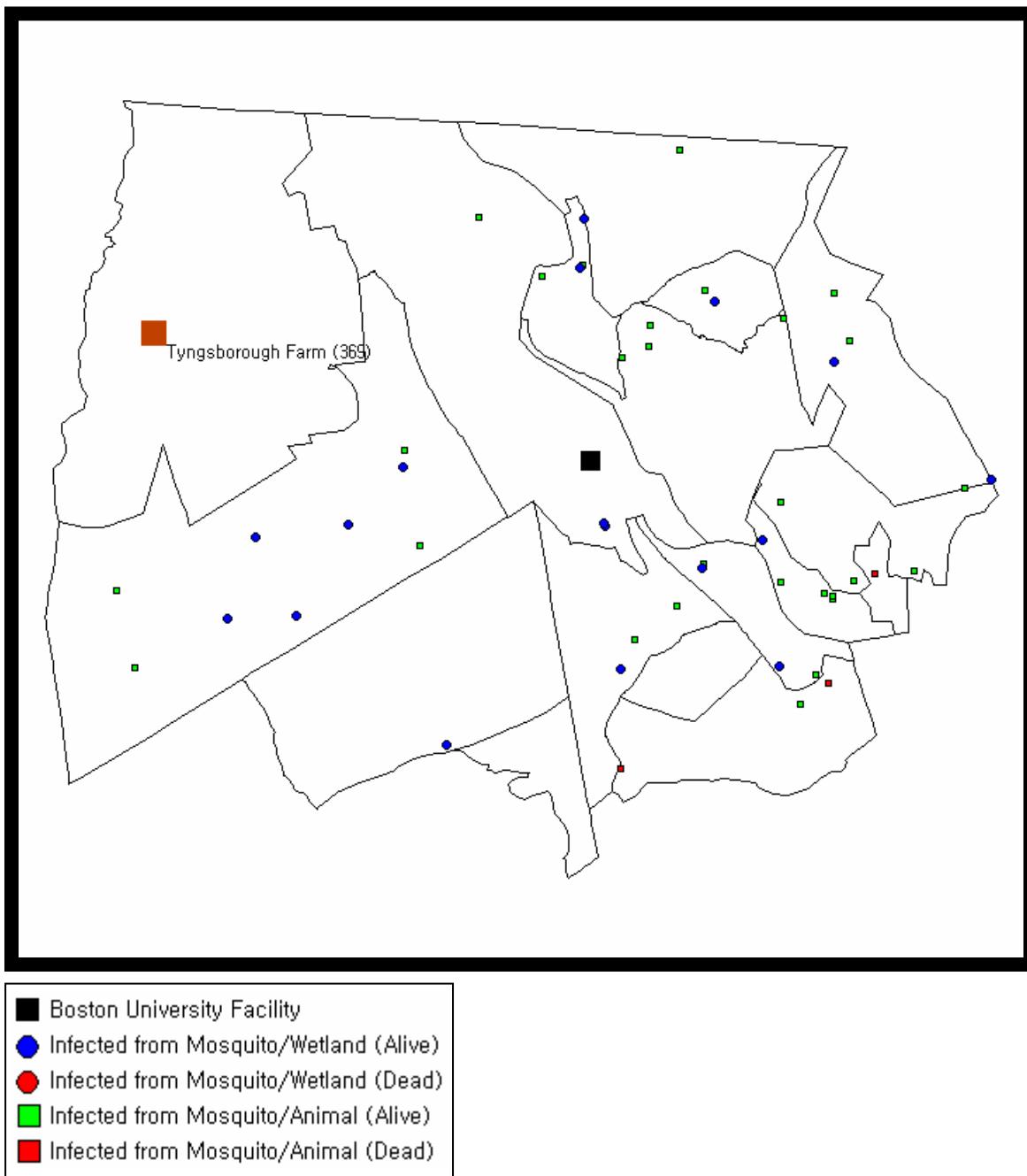
### Rift Valley (BUMC)



Day30[Infected(#)][Dead(#)]\_(1)(0)

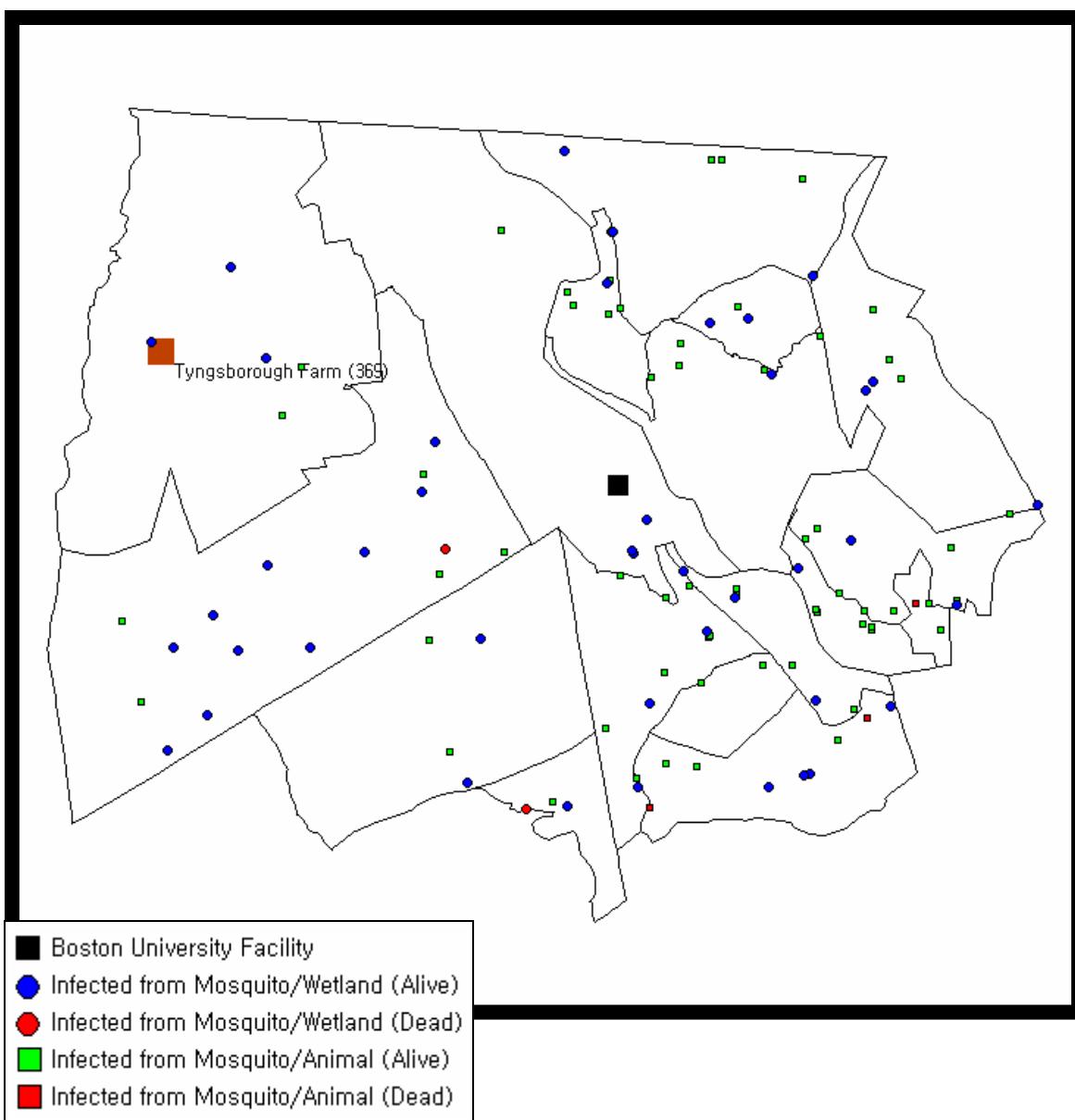
**Rift Valley (BUMC)**

## **Rift Valley (Tyngsborough)**



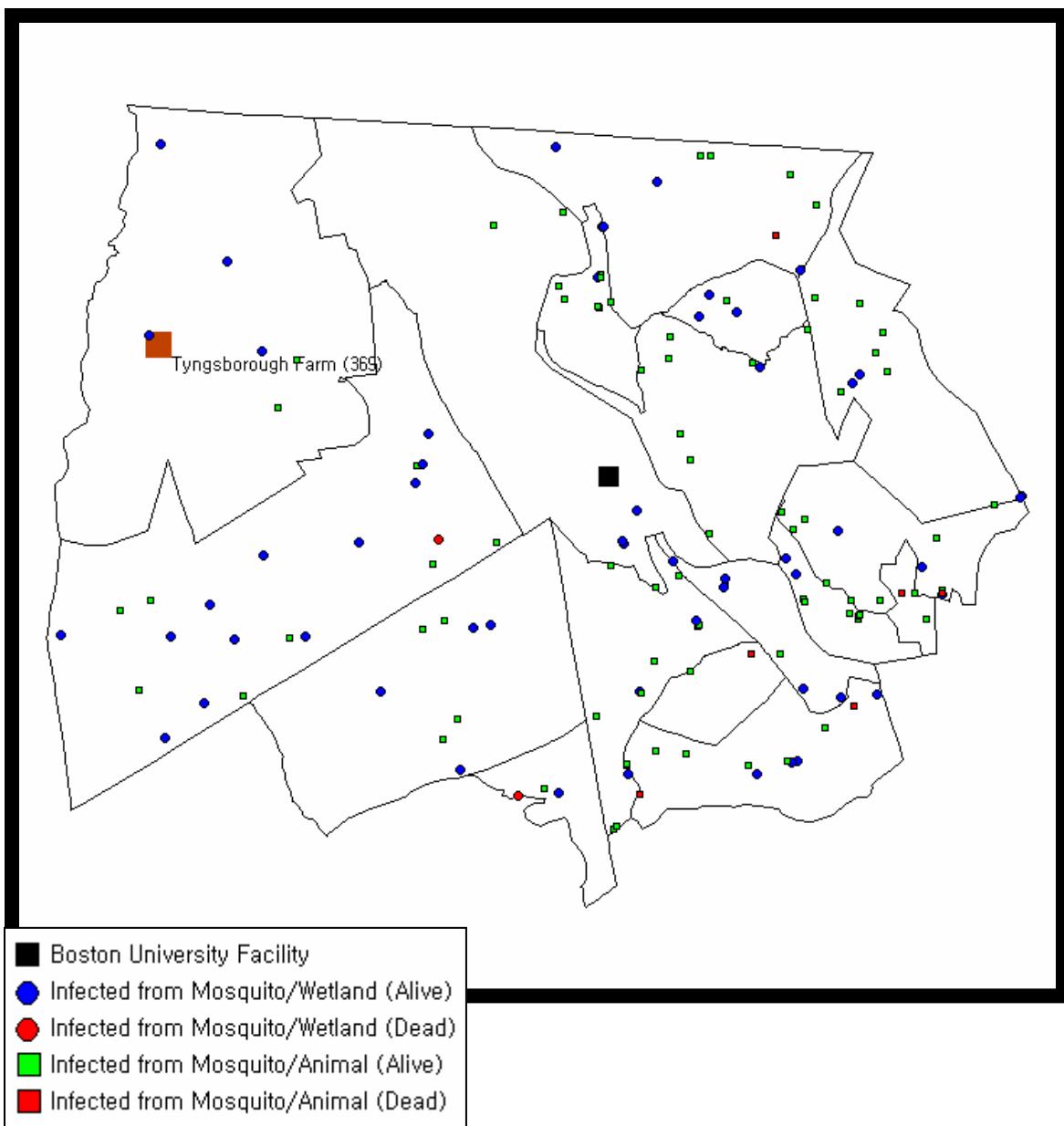
Day1[Infected(#)][Dead(#)]\_(49)(3)

## Rift Valley (Tyngsborough)



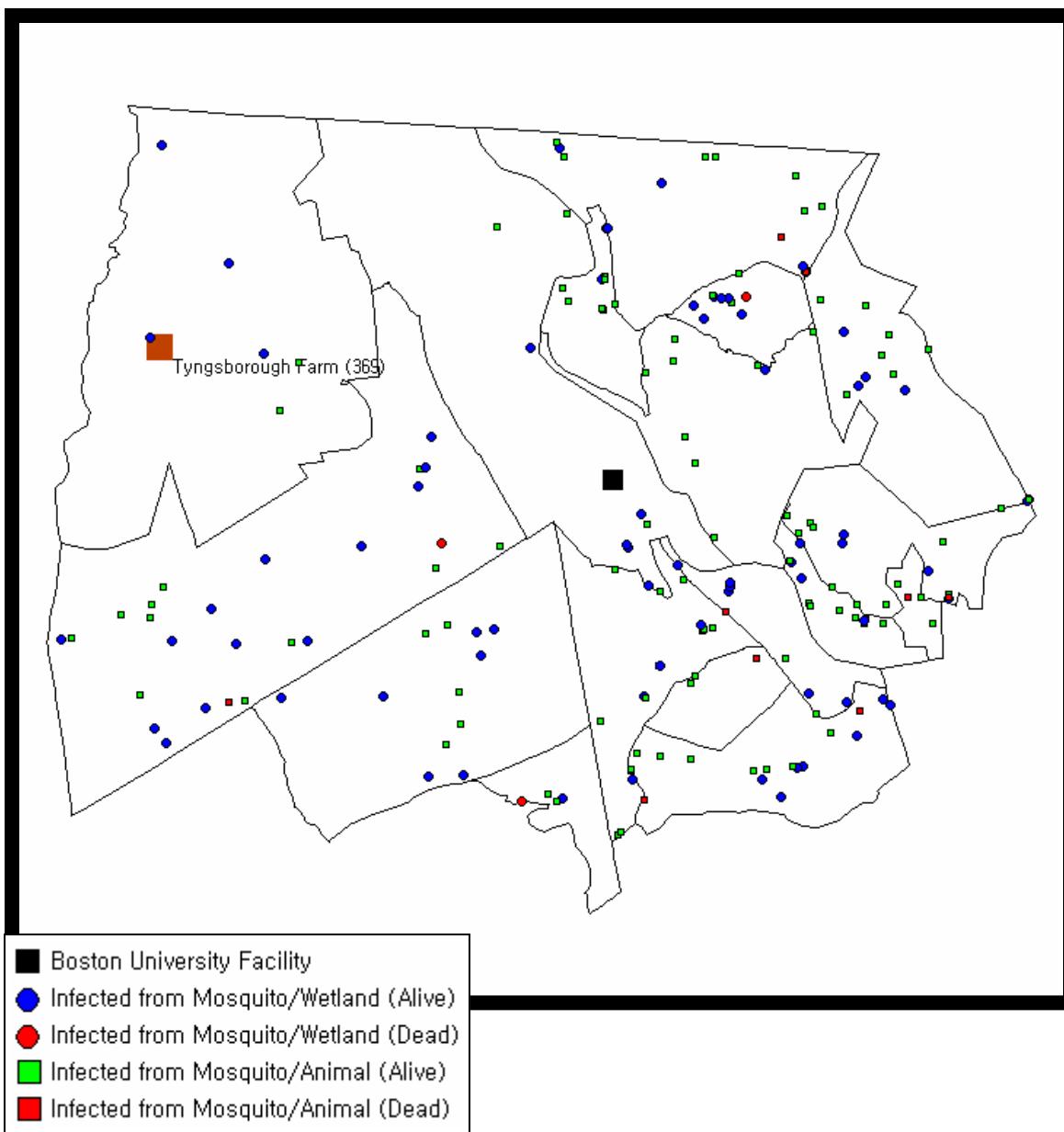
Day2[Infected(#)][Dead(#)]\_(61)(2)

## Rift Valley (Tyngsborough)



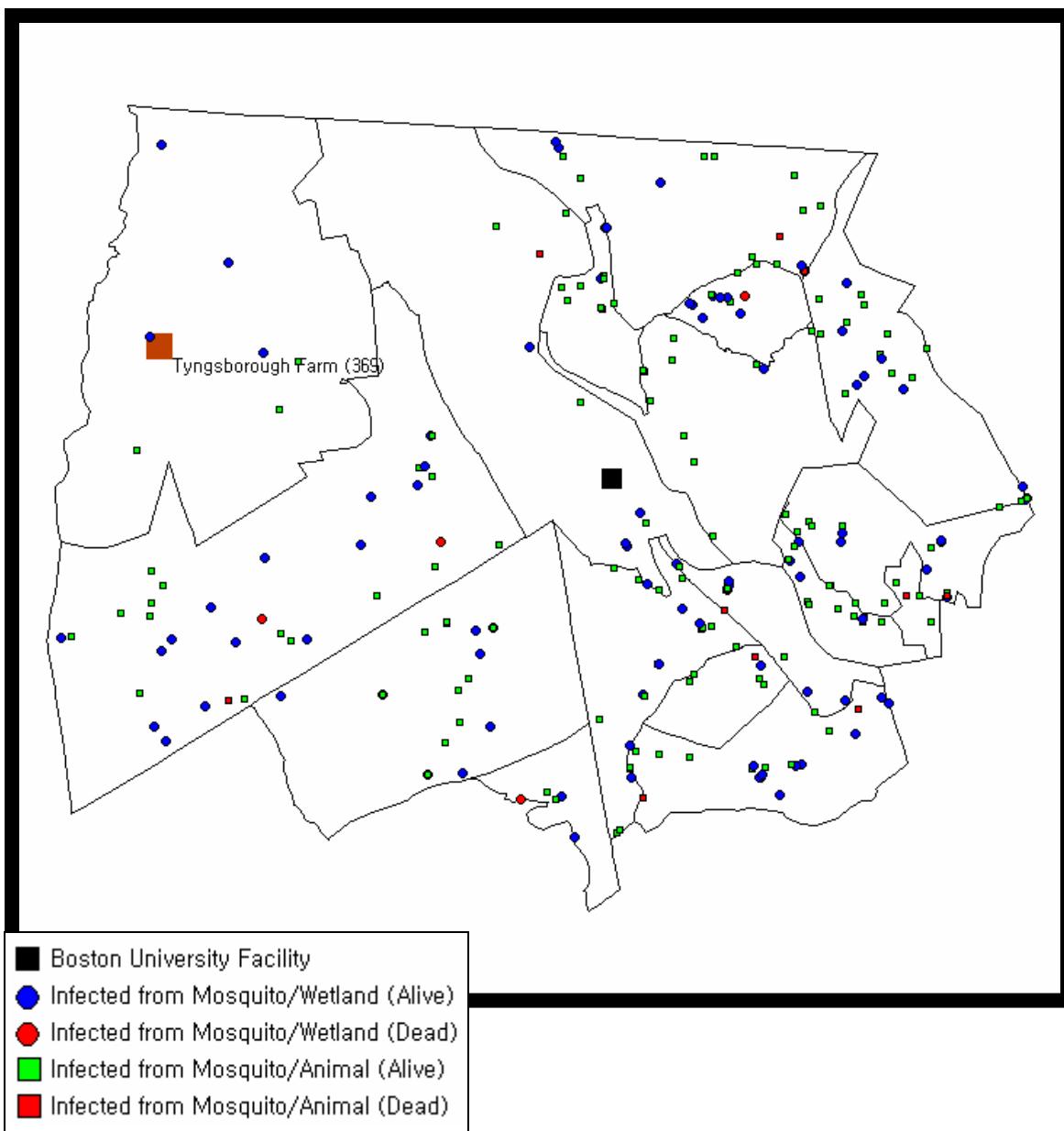
Day3[Infected(#)][Dead(#)]\_(42)(3)

## Rift Valley (Tyngsborough)



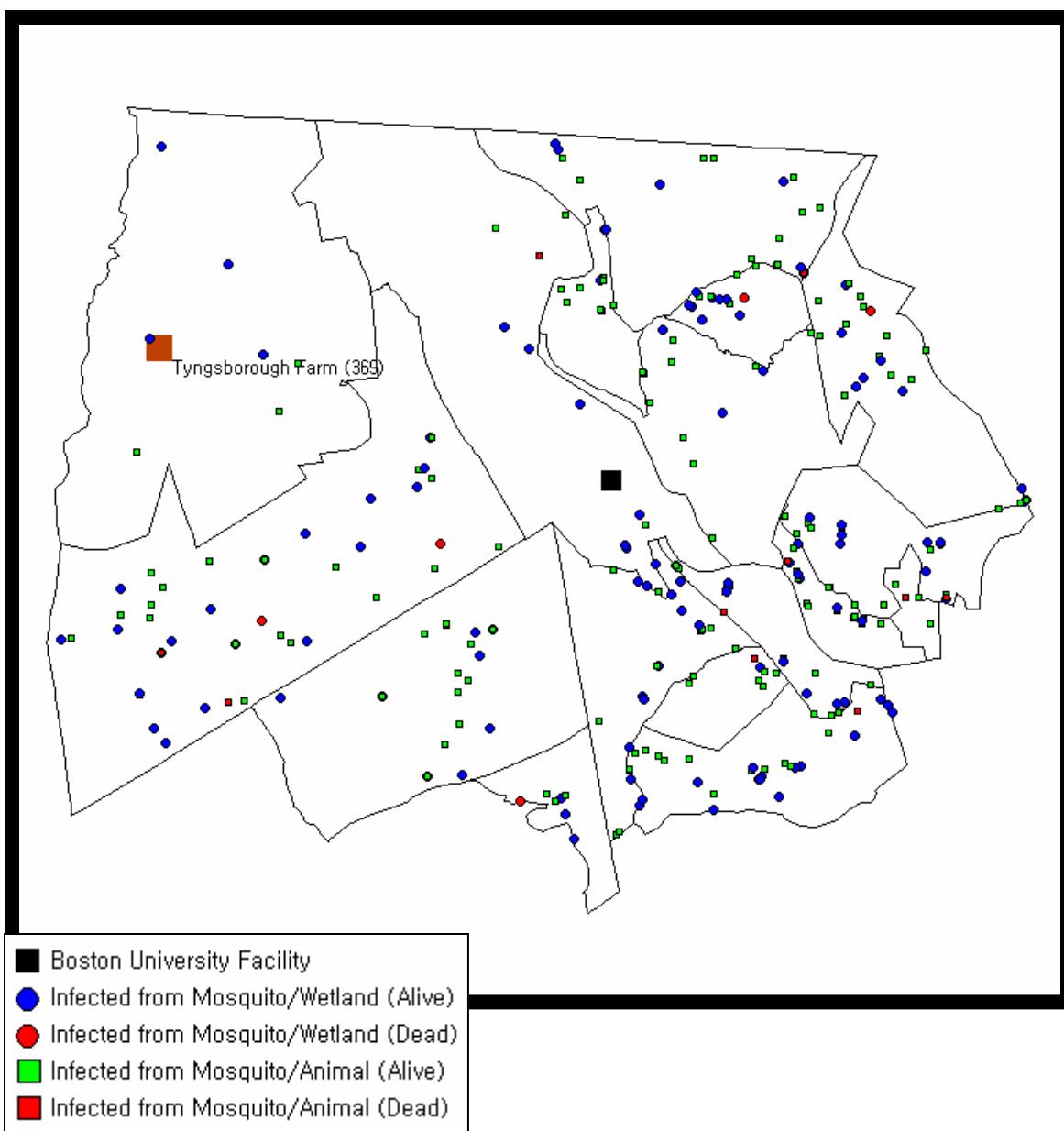
Day4[Infected(#)][Dead(#)]\_(54)(4)

## Rift Valley (Tyngsborough)



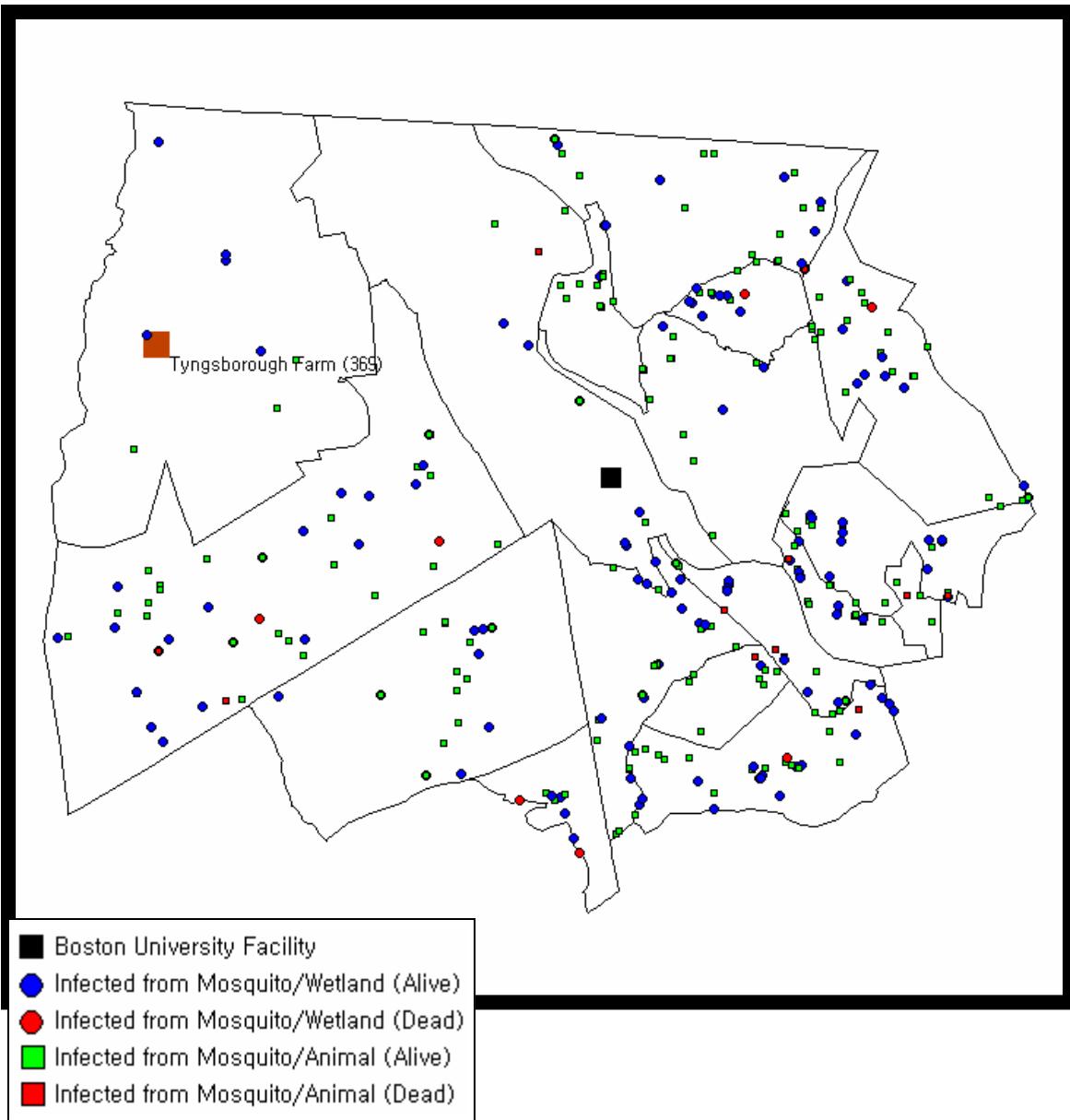
Day5[Infected(#)][Dead(#)]\_(56)(2)

## Rift Valley (Tyngsborough)



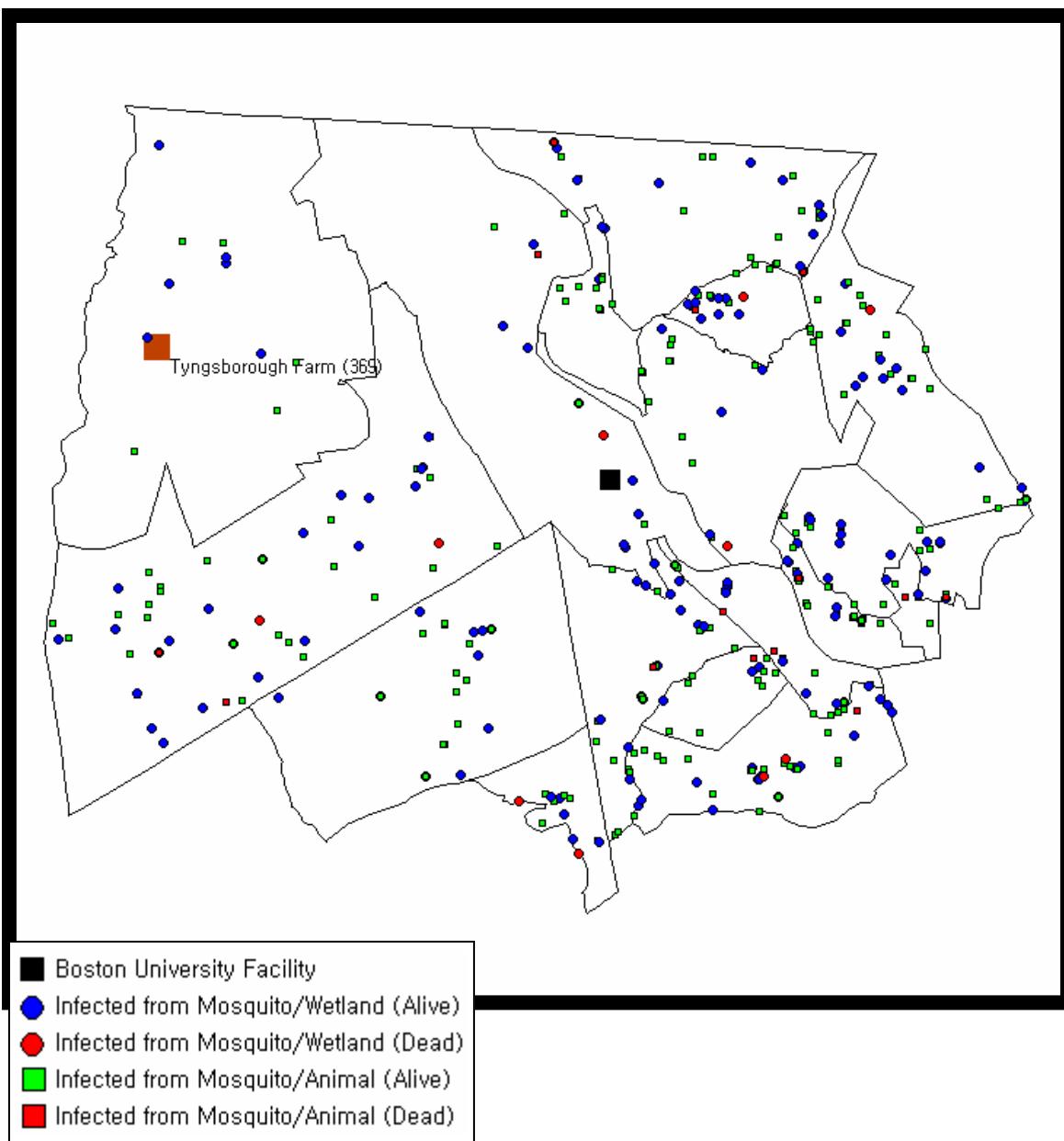
Day6[Infected(#)][Dead(#)]\_(67)(3)

## Rift Valley (Tyngsborough)



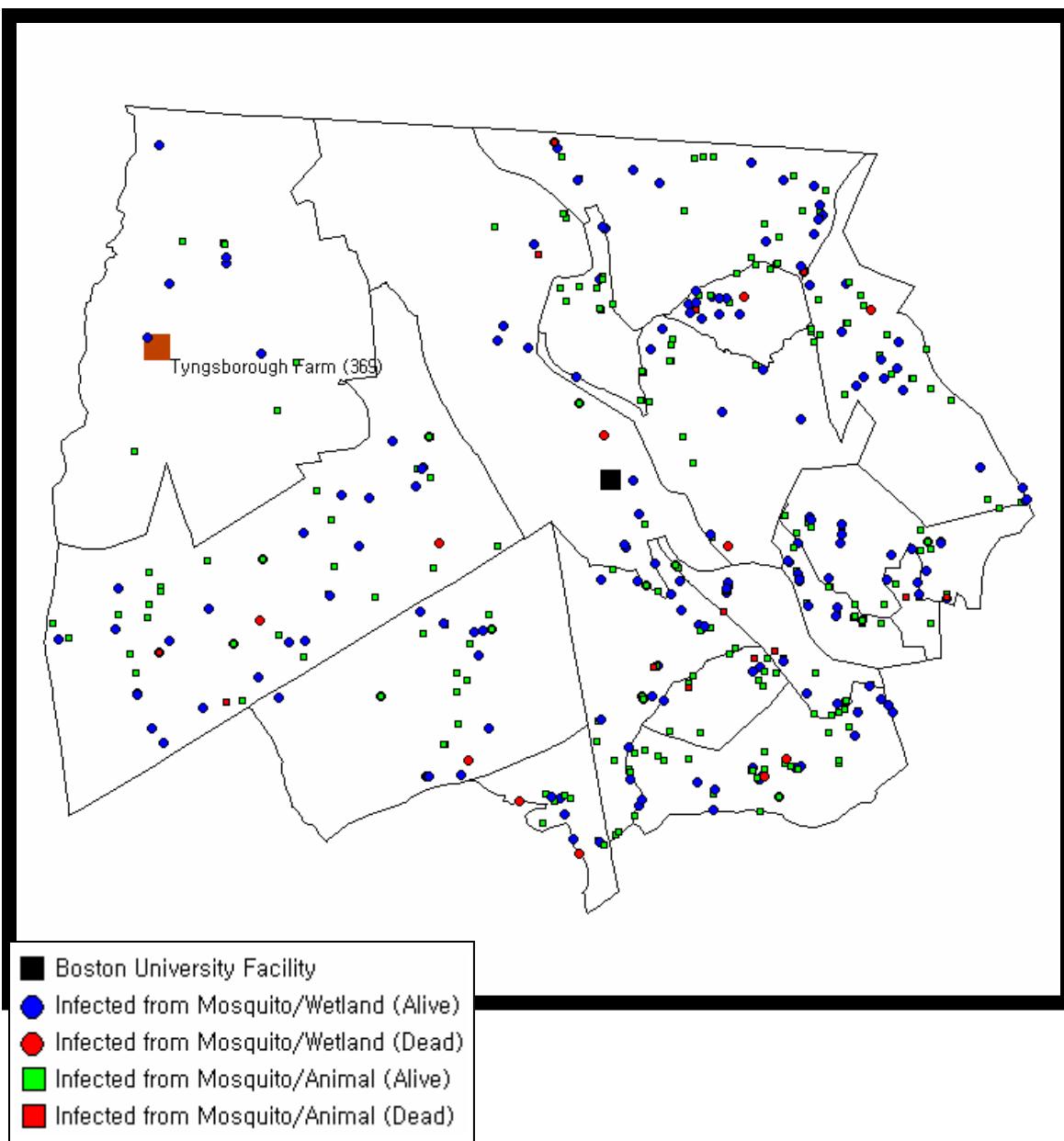
Day7[Infected(#)][Dead(#)]\_(50)(3)

## Rift Valley (Tyngsborough)



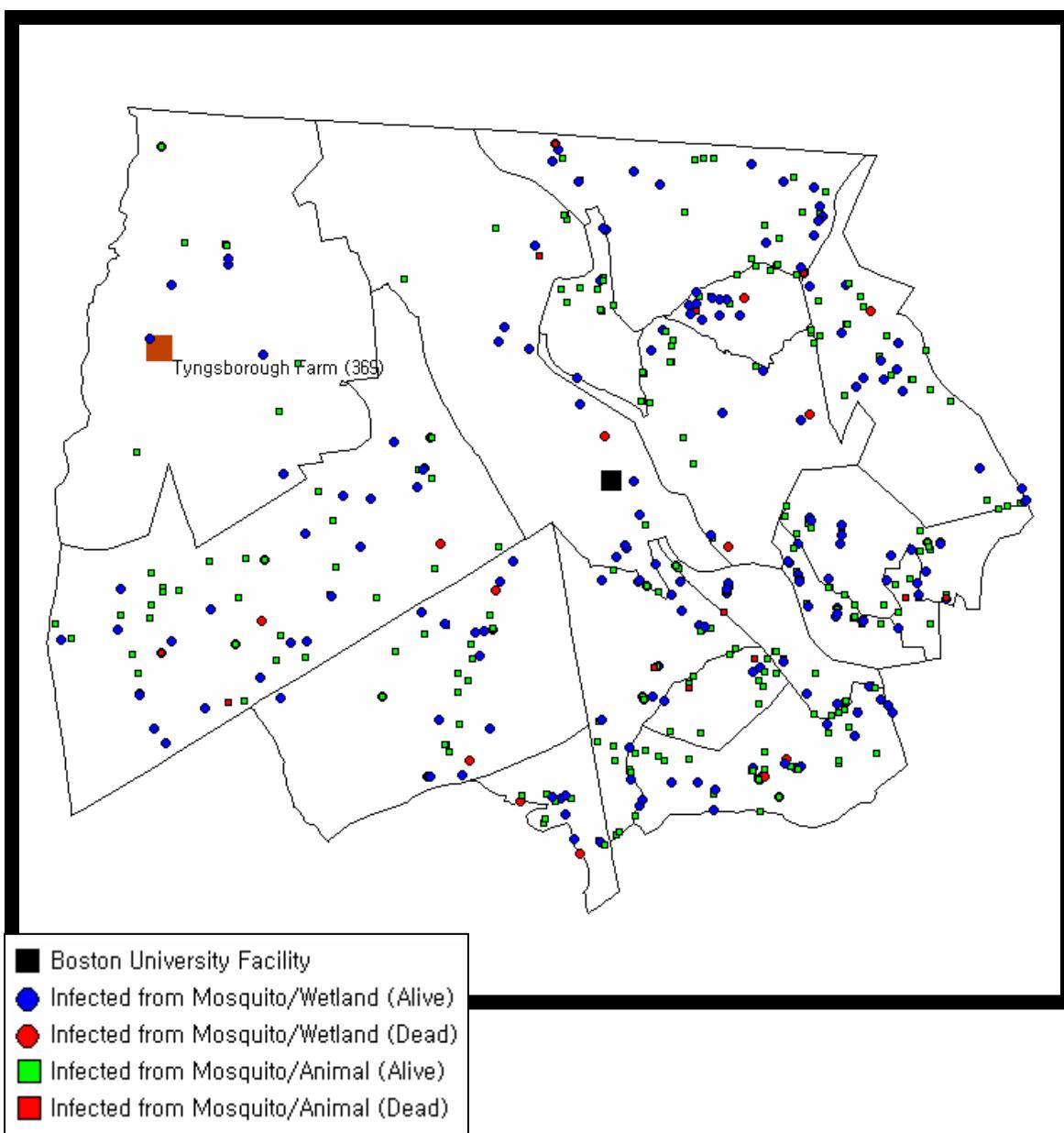
Day8[Infected(#)][Dead(#)]\_(64)(7)

## Rift Valley (Tyngsborough)



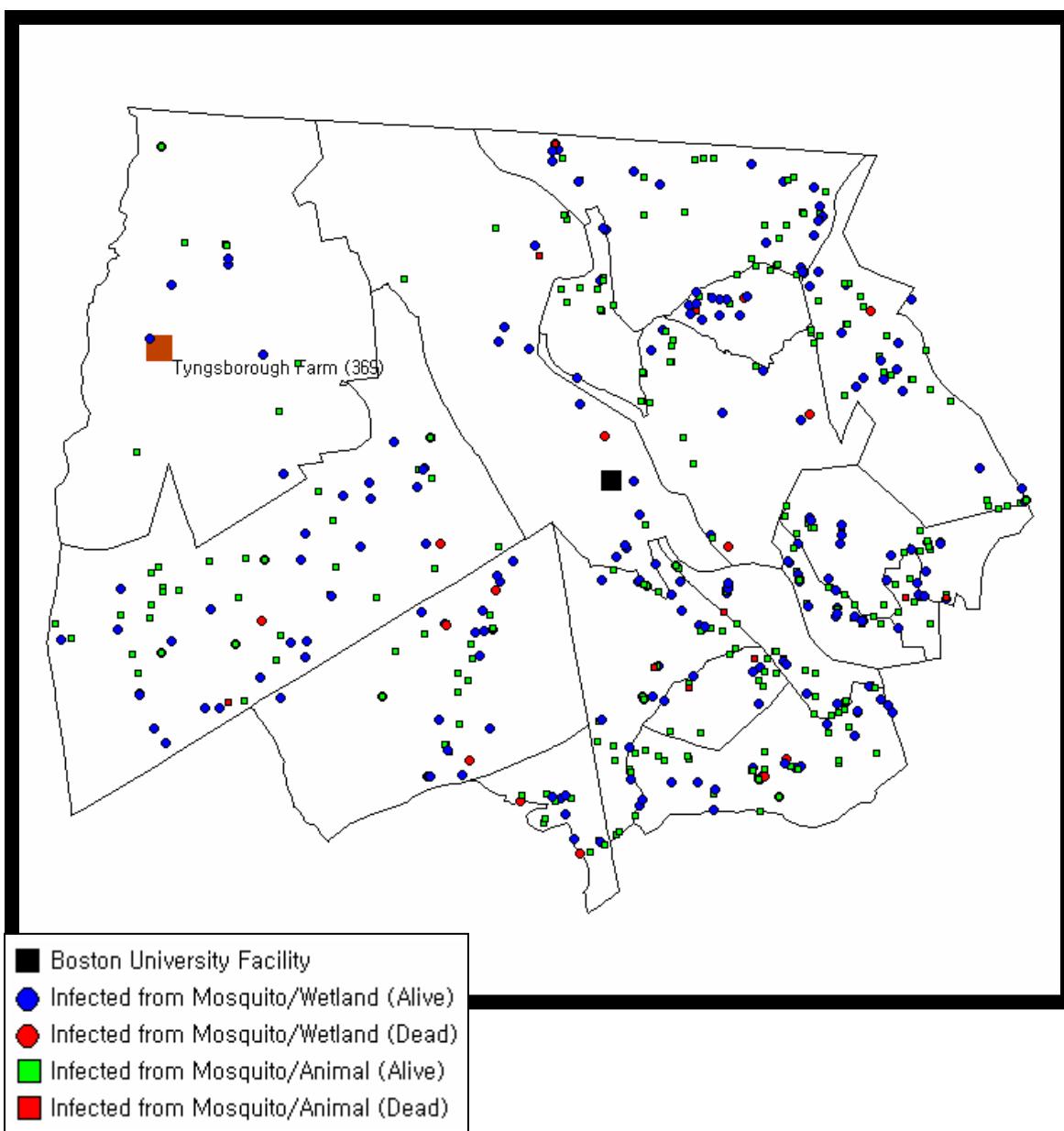
Day9[Infected(#)][Dead(#)]\_(60)(3)

## Rift Valley (Tyngsborough)



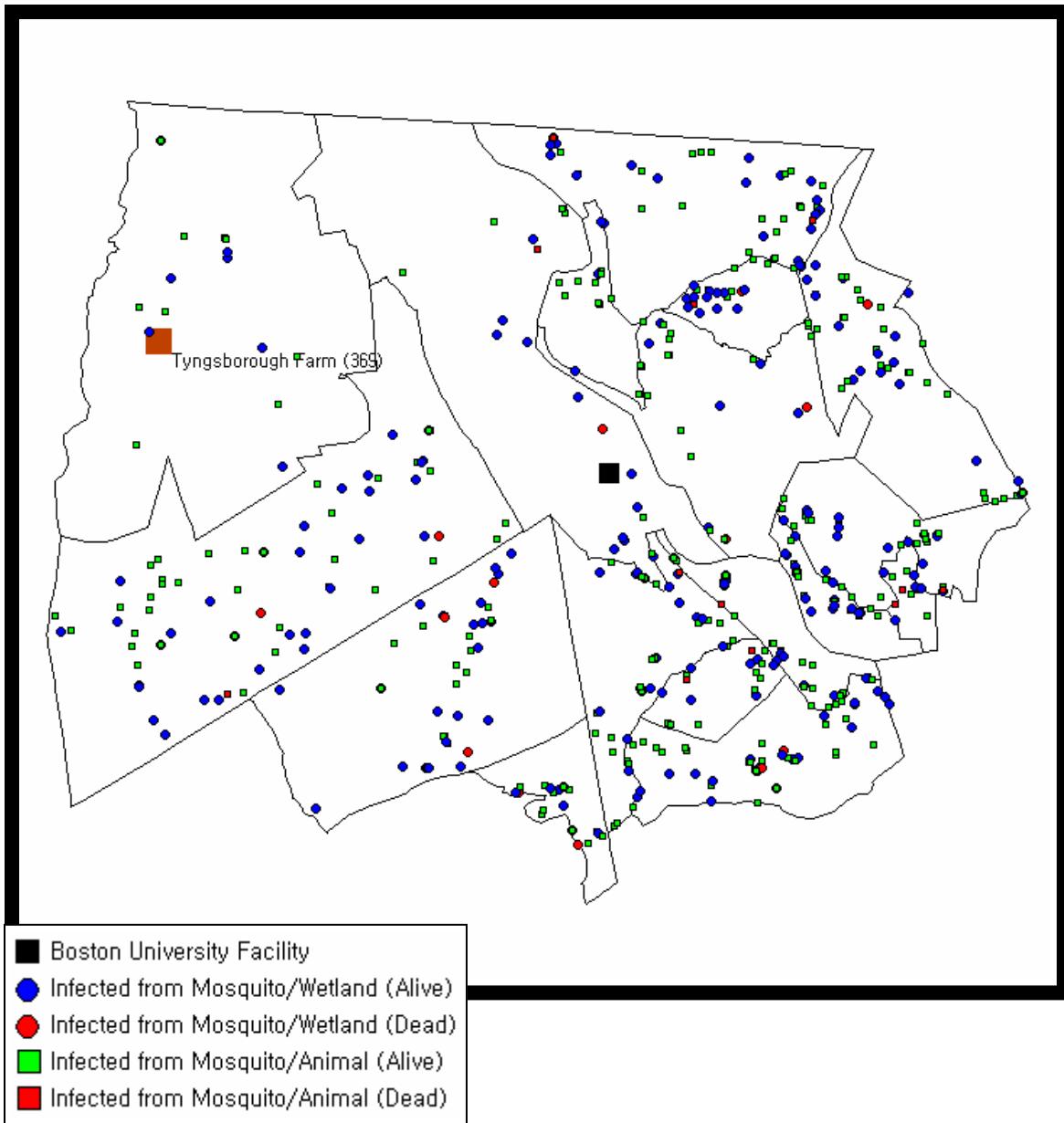
Day10[Infected(#)][Dead(#)]\_(55)(2)

## Rift Valley (Tyngsborough)



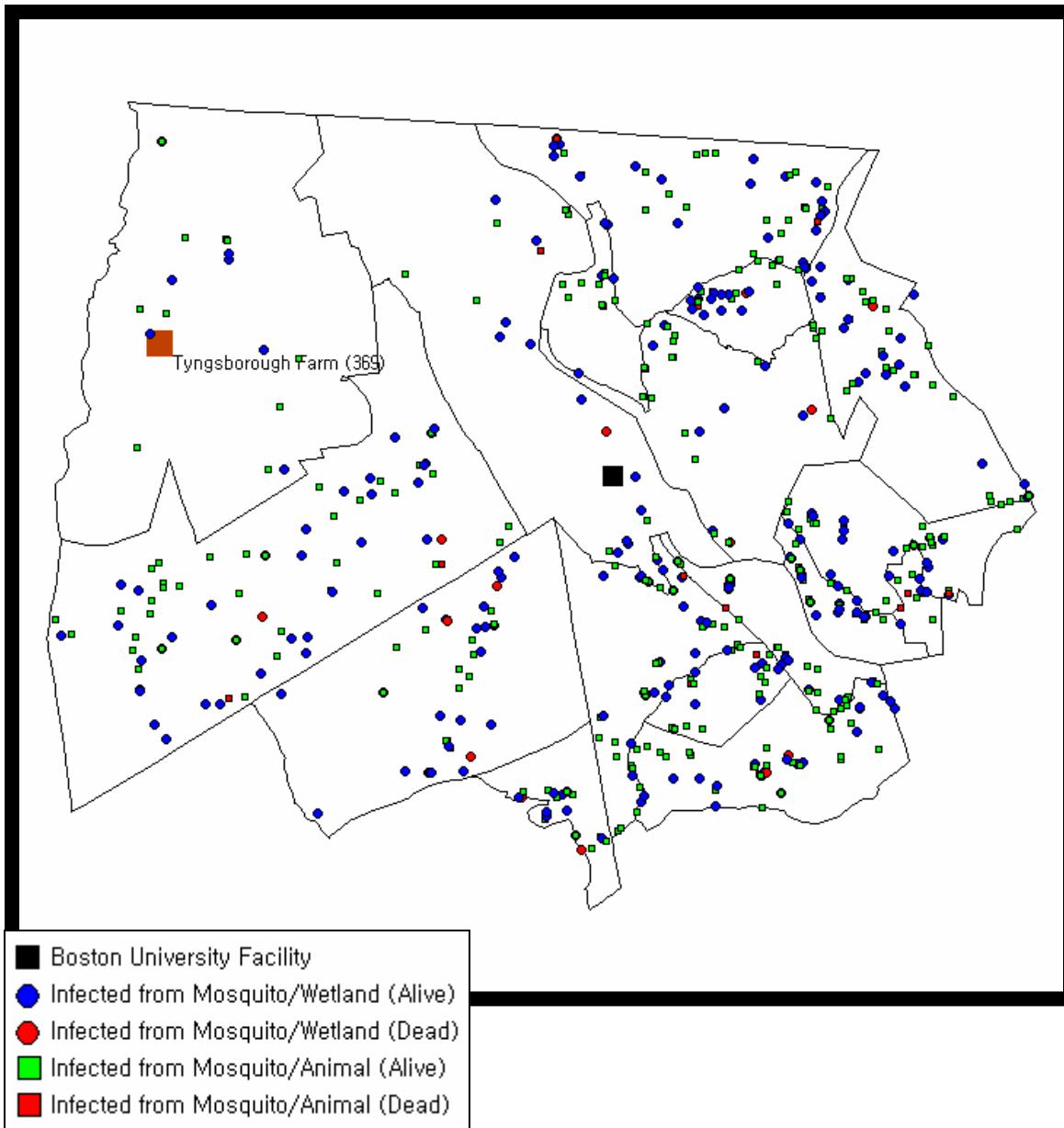
Day11[Infected(#)][Dead(#)]\_(59)(1)

## Rift Valley (Tyngsborough)



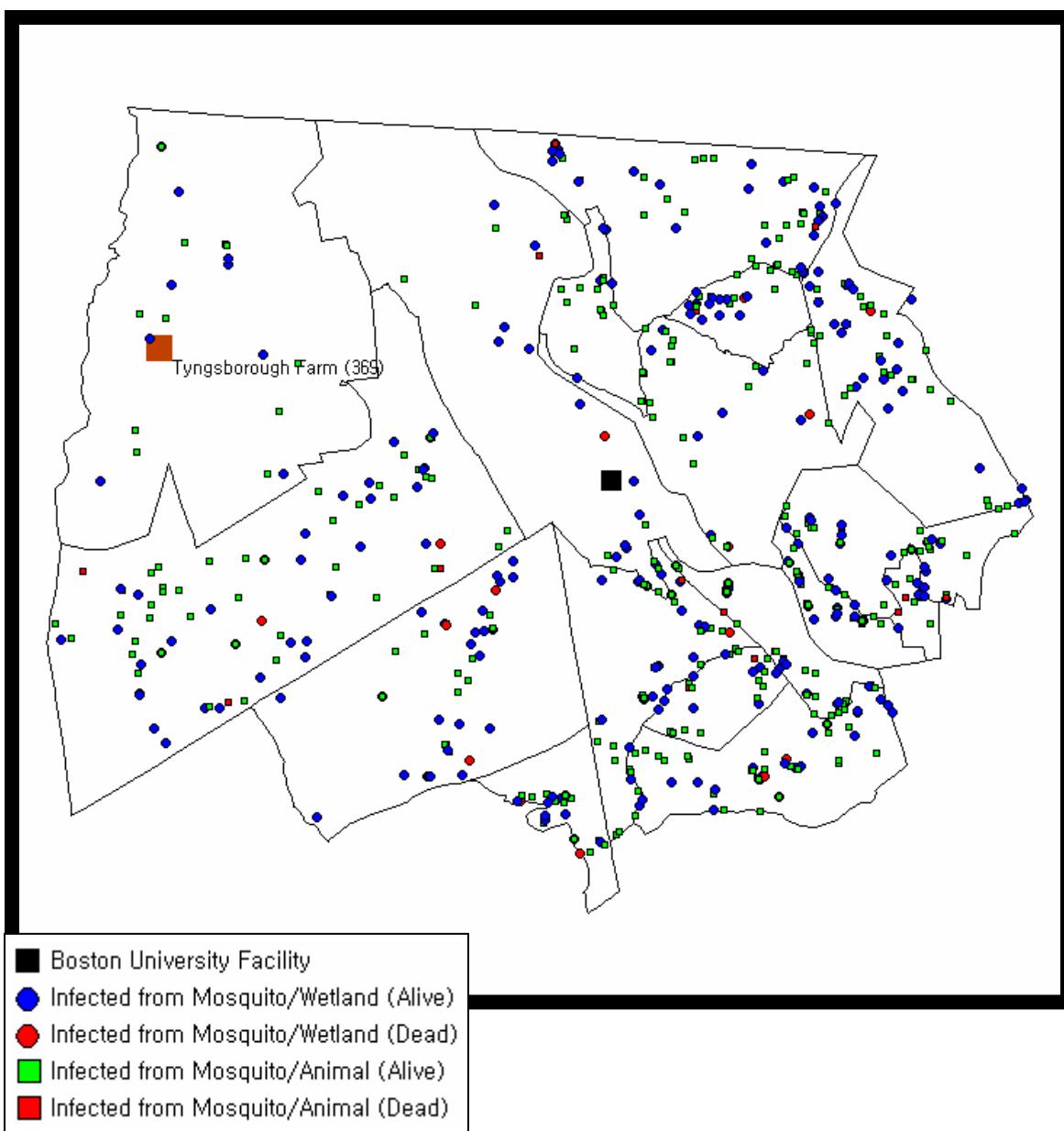
Day12[Infected(#)][Dead(#)]\_(45)(3)

## Rift Valley (Tyngsborough)



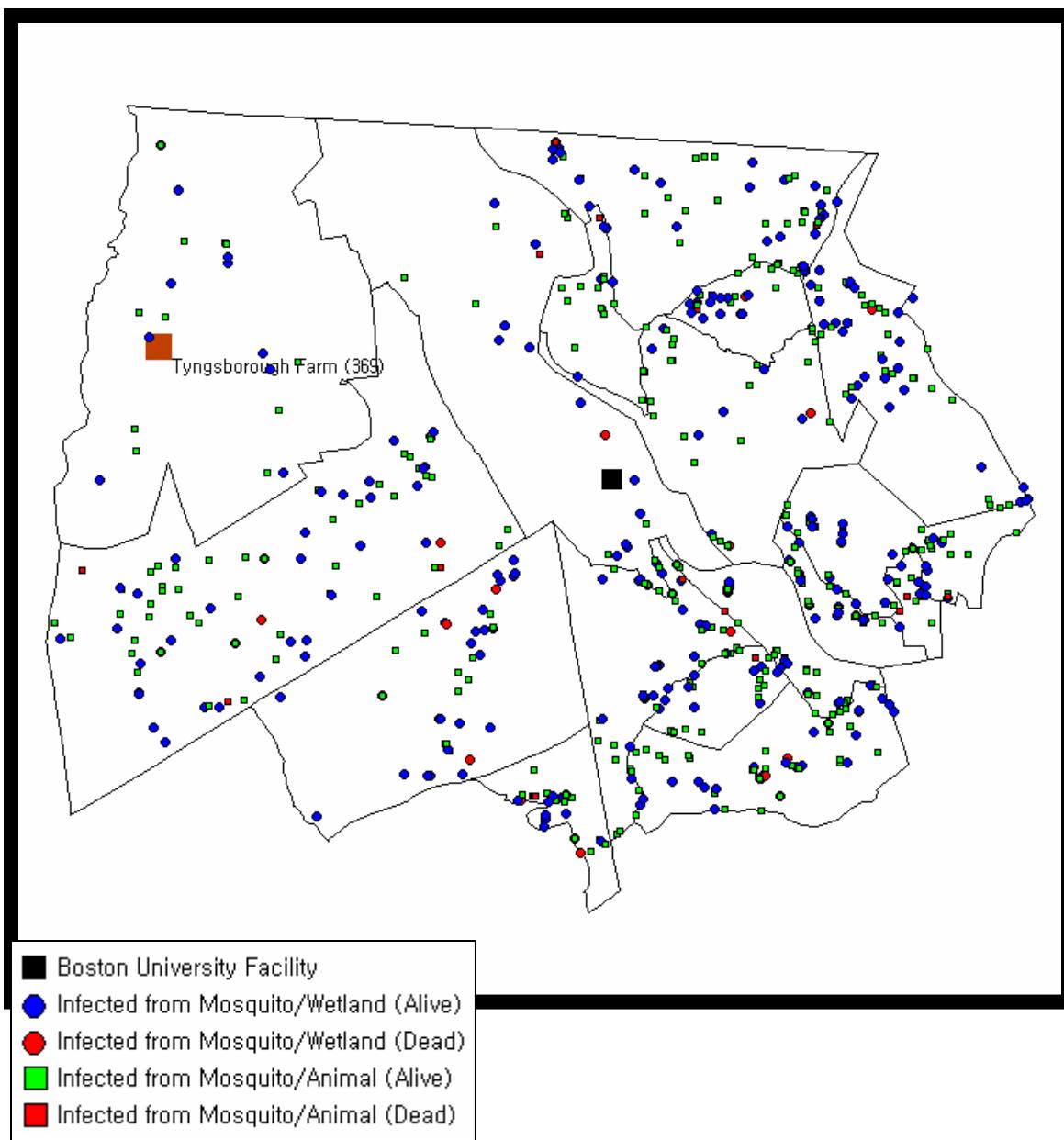
Day13[Infected(#)][Dead(#)]\_(45)(1)

## Rift Valley (Tyngsborough)



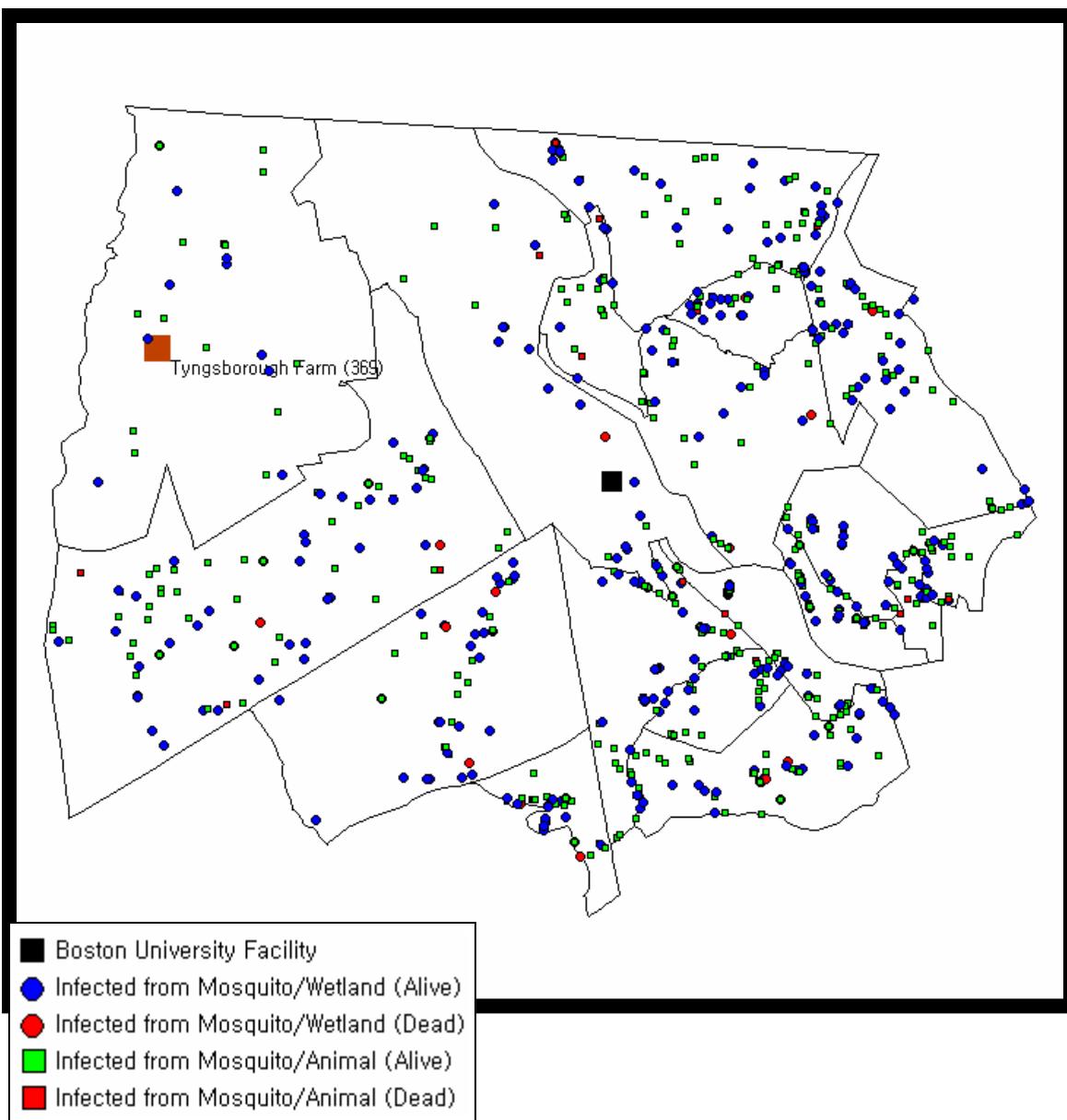
Day14[Infected(#)][Dead(#)]\_(60)(3)

## Rift Valley (Tyngsborough)



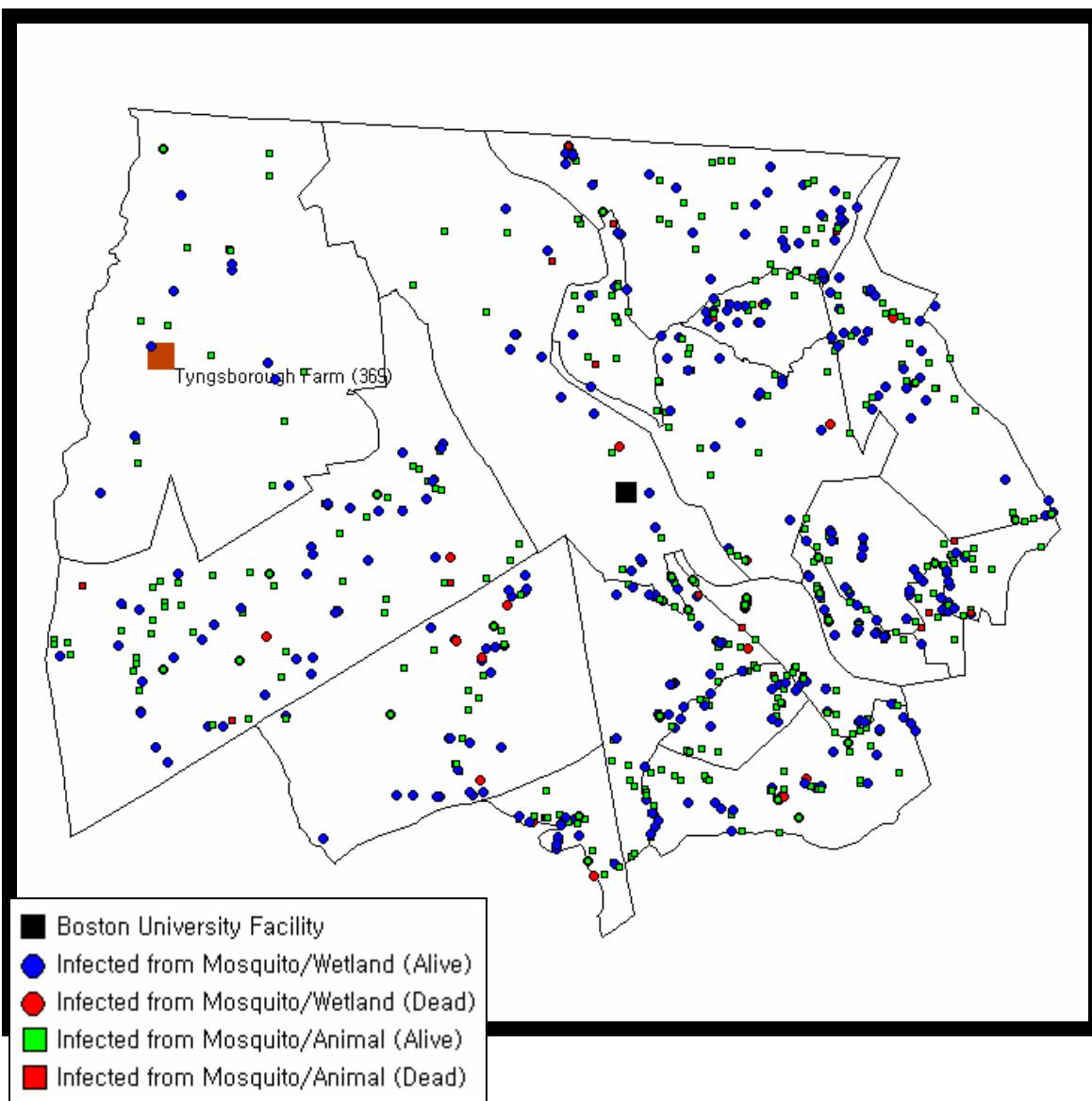
Day15[Infected(#)][Dead(#)]\_(58)(2)

## Rift Valley (Tyngsborough)



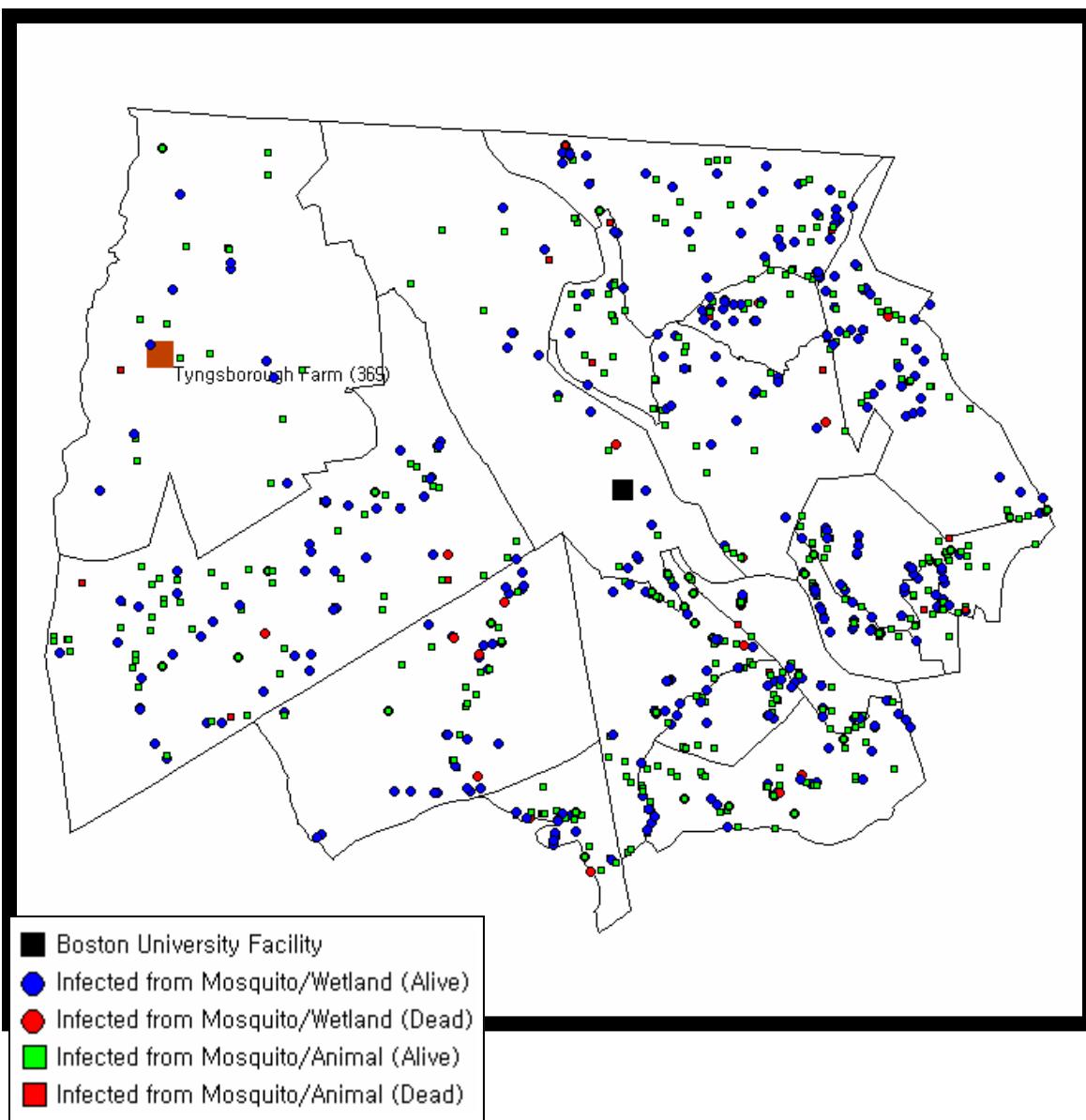
Day16[Infected(#)][Dead(#)]\_(74)(1)

## Rift Valley (Tyngsborough)



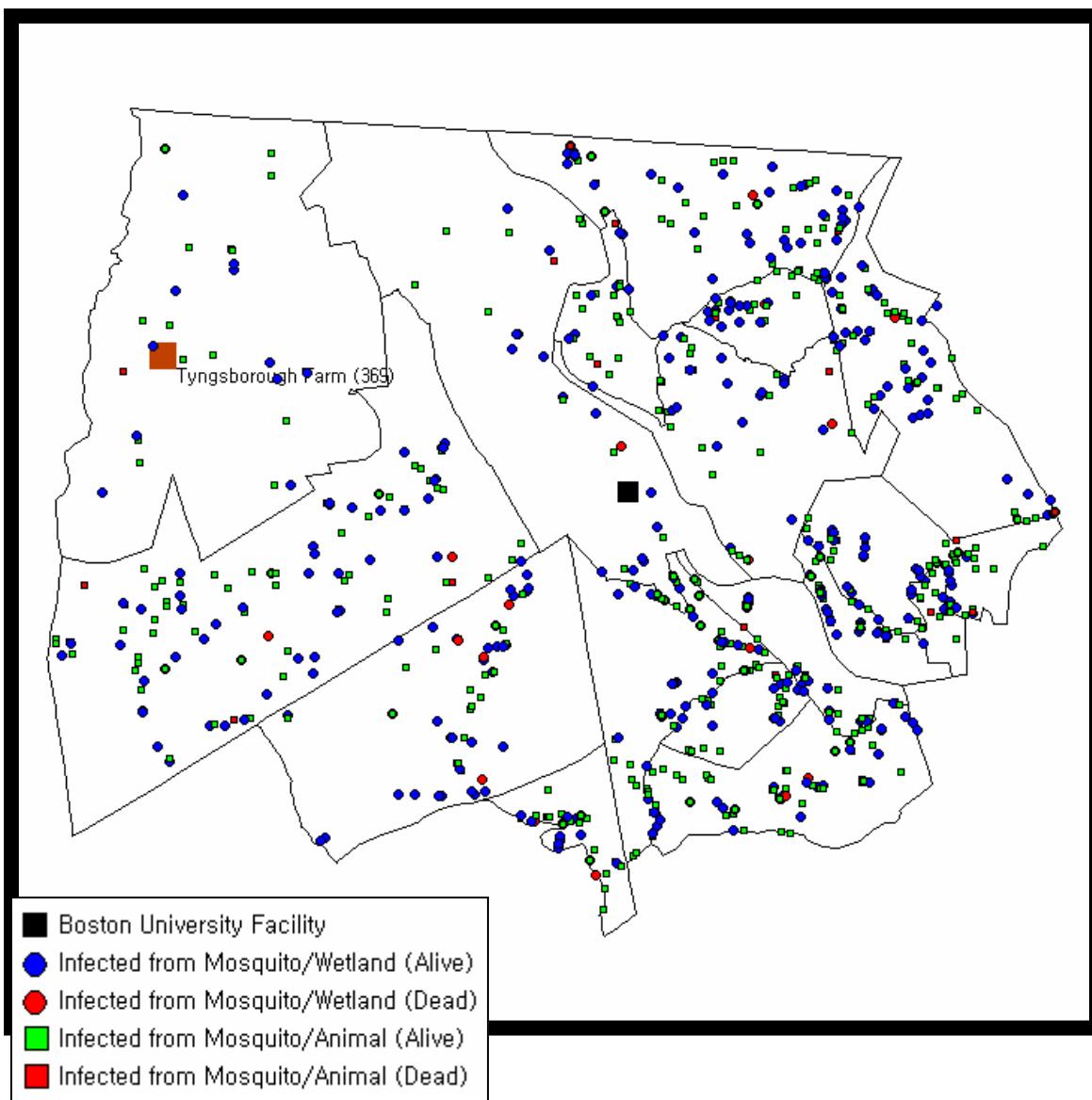
Day17[Infected(#)][Dead(#)]\_(64)(4)

## Rift Valley (Tyngsborough)



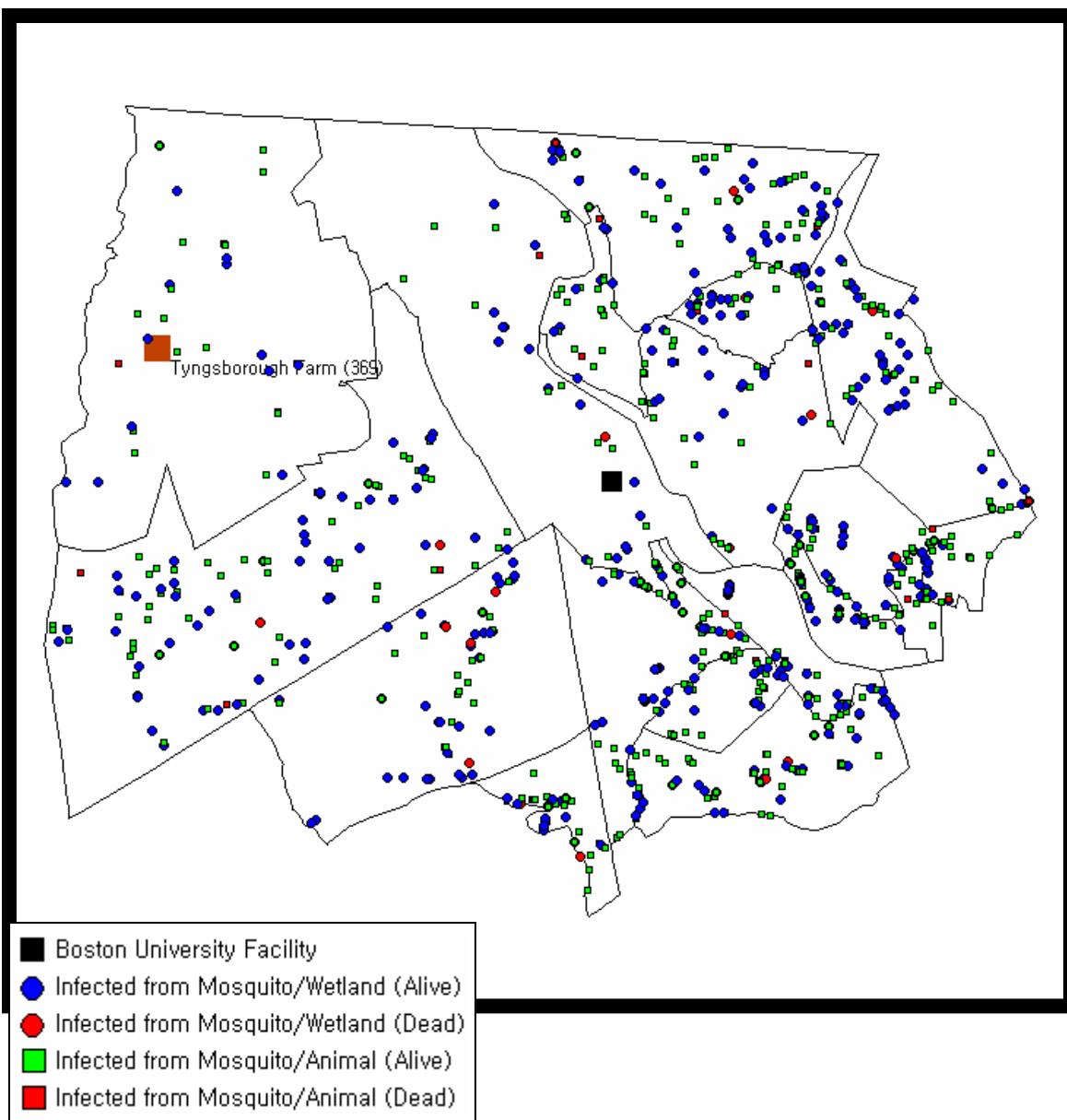
Day18[Infected(#)][Dead(#)]\_(66)(3)

## Rift Valley (Tyngsborough)



Day19[Infected(#)][Dead(#)]\_(55)(2)

## Rift Valley (Tyngsborough)

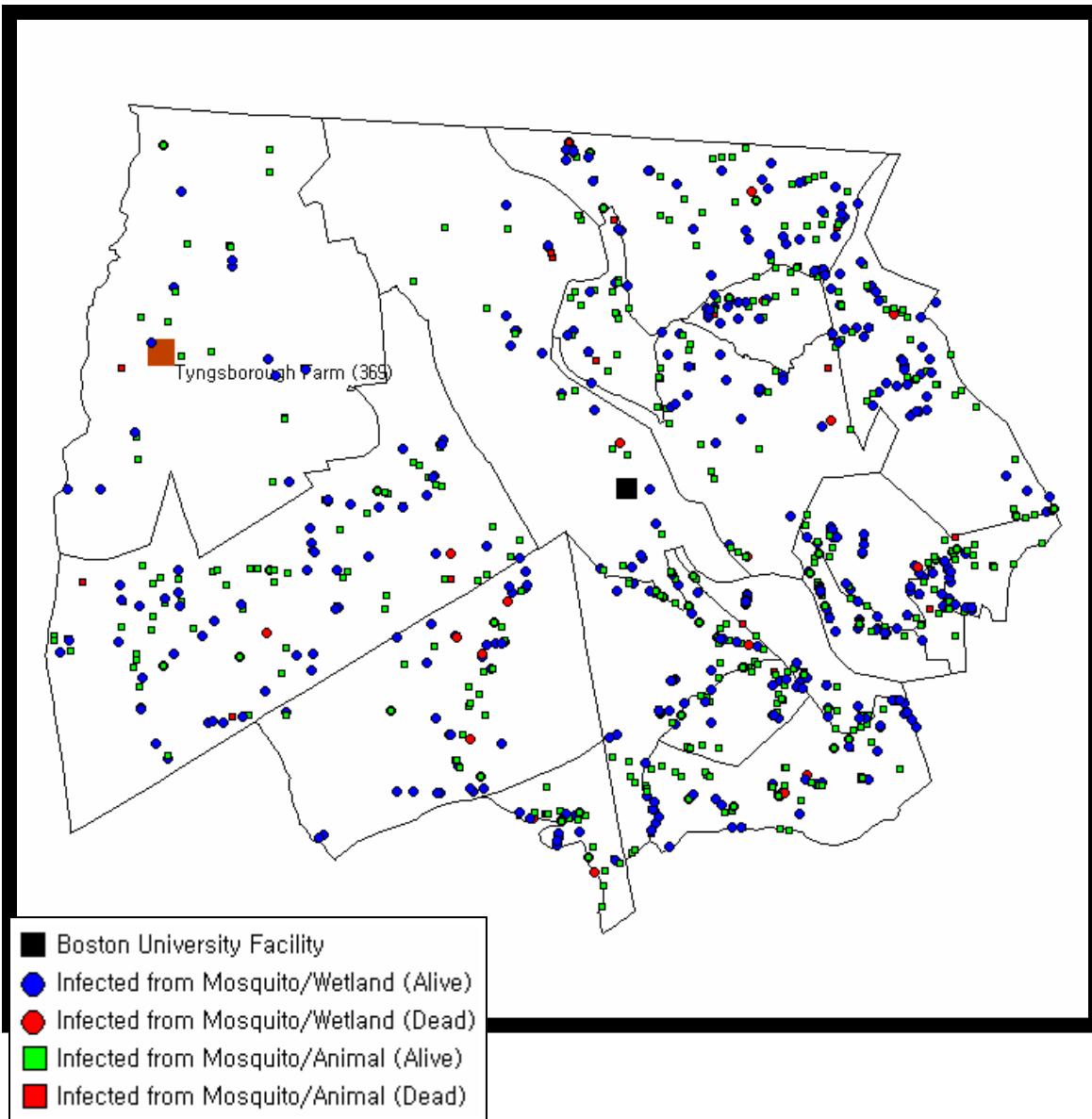


Day20[Infected(#)][Dead(#)]\_(56)(1)

## Rift Valley (Tyngsborough)

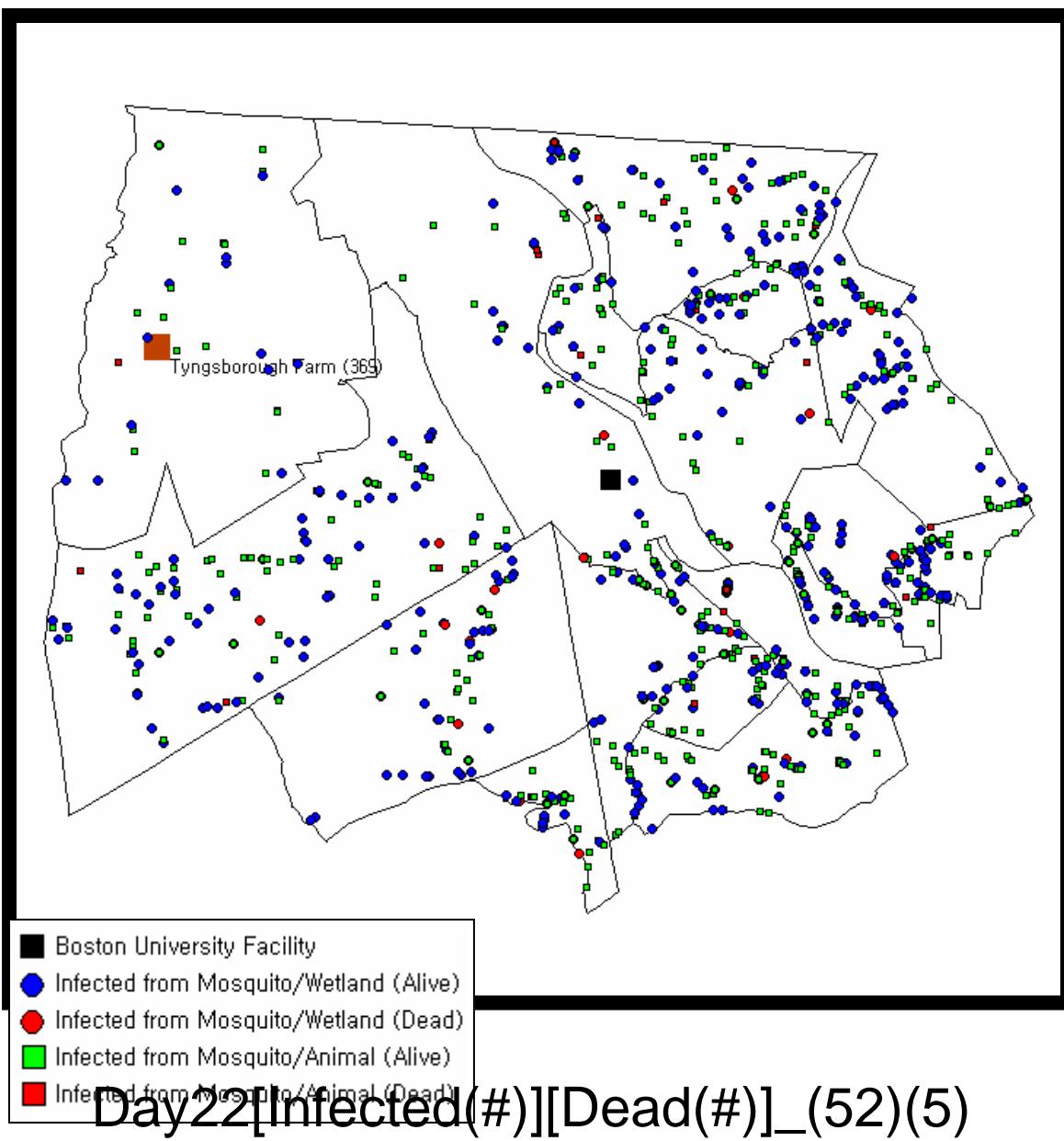
Appendix 1  
Example of A-BEST Simulation Output

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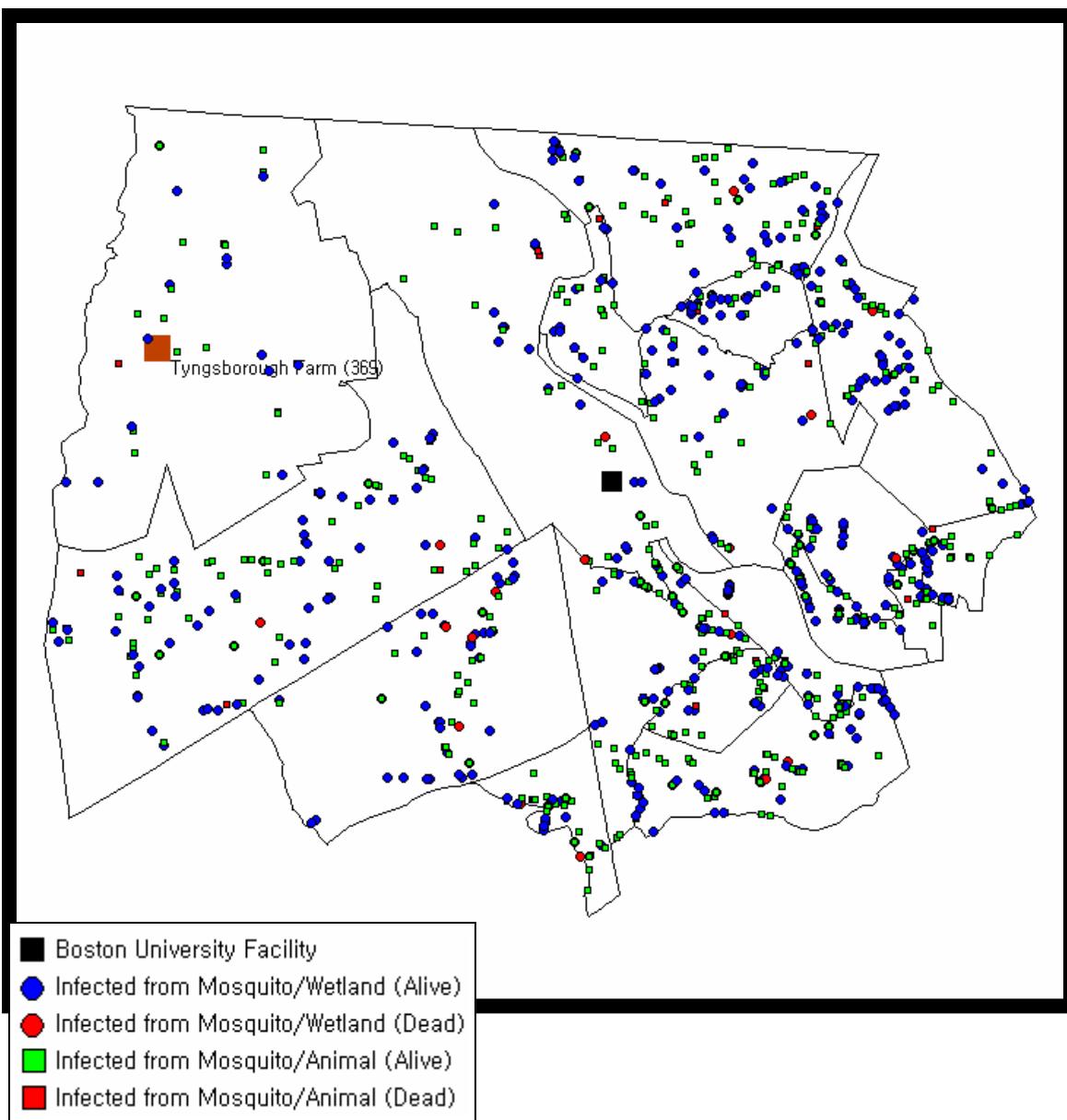


Day21[Infected(#)][Dead(#)]\_(62)(4)

## Rift Valley (Tyngsborough)

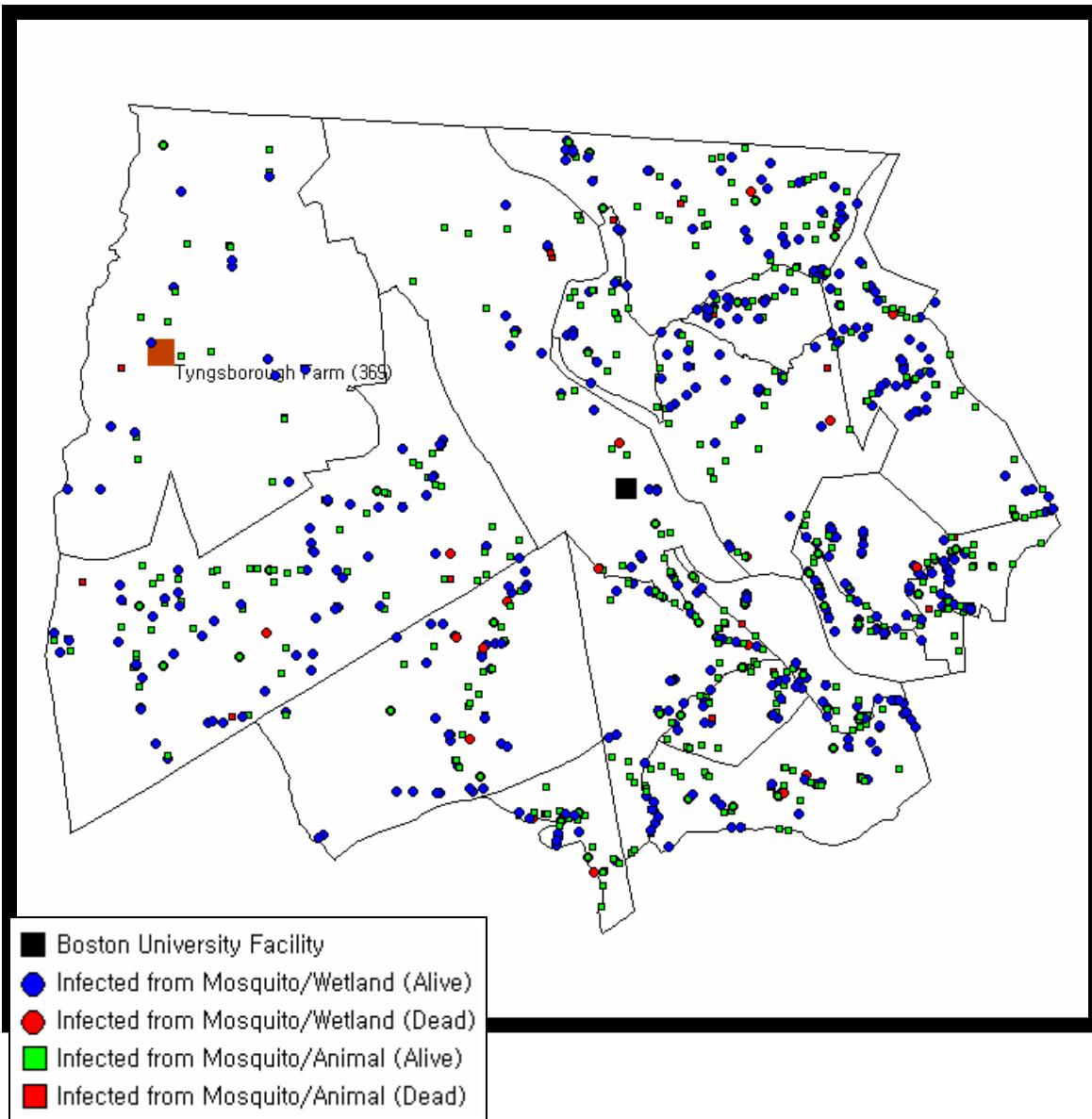


## Rift Valley (Tyngsborough)



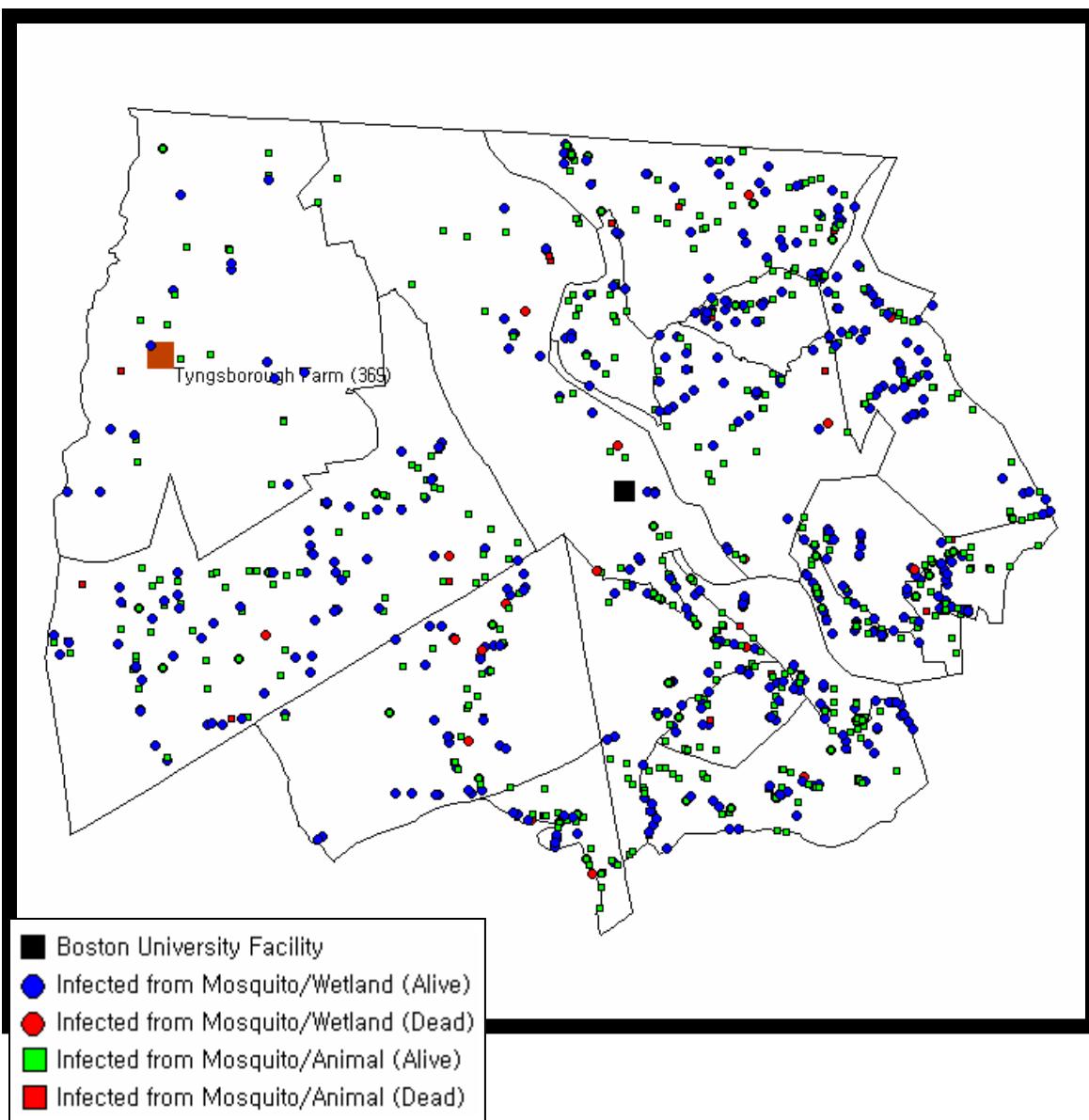
Day23[Infected(#)][Dead(#)]\_(56)(2)

## Rift Valley (Tyngsborough)



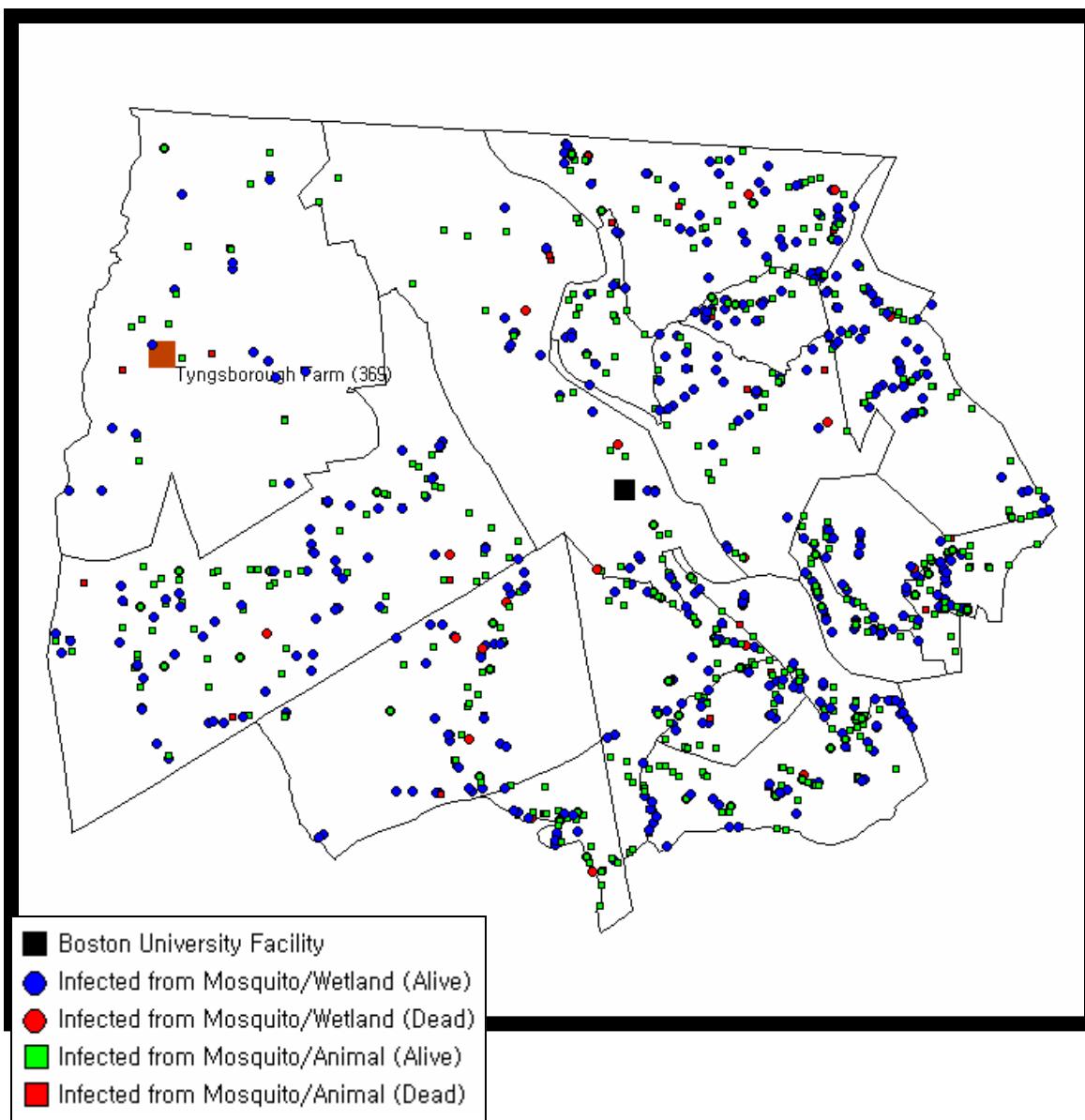
Day24[Infected(#)][Dead(#)]\_(43)(0)

## Rift Valley (Tyngsborough)



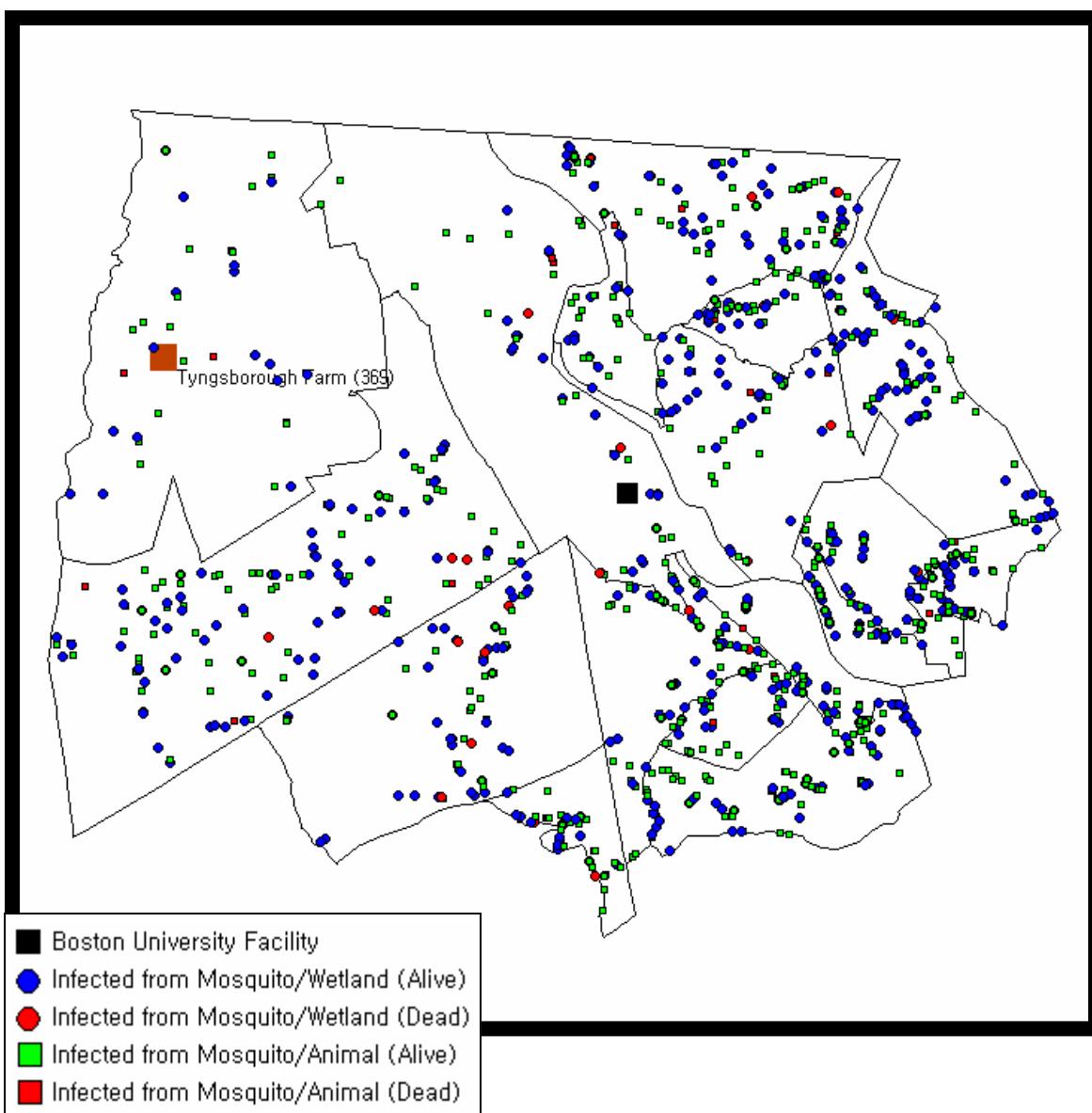
Day25[Infected(#)][Dead(#)]\_(63)(1)

## Rift Valley (Tyngsborough)



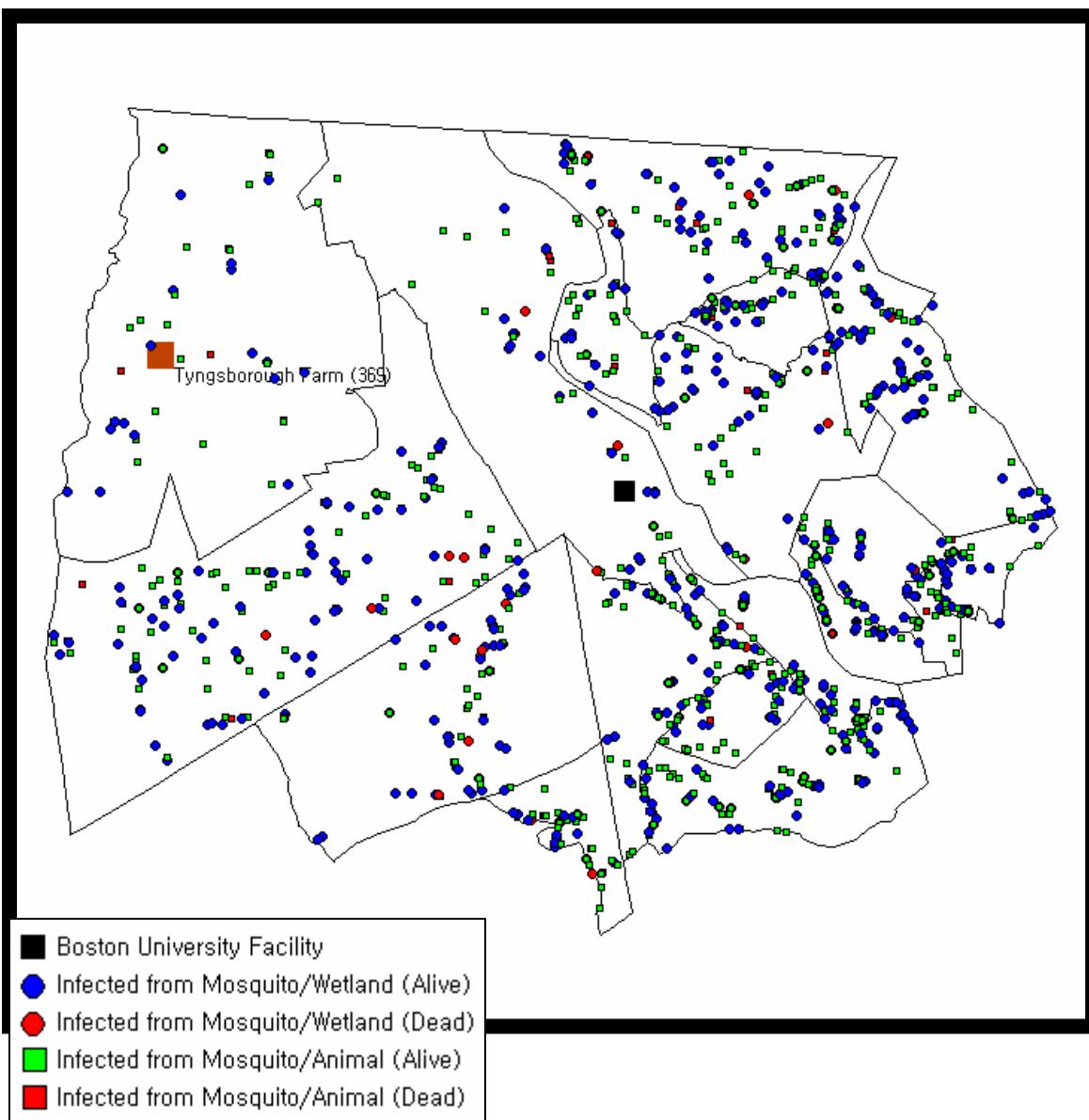
Day26[Infected(#)][Dead(#)]\_(59)(5)

## Rift Valley (Tyngsborough)



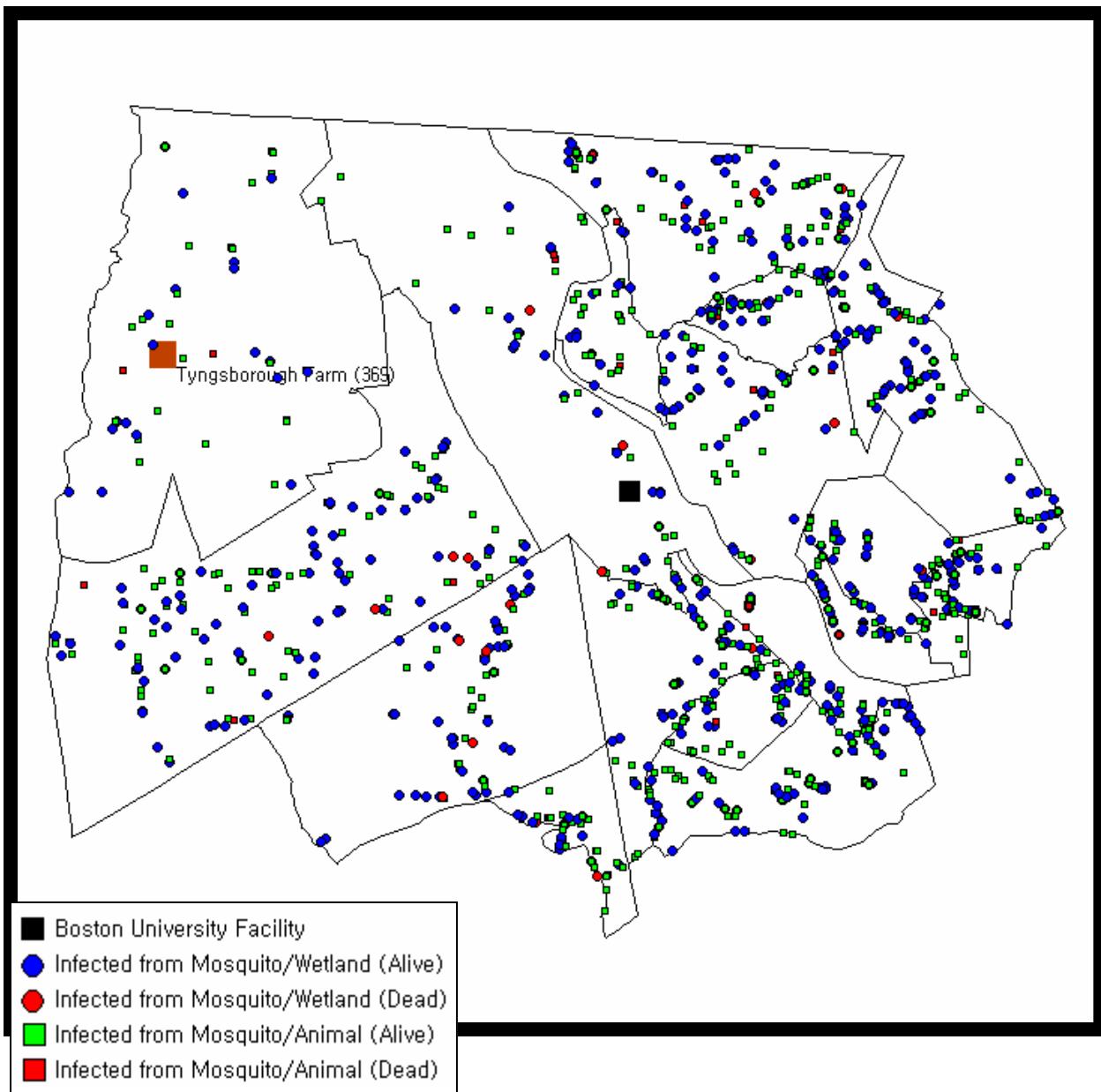
Day27[Infected(#)][Dead(#)]\_(59)(4)

## Rift Valley (Tyngsborough)



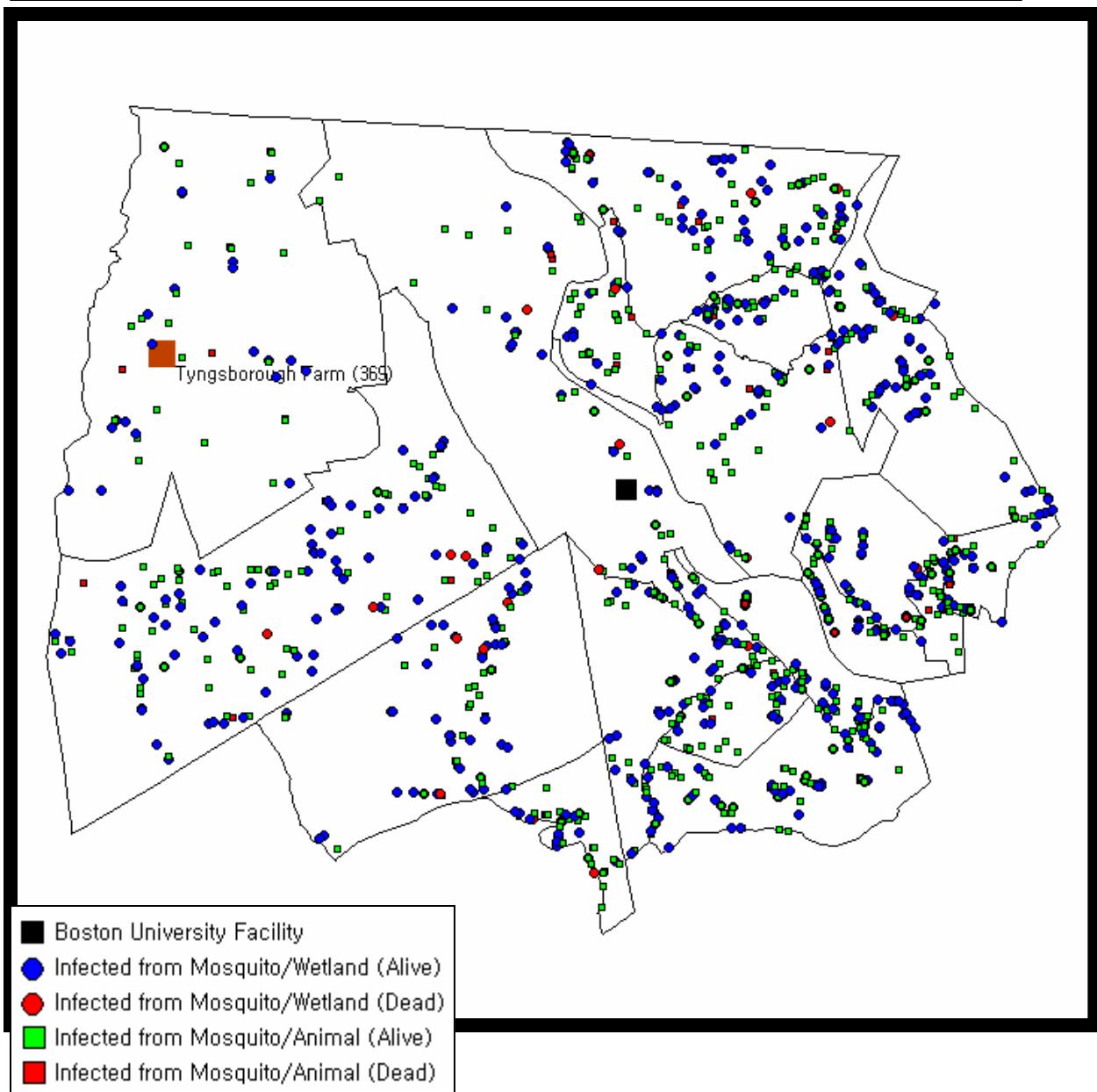
Day28[Infected(#)][Dead(#)]\_(63)(4)

## Rift Valley (Tyngsborough)



Day29[Infected(#)][Dead(#)]\_(43)(2)

## Rift Valley (Tyngsborough)

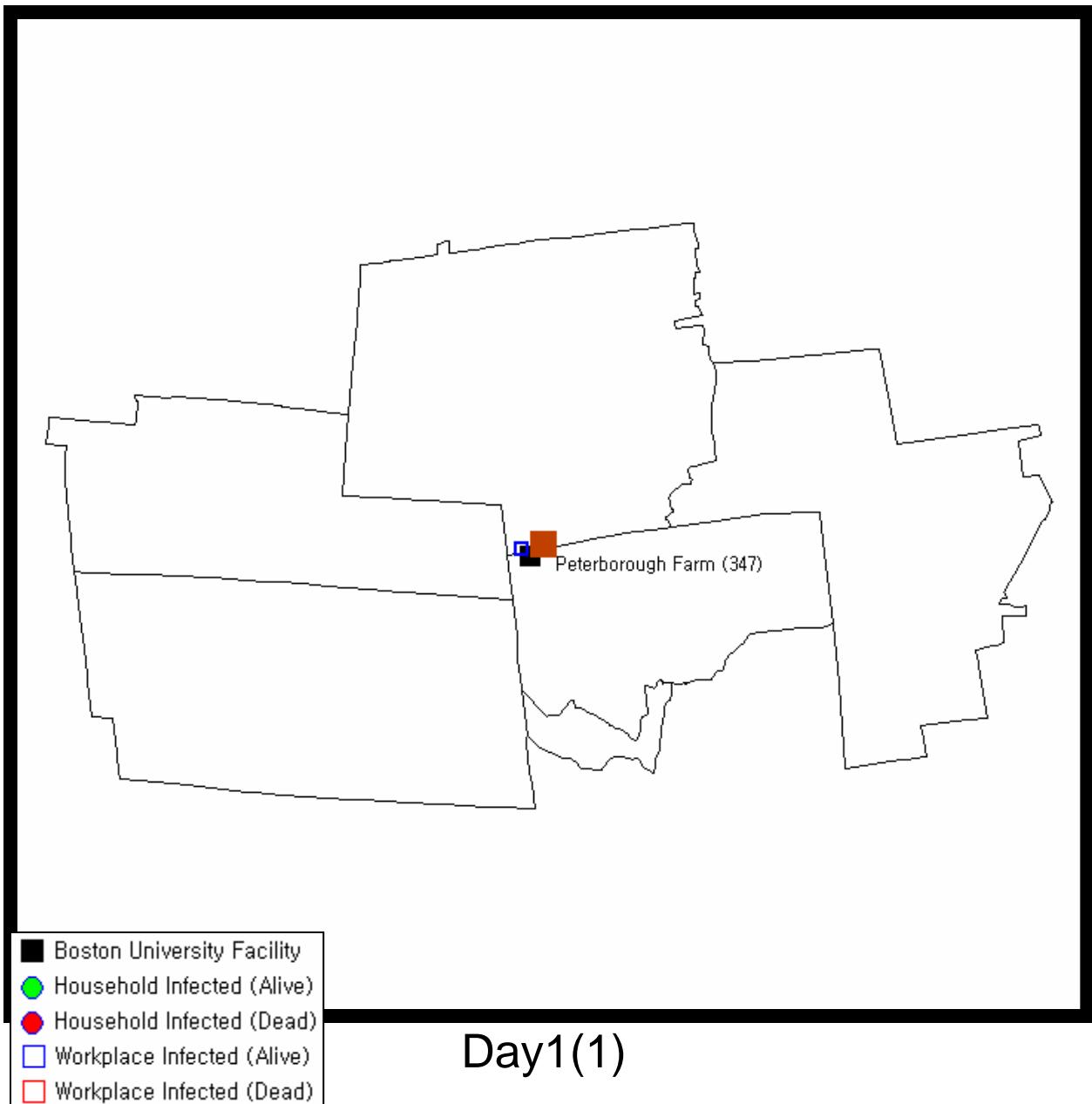


Day30[Infected(#)][Dead(#)]\_(55)(5)

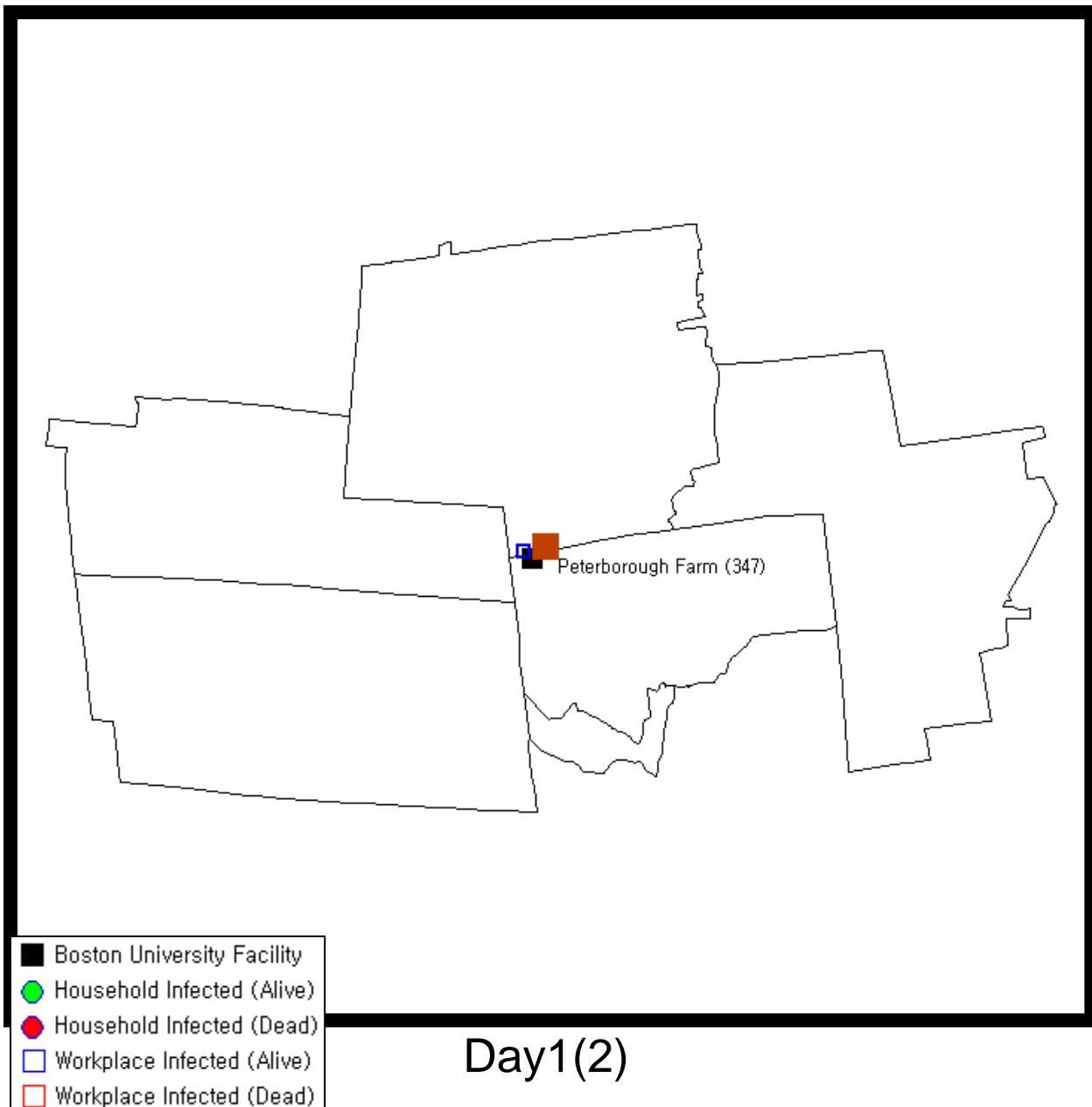
## Rift Valley (Tyngsborough)

## **Sabia (Peterborough)**

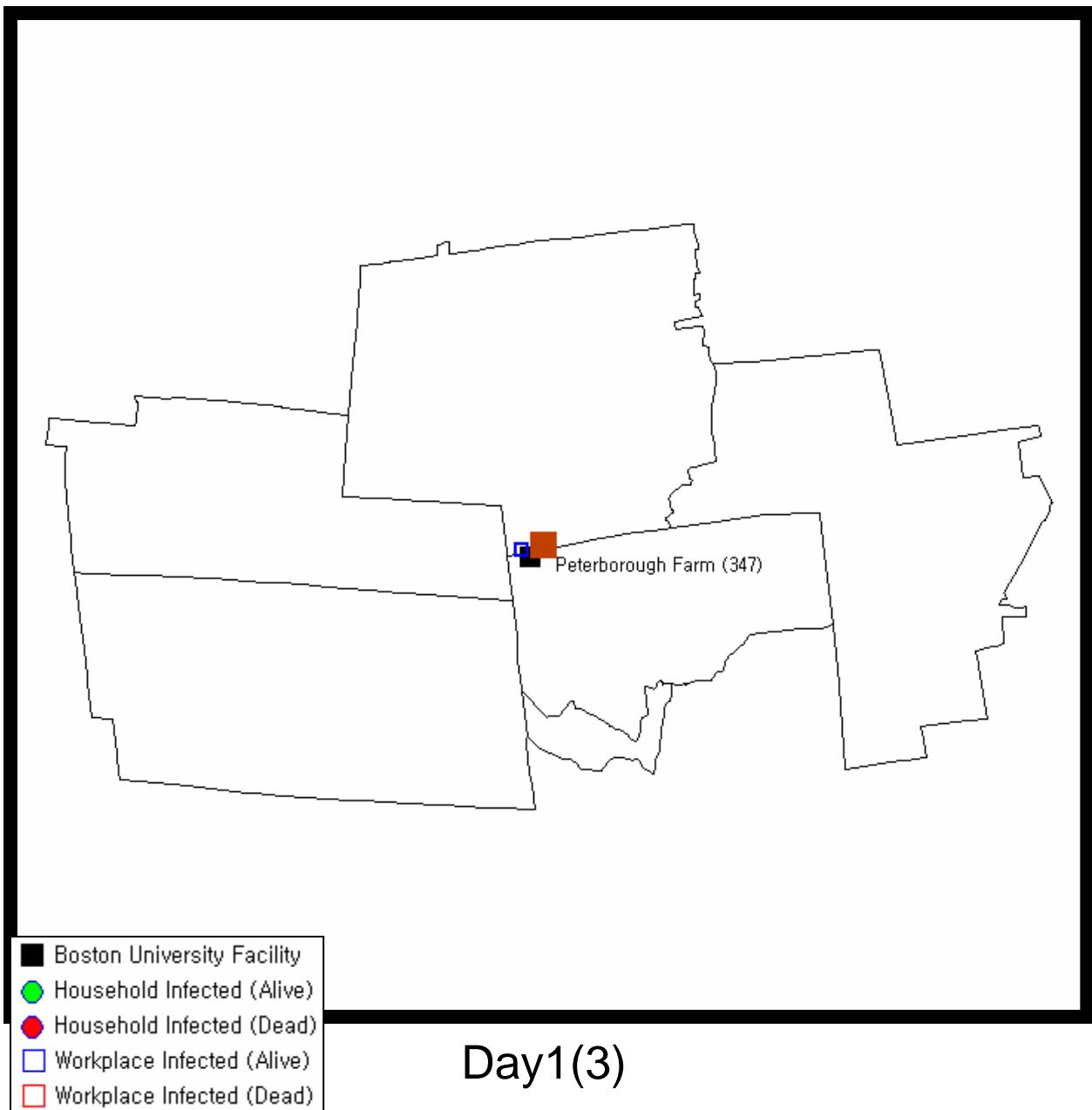
## Scientist



## Co-Worker 1

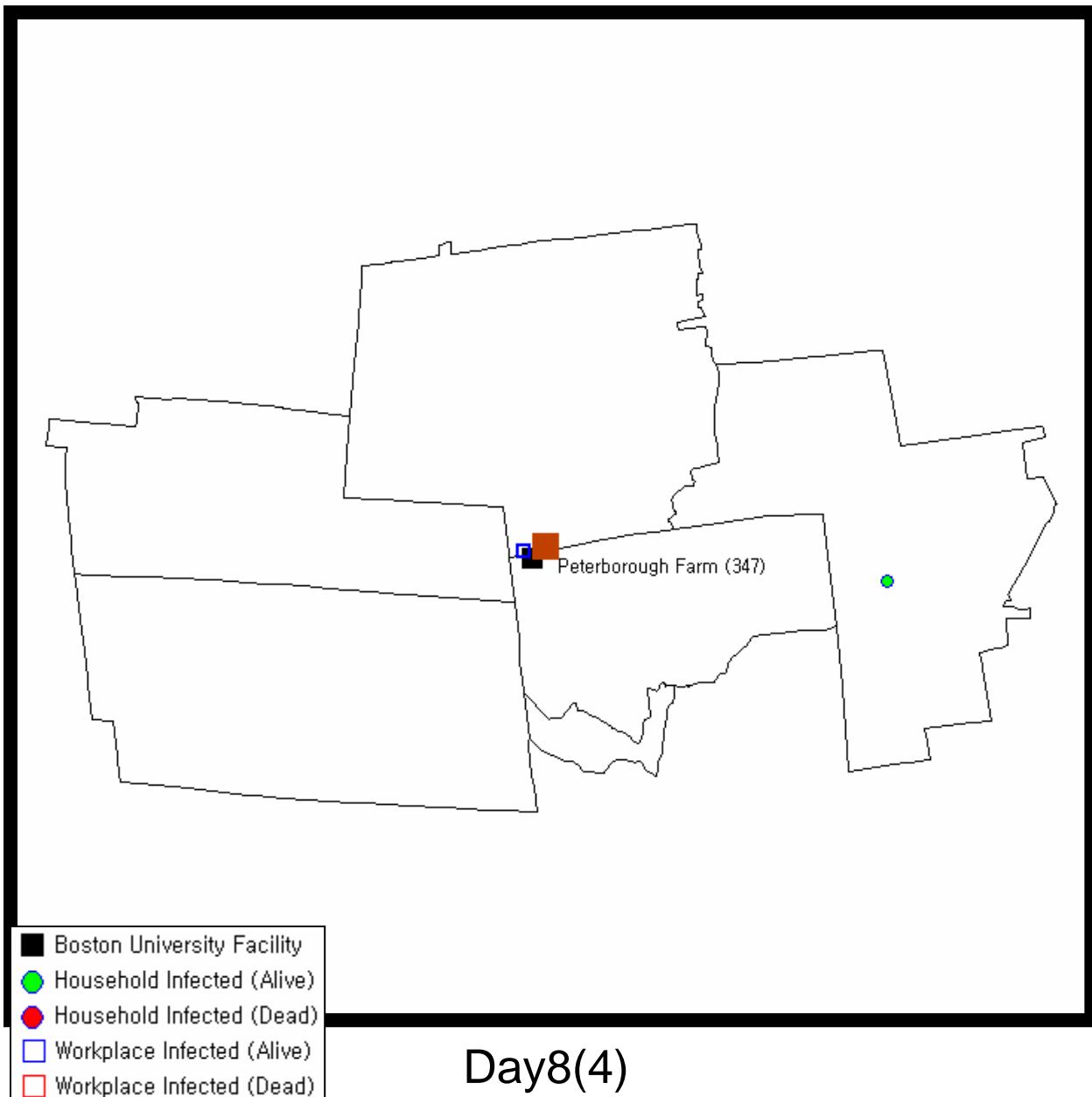


## Co-Worker 2



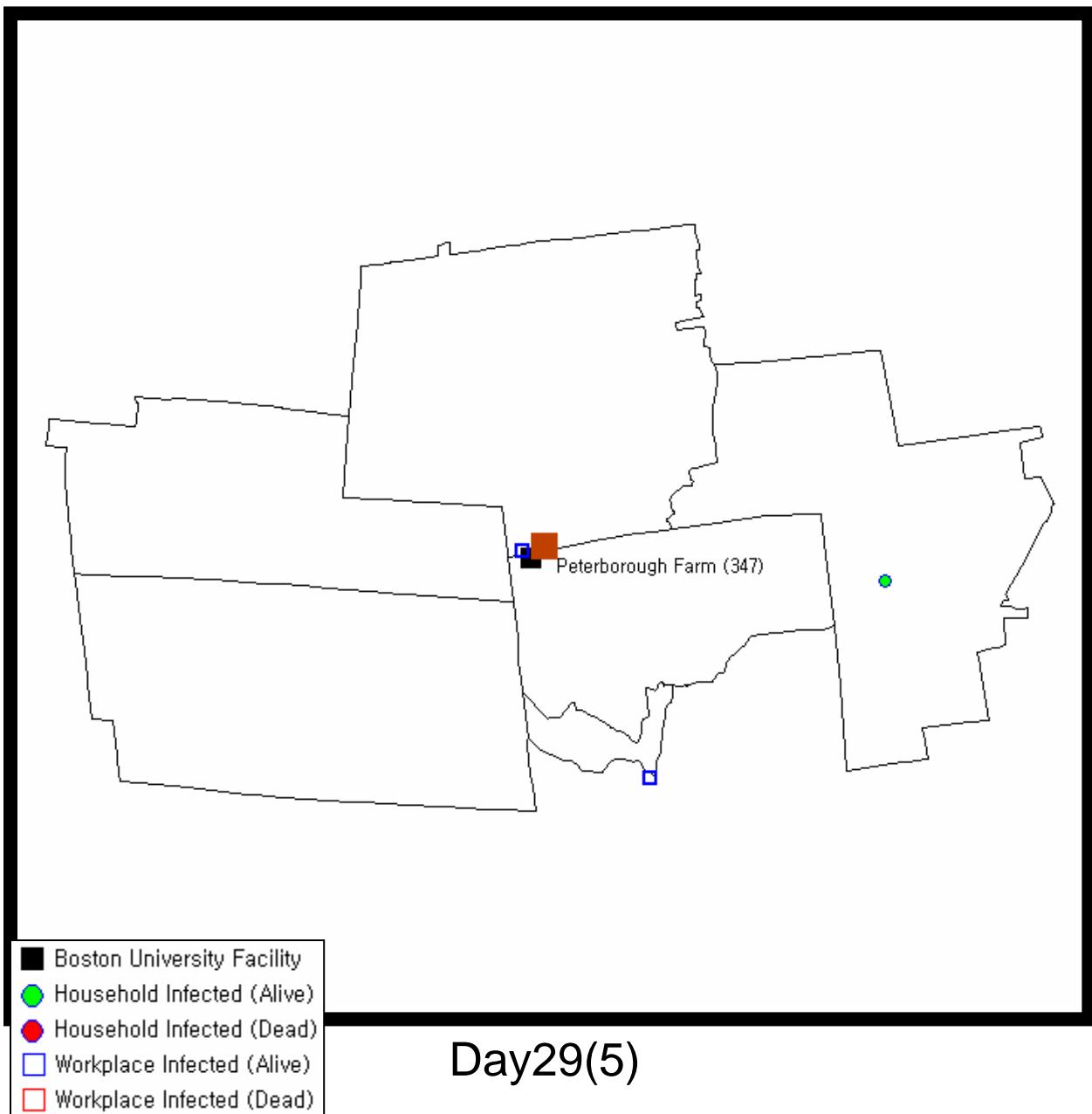
**Sabia (Peterborough)**

## Child of Co-Worker 1



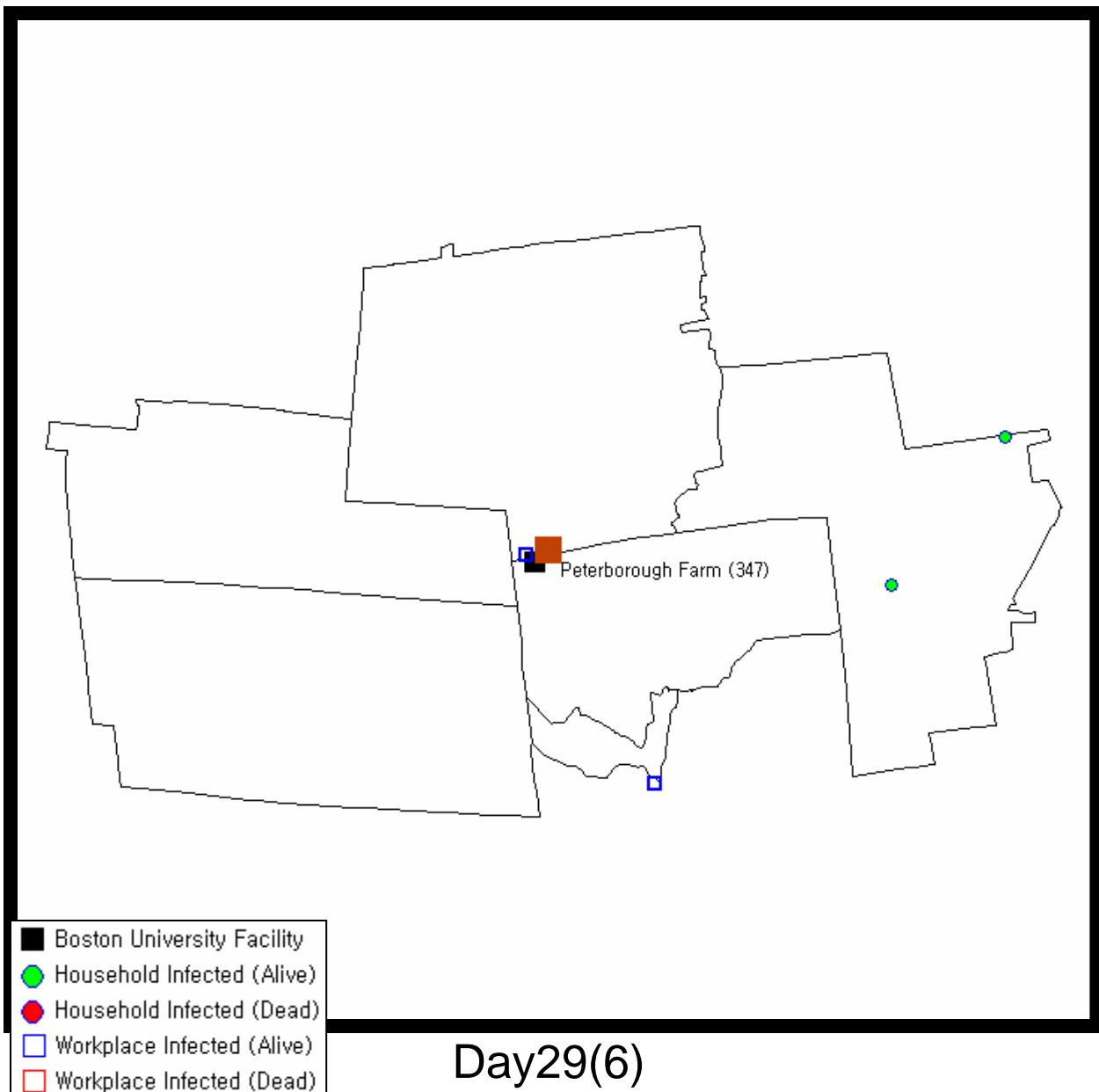
**Sabia (Peterborough)**

## Nurse



**Sabia (Peterborough)**

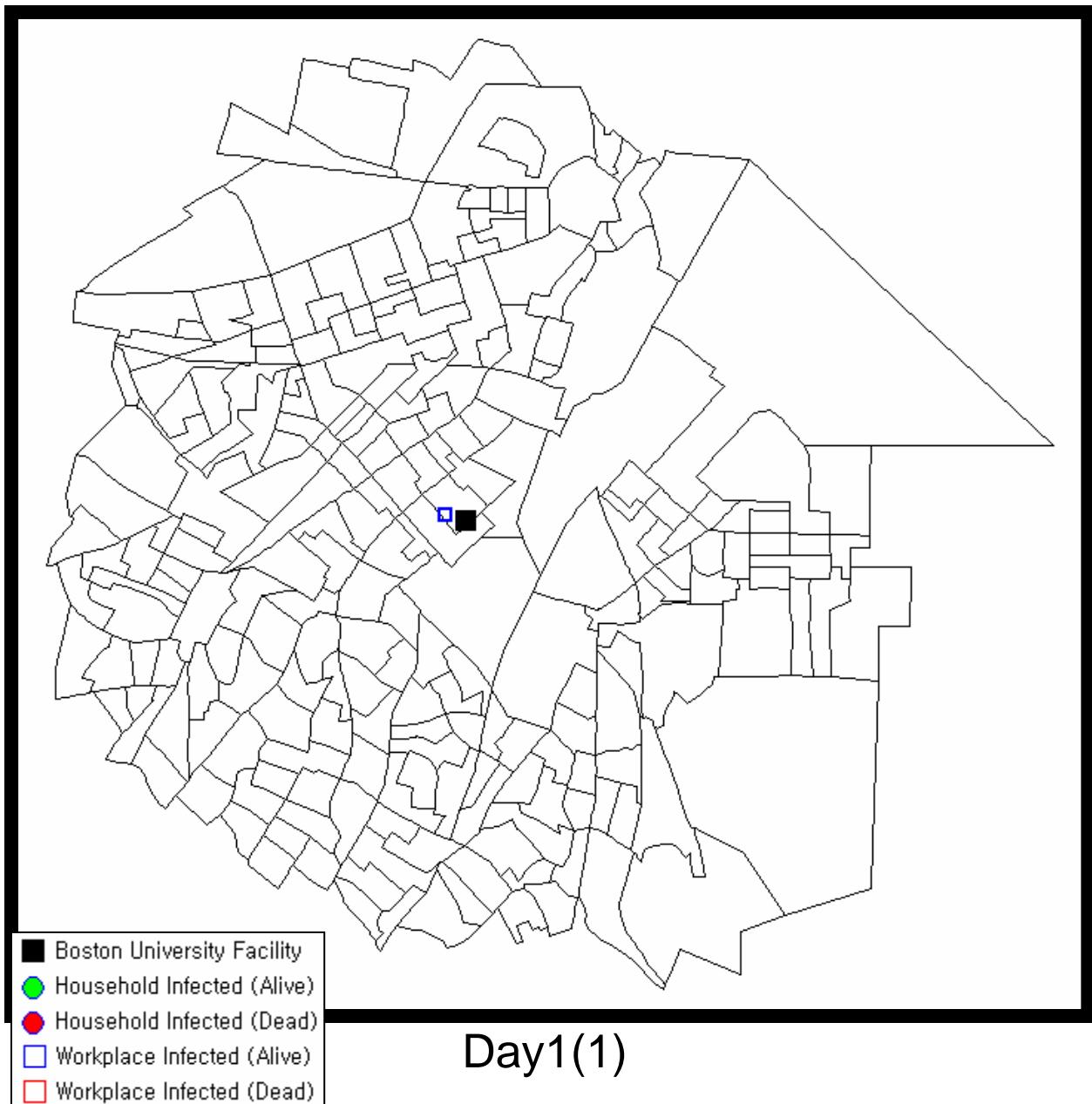
## Child of Co-Worker 2



**Sabia (Peterborough)**

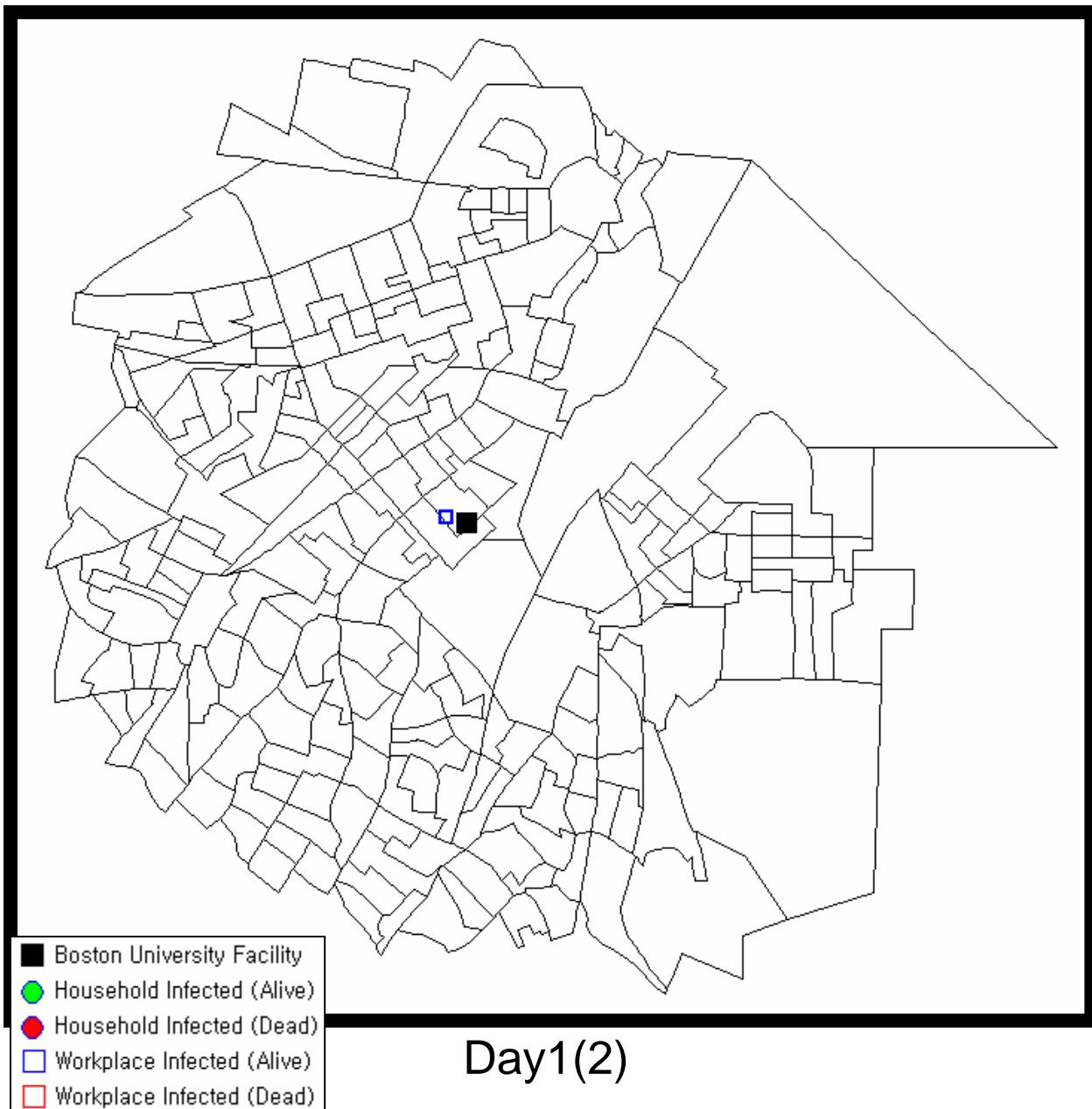
## **Sabia (BUMC)**

## Scientist



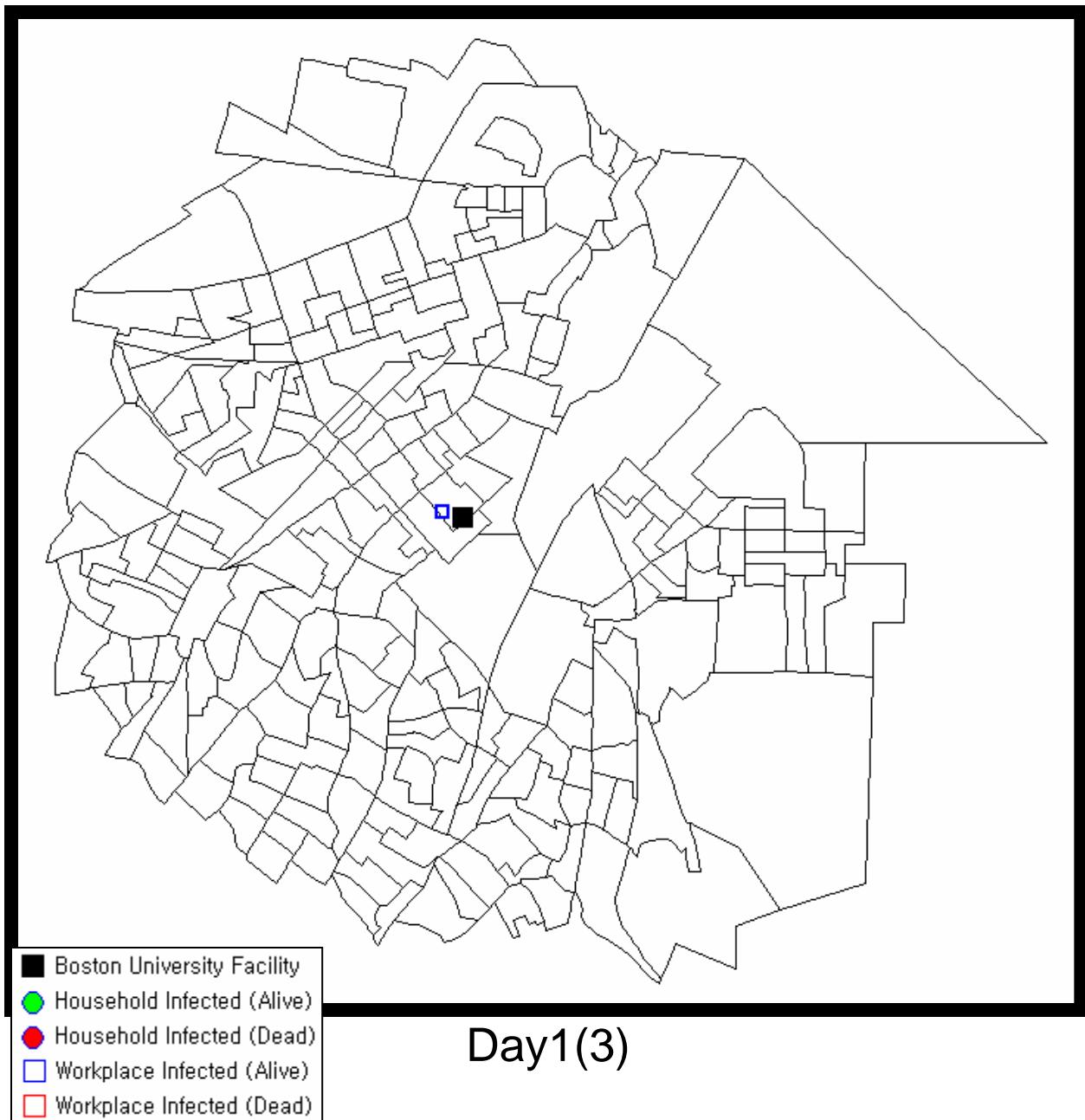
**Sabia (BUMC)**

## Co-Worker 1



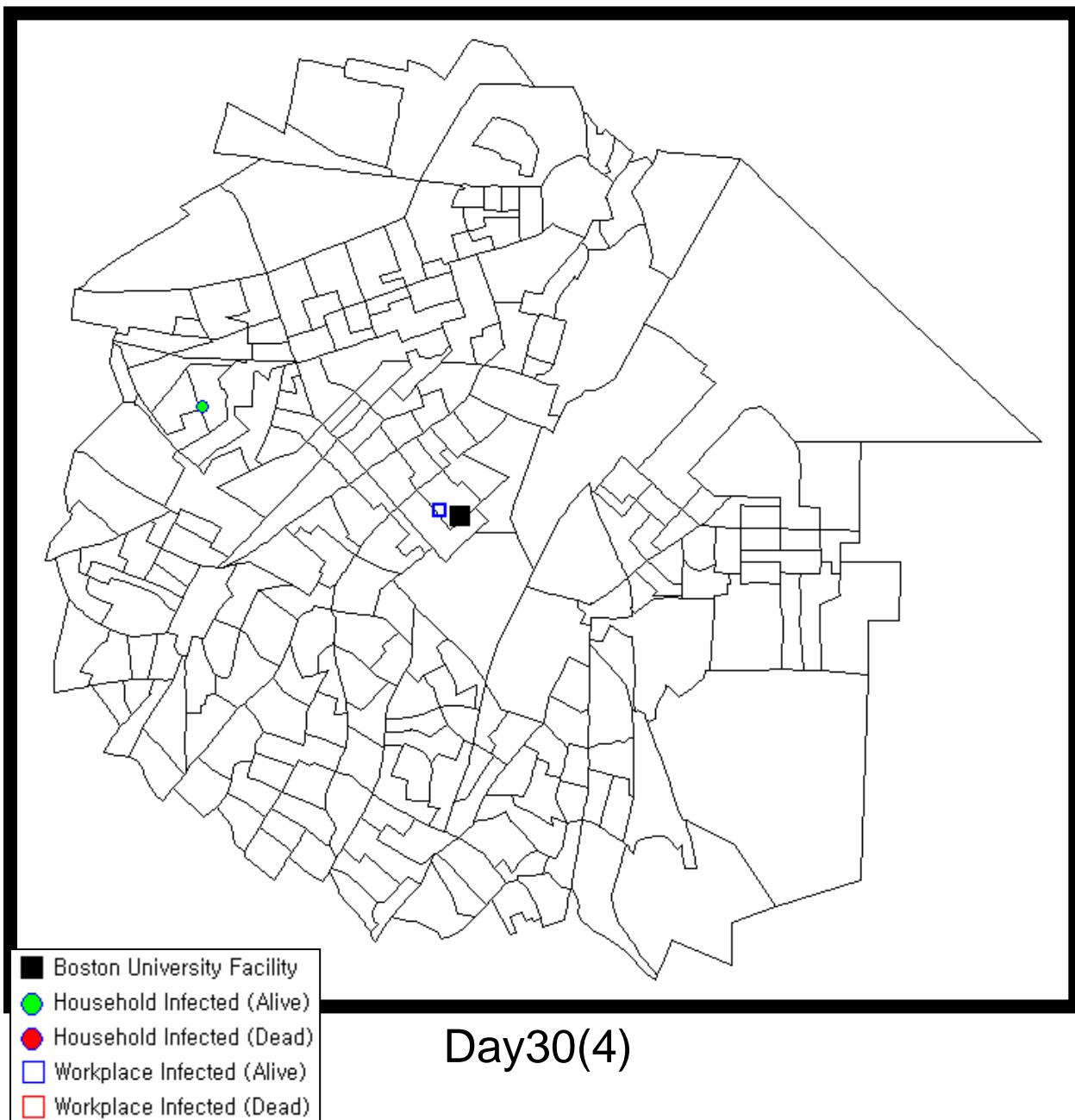
**Sabia (BUMC)**

## Co-Worker 2



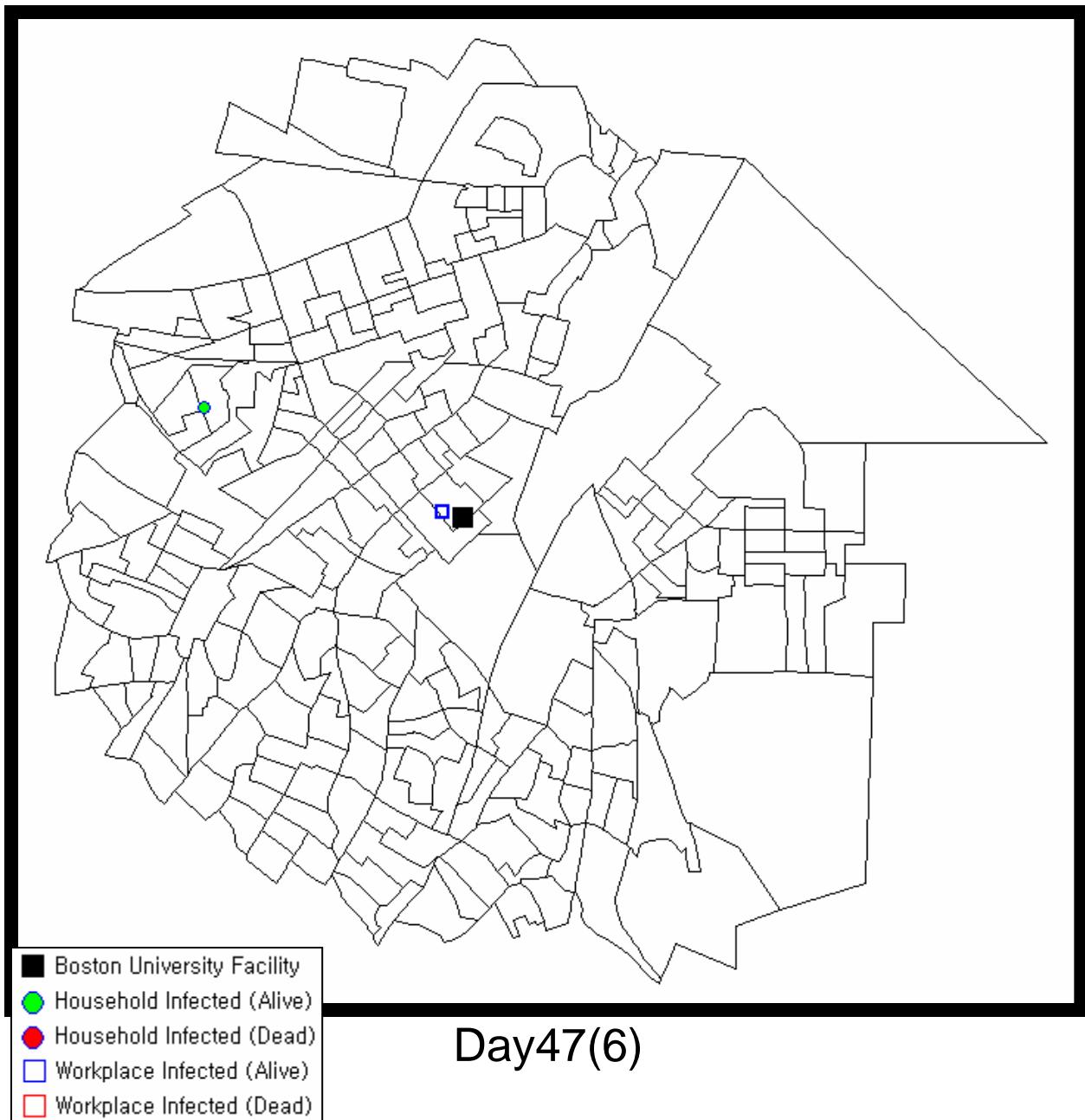
**Sabia (BUMC)**

## Husband of Co-Worker 2



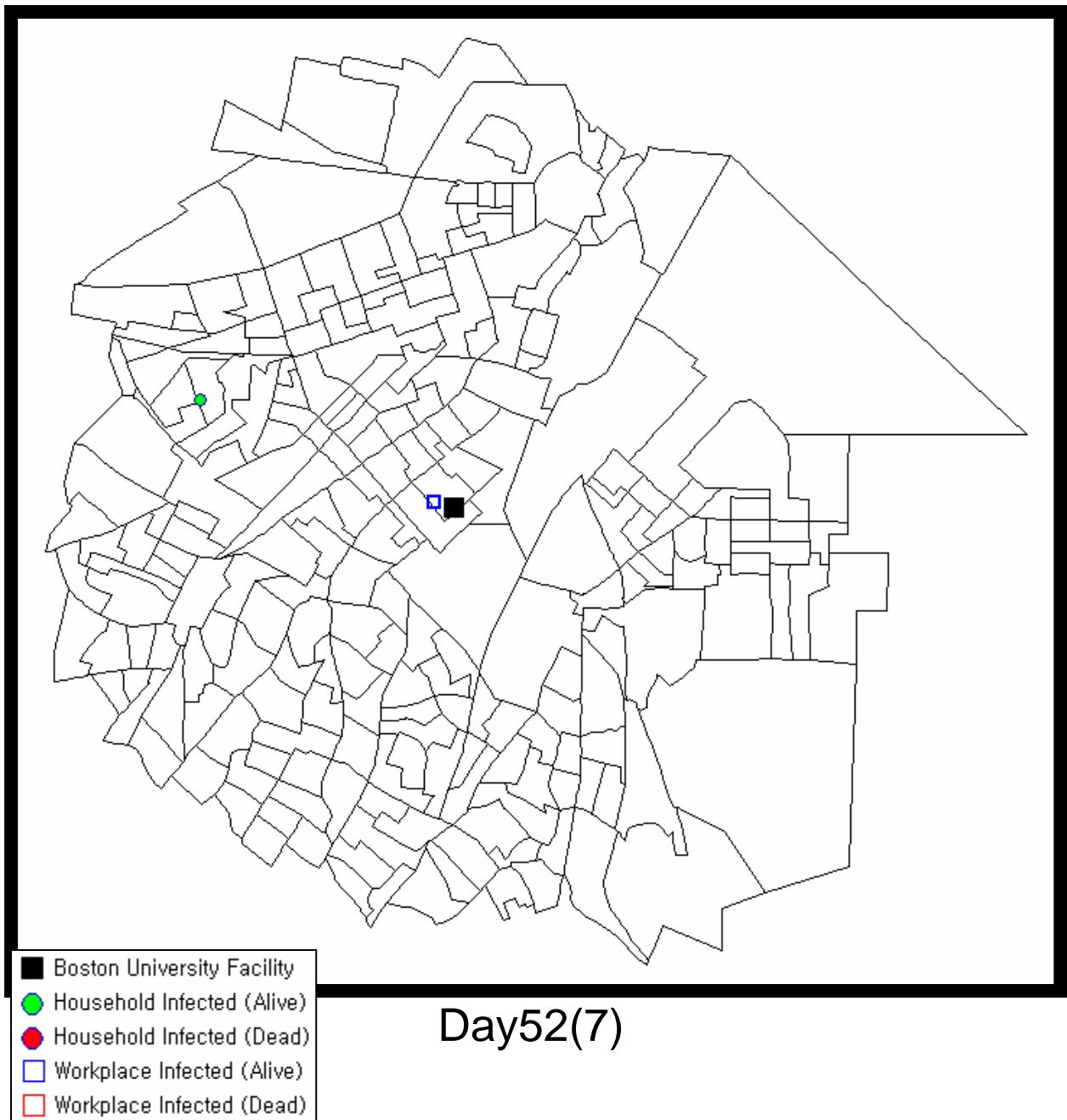
**Sabia (BUMC)**

## Nurse 1



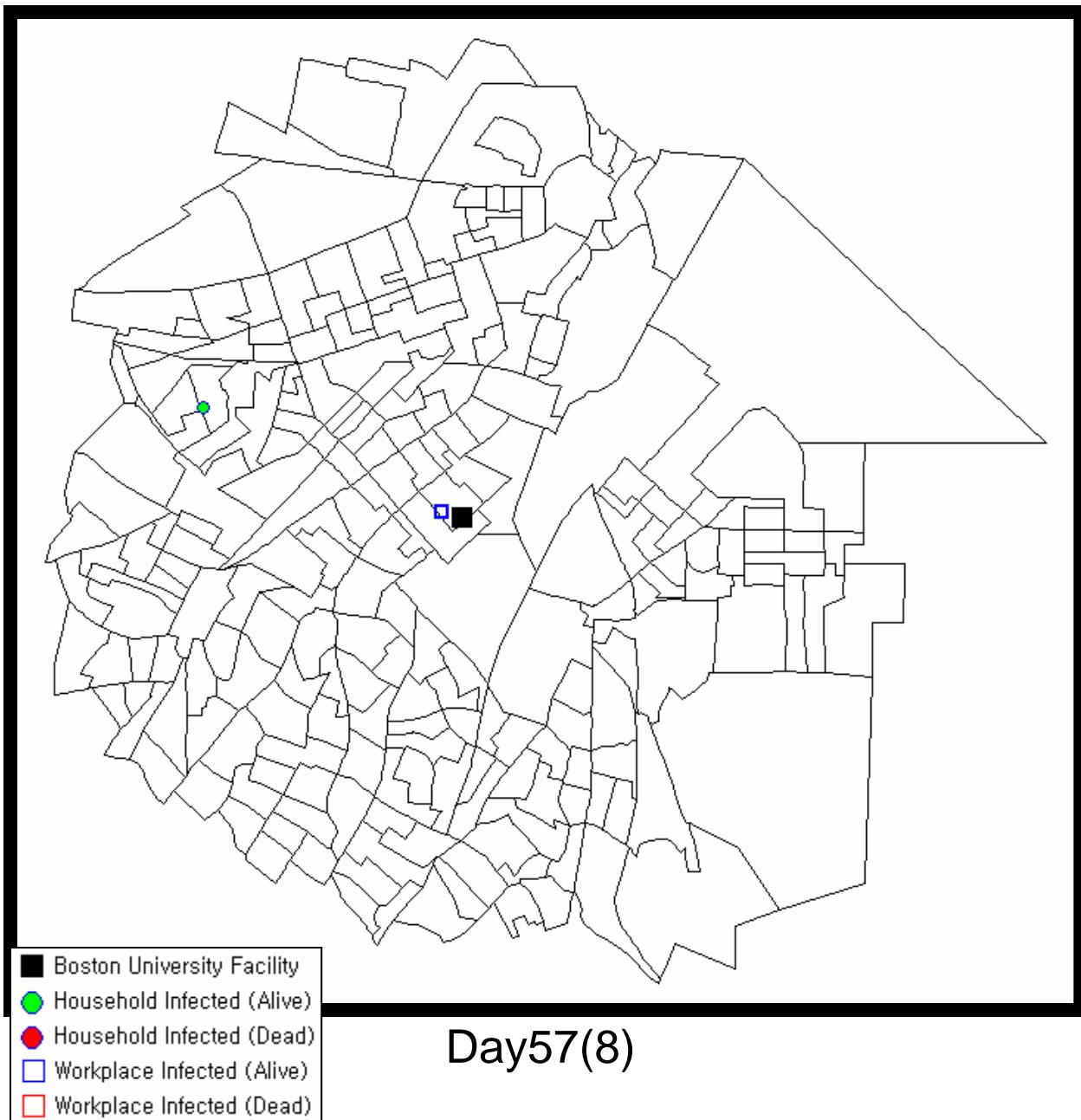
**Sabia (BUMC)**

## Nurse 3



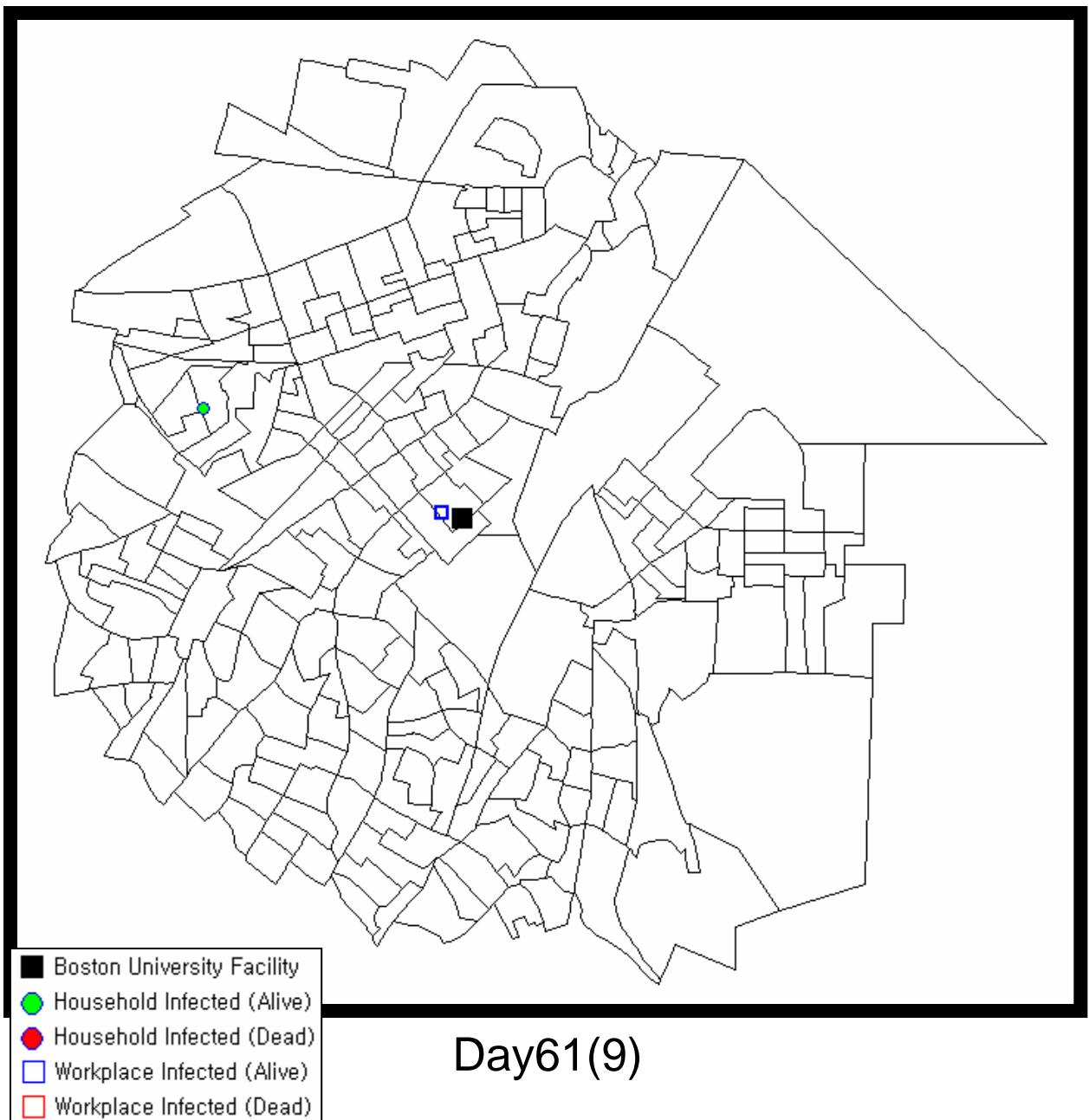
**Sabia (BUMC)**

## Co-Worker 3



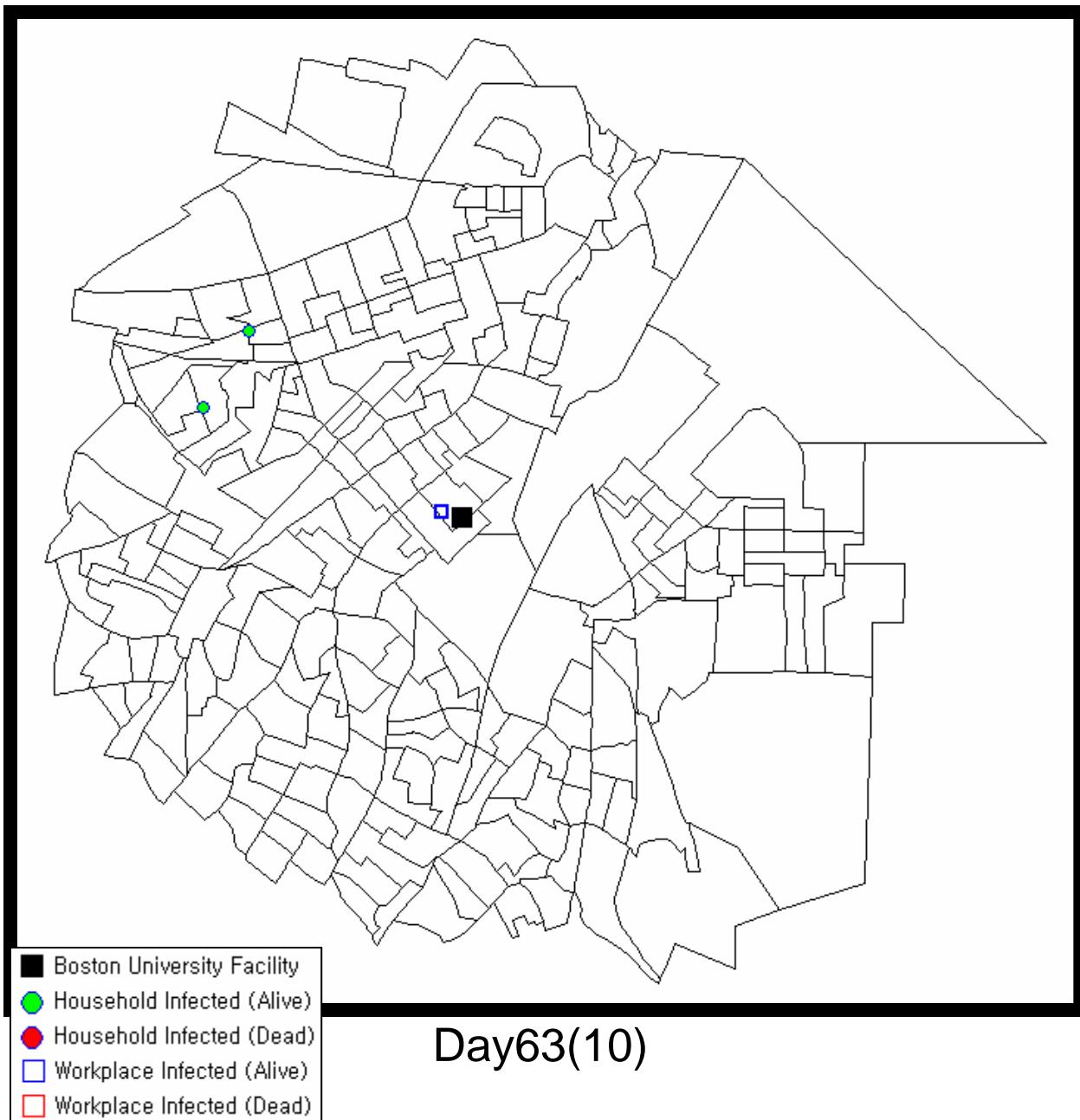
**Sabia (BUMC)**

## Co-Worker 4



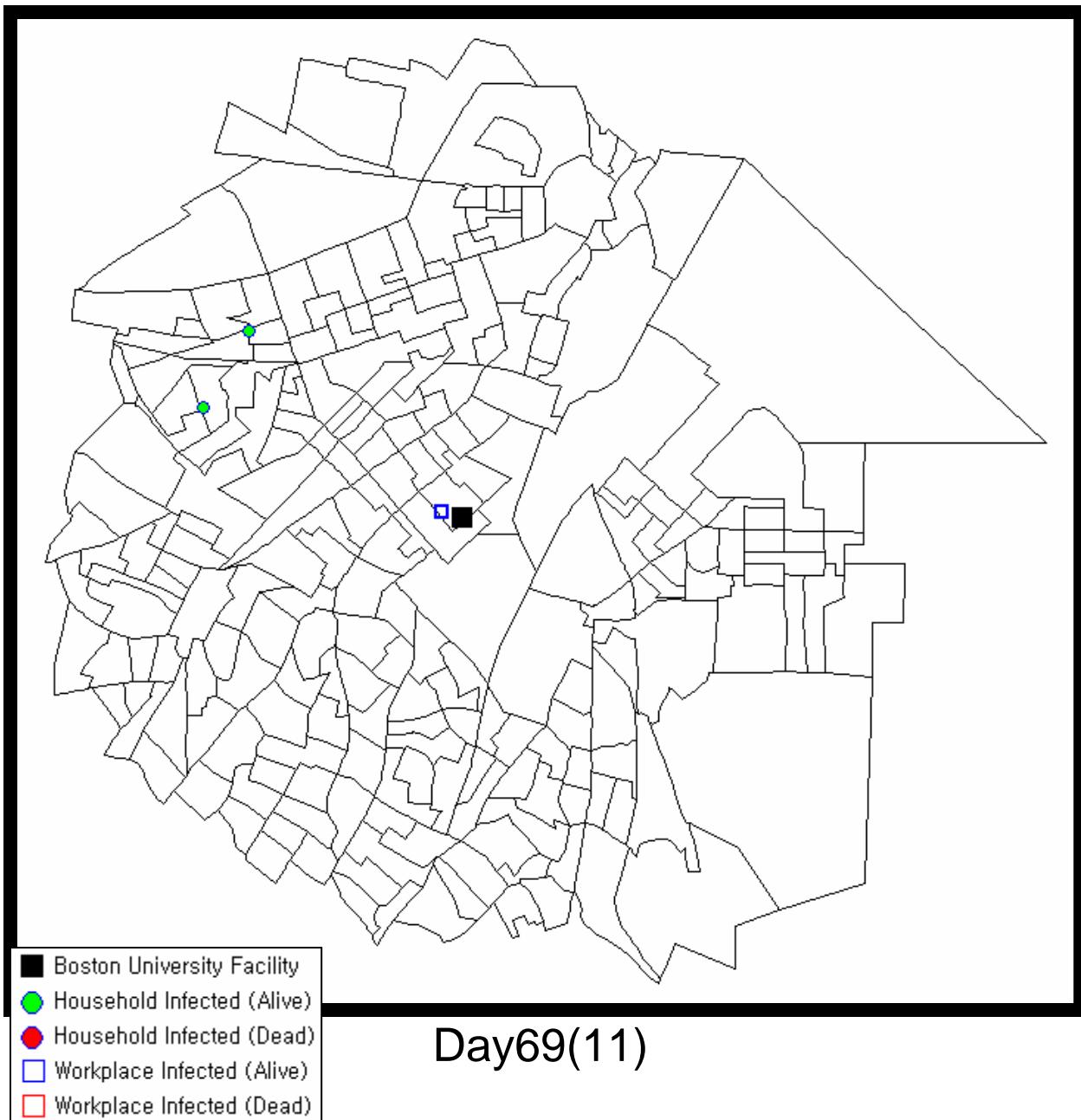
**Sabia (BUMC)**

## Apartment Roommate of a Nurse



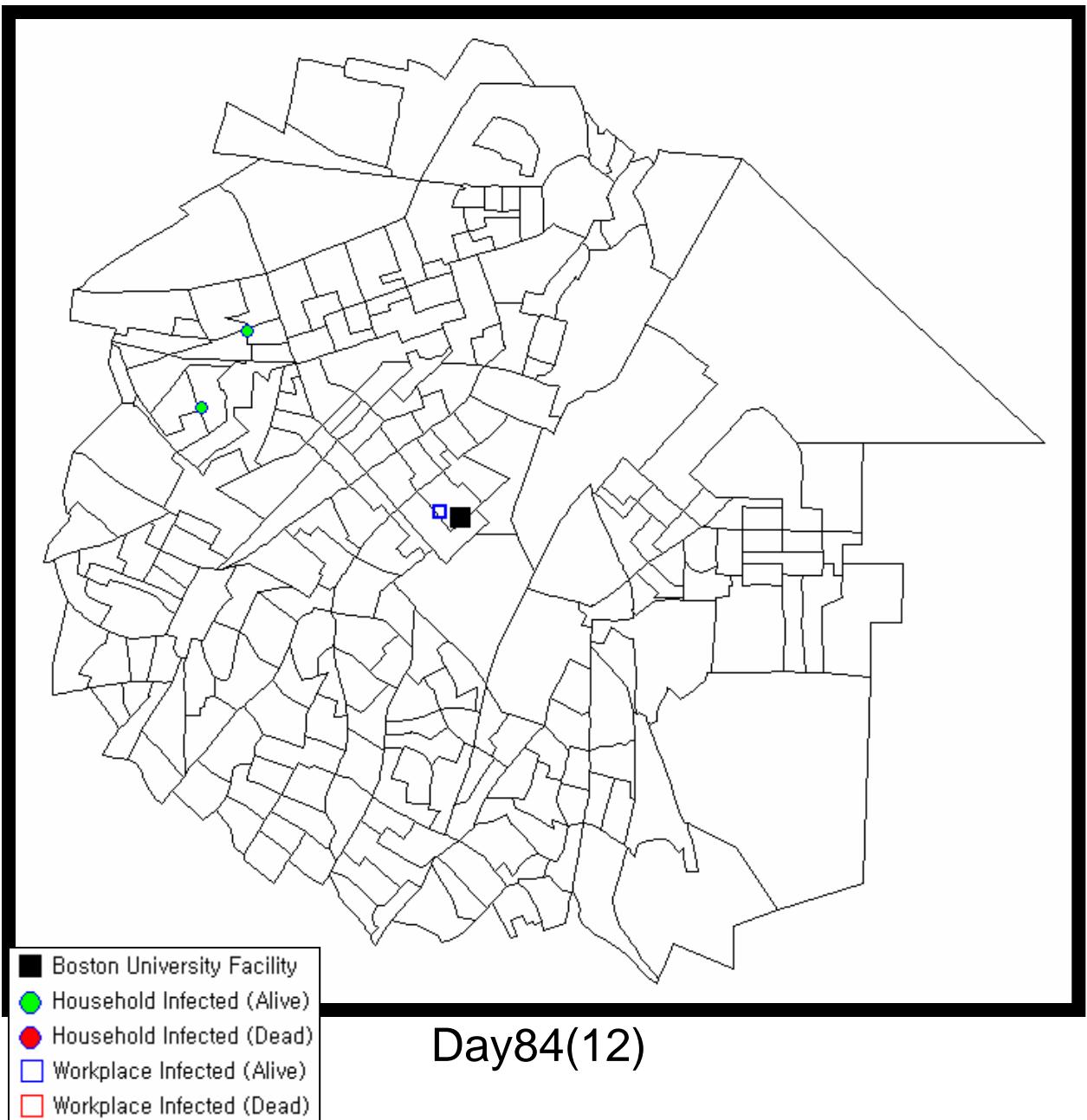
**Sabia (BUMC)**

## Nurse 4



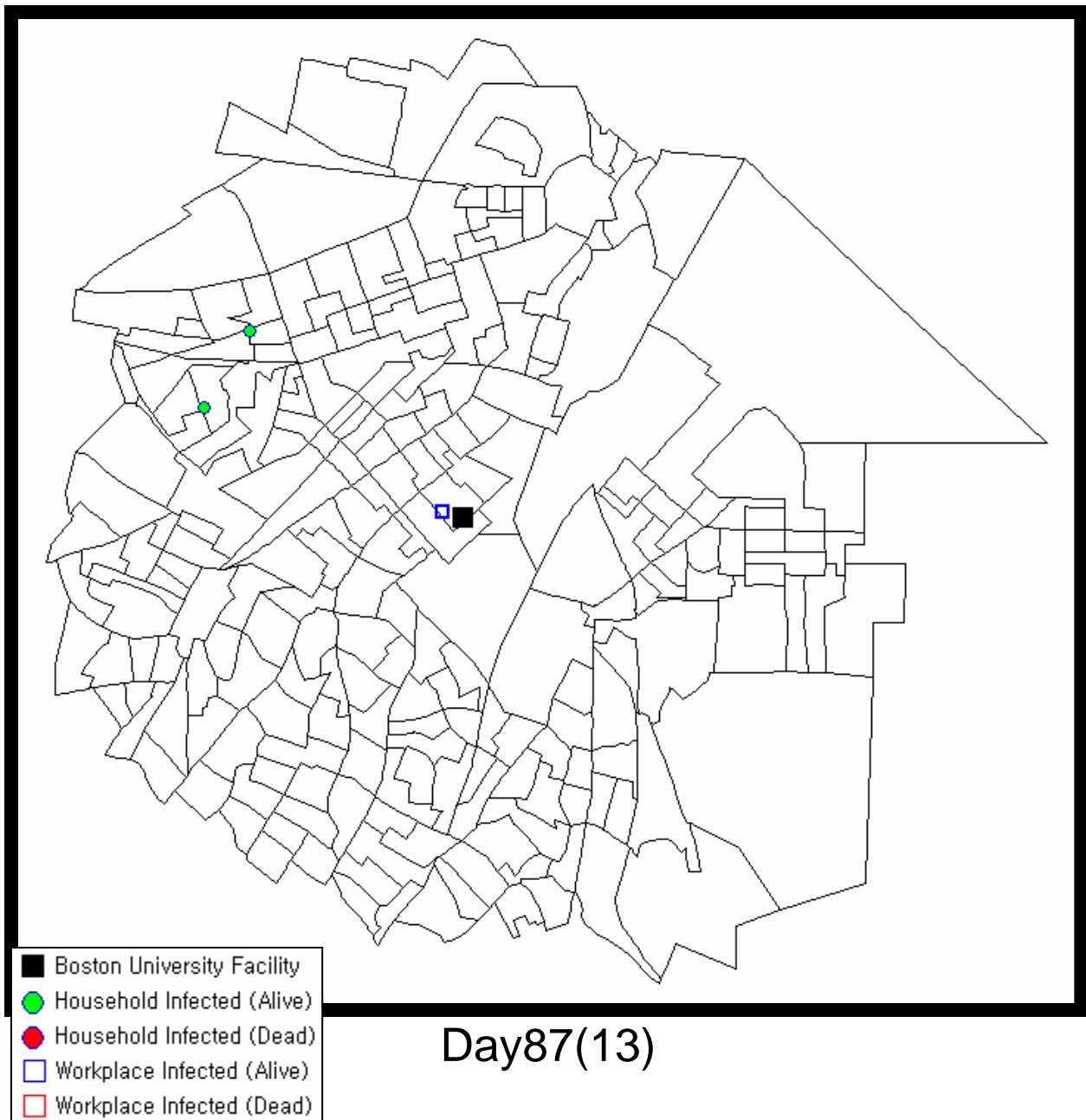
**Sabia (BUMC)**

## Apartment Roommate of a Nurse



**Sabia (BUMC)**

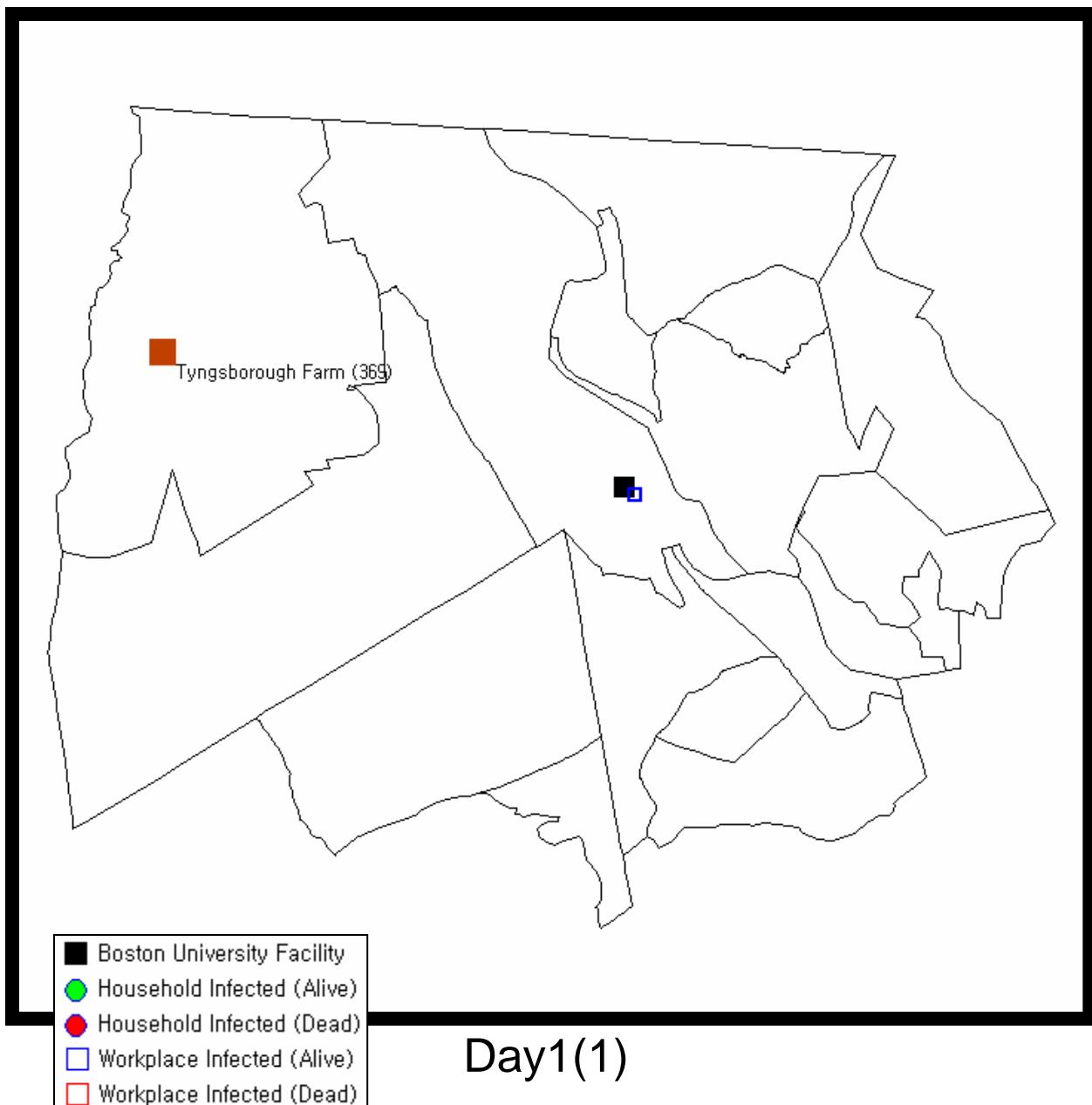
## Co-Worker 5



**Sabia (BUMC)**

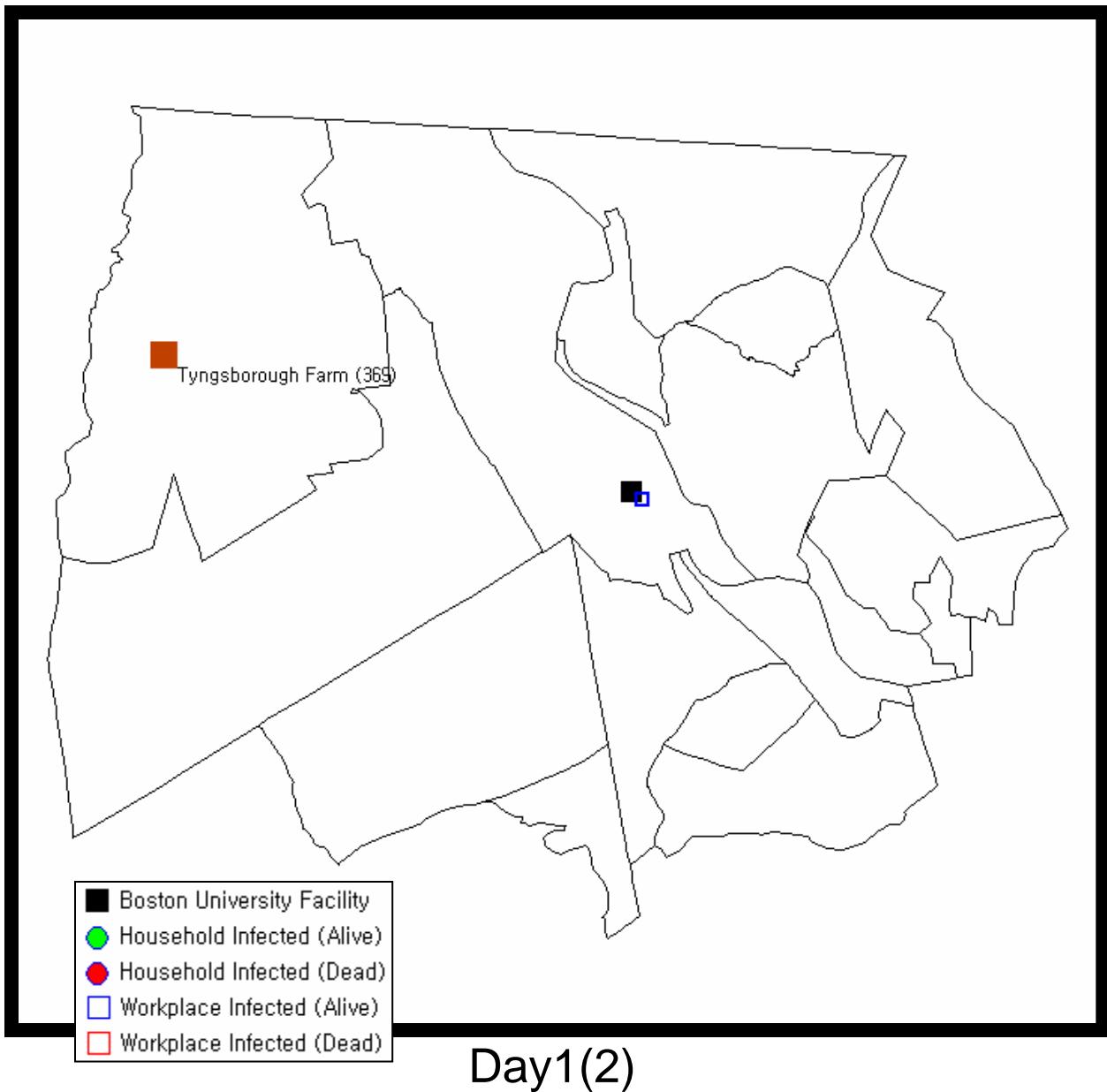
## **Sabia (Tyngsborough)**

## Scientist



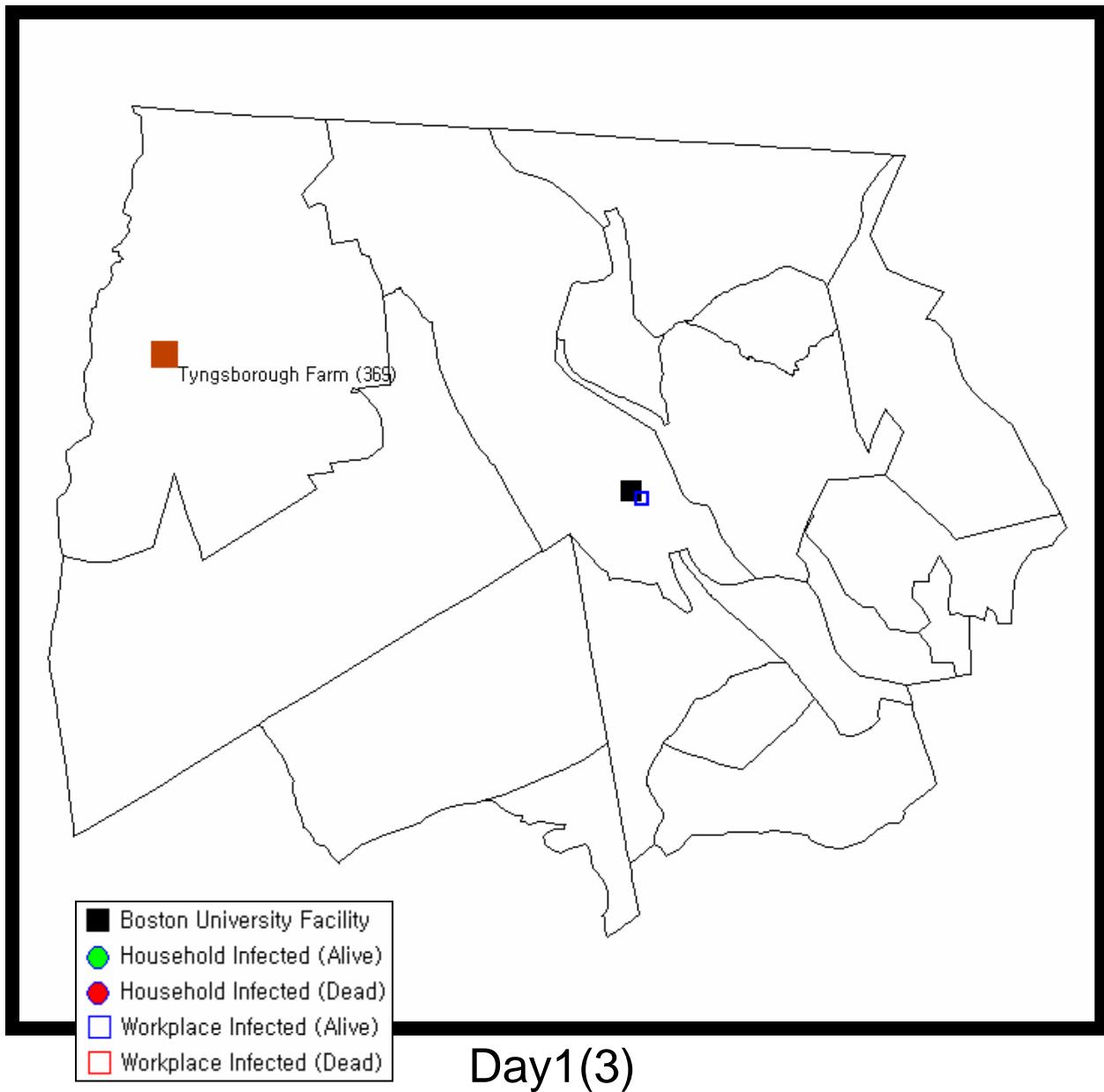
**Sabia (Tyngsborough)**

## Co-Worker 1



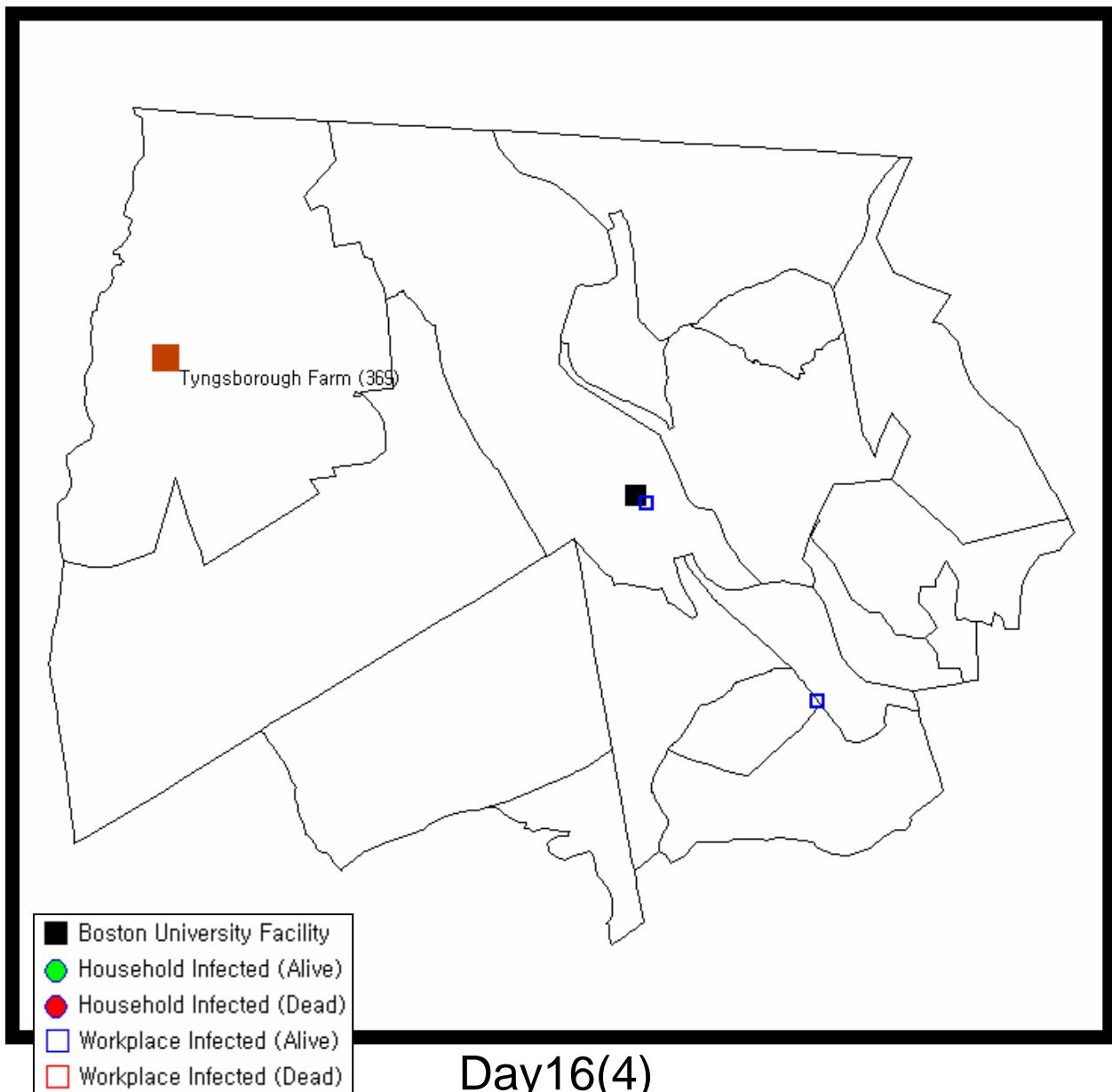
**Sabia (Tyngsborough)**

## Co-Worker 2



**Sabia (Tyngsborough)**

## Nurse



**Sabia (Tyngsborough)**

Appendix 1  
Example of A-BEST Simulation Output

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