Population Computation for 3 mile Radius

Population of Chicago, Illinois, 1982 = 2,940,000
Square Miles = 228.135

12887.11 people / mile^2

US EPA RECORDS CENTER REGION 5
455897

* 0-1 $A = \pi R^2$
$= 3.14 \text{ mile}^2 = 3.14$
$= 40,466$

0-2 $= 3.14 (2 \text{ mile})^2 = 12.56 \text{ m}^2$
$= 161,862$

0-3 $= 3.14 (3 \text{ mile})^2 = 28.26 \text{ m}^2$
$= 364,189$

0-4 $= 3.14 (4 \text{ mile})^2 = 50.24 \text{ m}^2$
$= 647448.$

* One mile radius primarily consists of an industrial park, therefore the one mile population is zero. For the other radii population, subtract the one mile population.