**Calculation to verify Household estimation (Version 1)**

**Observed Population Density:** 11636 per sq km

**Calculated Population Density: ?**

**Calculation:**

Calculated Population Value:

= Number of households X Average Number of people per household

= 26903\*3

= 80709

Calculated Population Density:

= Calculated Population Value / Area

= 80709 / Pi \* r^2

= 80709 / pi \* (1.5 Km)^2

= 80709 / 7.07 sq km

= 11416 per sq km

**So Calculated ≈ Observed Population Density**