

Following is a patch for the June 1999 release of the Synthetic Population Generator.

Problem: Every other line in the MABLE/GEOCORR file is skipped, which causes many block groups to be missing from the generated population.

File: \$TRANSIMS\_HOME/source/SYNPOP/SynthPop.C

Function: int ReadMableFile()

Solution:

Delete line 399 of the file.

```
fgets(Line, 900, input);
```

Old Lines 397 - 400

```
percent = 100.0 * ((float) current_line / (float) num_lines);
```

```
set_percent(percent);
```

```
fgets(Line, 900, input);
```

```
recs++;
```

New Lines 397 - 399

```
percent = 100.0 * ((float) current_line / (float) num_lines);
```

```
set_percent(percent);
```

```
recs++;
```

Recompile the Synthetic Population Generator.

See instructions in Volume 6 Installation, Section 3.2.1 *Compilation Requirements*, and 3.2.2 *Compilation Instructions*.

The egcs compiler, version 1.0.3a - version 1.1.2 must be used. Version 1.1.2 is recommended. The compiler is available from <http://egcs.cygnum.com>.

The synthetic population generator requires the xforms library and include files to be installed for recompilation (<http://bragg.phys.uwm.edu/xforms>).

Change directory to TRANSIMS\_HOME

```
% cd $TRANSIMS_HOME
```

Issue the following make command to recompile the synthetic population generator. You must use gnu make to compile TRANSIMS modules.

```
% make APP=SYNPOP OPTIMIZE=2
```