

DATA README FILE

The “Forests to Faucets” data includes two files, one representing the data inputs, “F2F_inputs.dbf,” and one representing the data outputs, “F2F_outputs.dbf.” In each file the unique row identifier is the 12-digit HUC code, “HUC1.” To view the data spatially, download the 12-digit HUC vector data from NRCS (<http://datagateway.nrcs.usda.gov>), and join the DBF tables using the HUC code as the unique identifier. Please refer to the “From the Forest to the Faucet: Drinking Water and Forests in the US” methods paper for detailed methods and data citations.

The list below describes the attributes of the “F2F_inputs.dbf” file:

- HUC1: The 12-digit HUC code that uniquely identifies each HUC
- HUC2: The 12-digit HUC code that uniquely identifies each downstream HUC
- PopServed: Number of people served by intakes found in the HUC. *Actual values have been replaced with 0 values. See section below about acquiring EPA Safe Drinking Water Information System (SDWIS).*
- Q_model: Mean Annual Water Supply, Q, from period 1953-1994 from Brown, et al (2008).
- 2PER_FOR: Percent forest in HUC
- 2PER_PRONF: Percent protected forest (including NFS forest) in HUC
- 2PER_NFS: Percent NFS forest in HUC
- 2PER_PRI: Percent private forest in HUC
- 3PER_INSEC: Percent of HUC highly threatened by Insects and Disease (using FHTET National Insect and Disease Risk Map)
- 3PER_DEV: Percent of HUC highly threatened by development (using Dave Theobald’s data for predicted housing density increase)
- 3PER_FIRE: Percent of HUC highly threatened by wildland fire (using National Fire Laboratory data for wildland fire risk)

The list below describes the attributes of the “F2F_outputs.dbf” file:

- HUC1: The 12-digit HUC code that uniquely identifies each HUC
- HUC2: The 12-digit HUC code that uniquely identifies each downstream HUC
- 1IMP: Index of importance to surface drinking water, IMP, ranked and normalized to be on a 0-100 scale.
- 2IN_FOR: Index of forest importance to surface drinking water, FIMP. Created by multiplying “1IMP” by “2PER_FOR”
- 2IN_PRONF: Index of protected forest importance to surface drinking water, PronfFIMP. Created by multiplying “1IMP” by “2PER_PRONF”
- 2IN_NFS: Index of NFS forest importance to surface drinking water, nfsFIMP. Created by multiplying “1IMP” by “2PER_NFS”
- 2IN_PRI: Index of private forest importance to surface drinking water, PriFIMP. Created by multiplying “1IMP” by “2PER_PRI”
- 3_INS_FOR: Index of insect and disease threat to forests important to surface drinking water. Created by multiplying “2IN_FOR” by “3PER_INSEC”
- 3_DEV_FOR: Index of development threat to forests important to surface drinking water. Created by multiplying “2IN_FOR” by “3PER_DEV”
- 3_FIR_FOR: Index of wildland fire threat to forests important to surface drinking water. Created by multiplying “2IN_FOR” by “3PER_FIRE”