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Supplementary Materials: Effect of National-Scale Afforestation on Forest Water Supply and Soil Loss in South Korea, 1971–2010

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Table 1. Input data information and sources in this study

| Variables | Content | Time scale | Source |
|--------------------------|----------------------------------------------------------------|-------------|-----------------------------------------------------------------------------------------------------|
| Topographical data | Slope, aspect, elevation | - | National Geographic Information Institute (NGII) |
| Land cover data | Land cover | 1997 | Ministry of Environment (ME) |
| Forest data | Forest stock cover | 1971– 2005 | Simulated from 5th National Forest Inventory (NFI) and forest scenario from Lee et al. (2014) |
| Weather data | Precipitation, Relative humidity, Temperature | 1971 – 2010 | Korea Meteorological Administration(KMA) Climate Forecast System Reanalysis (CFSR) |
| Evapotranspiration | Potential Evapotranspiration | 1971 – 2010 | Global Land Data Assimilation System (GLDAS) |
| Soil & Plant (InVEST) | Depth to root restricting layer Plant available water fraction | - | Constructed from Song et al.(2015) |
| Soil map (SWAT) | Soil series (Soil dep th, Organic carbon etc.) | - | Soil Information System (SIS) of RDA |
| Watershed | Watershed, Sub-watershed | - | Water Resources Management Information System (WAMIS) |