Replication Document for

"The Missing Benefits of Clean Water and the Role of Mismeasured Pollution"

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Replication Notes:

- Due to confidentiality agreements, two data sources cannot be provided for replication purposes. The first, the National Survey on Recreation and the Environment (NSRE), provides data on individual-level recreational use in the United States. Although these data are confidential, researchers can request them from the NSRE team by contacting Shela Mou at the US Forest Service (smou@fs.fed.us or at 706-559-4262). The second data source, the 1997 National Resources Inventory (NRI), is produced by the U.S. Department of Agriculture Natural Resource Conservation Service (USDA NRCS). These data are used to construct county-level estimates of soil erosion in the U.S. These data can be requested by contacting the NRI help desk at nri@wdc.usda.gov.

- The following STATA files have been provided to help researchers replicate the study's findings if the confidential data above are obtained. These data provide county-level measures of other data (i.e., water quality and controls) that can be merged with recreation data from the NSRE. Intermediate data steps are described in the paper and are available from the author upon request.

    - RegNL_Main.dta: this file provides county-level data for replicating analyses pertaining to the USEPA estimating sample. See Analysis_EPA.do for exact Tables and Figures.

    - RegNL_Placebo.dta: this file provides county-level data for replicating analyses pertaining to the USEPA estimating sample. See Analysis_EPA.do for exact Tables and Figures.

    - RegSparrow_Main.dta: this file provides county-level data for replicating analyses pertaining to the USGS estimating sample. See Analysis_USGS.do for exact Tables and Figures. See Analysis_USGS.do for variable definitions.

    - RegSparrow_Placebo.dta: this file provides county-level data for replicating analyses pertaining to the USGS estimating sample. See Analysis_USGS.do for exact Tables and Figures. See Analysis_USGS.do for variable definitions.

- The following STATA code replicates the tables and figures in the paper:

    - Analysis_EPA.do: Once the NSRE and NRI data are merged with the county-level data file, this file replicates the tables and figures in the paper that are based on the US EPA sample.

- Analysis_USGS.do: Once the NSRE and NRI data are merged with the county-level data file, this file replicates the tables and figures in the paper that are based on the USGS sample.

- The following Excel file replicates the attenuation factor estimates in Table 5:

  - Measurement_Error.xlsx