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### **Supplemental Material**

#### **Towards Consistent Methodology to Quantify Populations in Proximity to Oil and Gas Development: A National Spatial Analysis and Review**

Eliza D. Czolowski, Renee L. Santoro, Tanja Srebotnjak, Seth B.C. Shonkoff

This Supplemental Appendix provides detailed tables of results from the proximal population study across all buffer distances, as well as a detailed discussion of the caveats and advantages of various population allocation methods.

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##### **PART I: RESULTS TABLES**

**Table S1.** National population living in proximity to a confirmed-active oil and/or gas well, all buffer distances, by demographic

**Table S2.** National population living in proximity to a confirmed-active oil and/or gas well, all buffer distances, by well type and primary production category.

**Note:** Percentages sum to greater than 100 due to proximal overlap in well type buffers.

**Table S3.** Populations living in proximity to a confirmed-active oil and/or gas well, 400 m, 800 m, and 1600m buffers by state.

##### **PART II. WELL TYPE UNCERTAINTY**

##### **PART III. POPULATION ALLOCATION METHODS**

##### **References**