**Supplementary Materials**

***References represented in spatial bibliography***

To map this spatial bibliography, we selected studies that explicitly measure variation in both land use (or land cover) and coral condition. We excluded laboratory experiments that do not measure land use change, and sediment or nutrient budgets that do not measure coral health. We included studies that survey corals at various distances from a shoreline land use, as a proxy for changing land-use pressure. Studies were selected from a “Web of Science” v5.32 (Clarivate Analytics 2019) search of ridge-to-reef keywords, as described in the Introduction.

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