

1 **Supplementary Information for**

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3 **Planetary Boundaries for a Blue Planet**

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8 **Supplementary Note 1:** Glossary

9 **Supplementary Note 2:** Literature review methods

10 **Supplementary Note 3:** Materials and methods for calculating and mapping human

11 appropriated net primary production, including data availability statement

12 **Supplementary Table 1:** Trophic efficiency schedule detailing percentage energy transfer

13 among trophic levels

14 **Supplementary Figure 1:** Publications referencing planetary boundaries

15 **References**

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