



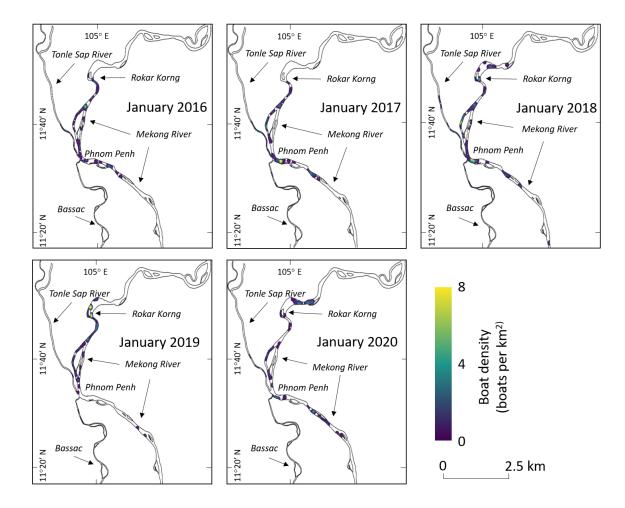
Supplement of

Sand mining far outpaces natural supply in a large alluvial river

Christopher R. Hackney et al.

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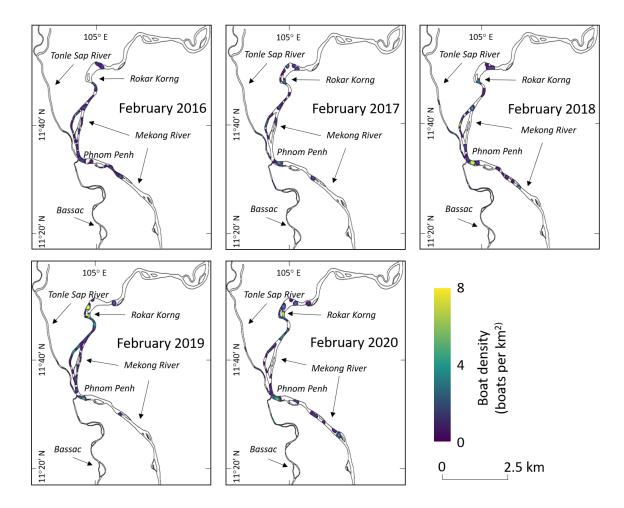
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15 Figure S1: Annual heat maps for January for the period 2016 - 2020 of the Mekong River around Phnom Penh

16 showing the locations of mining activity and the density of boats (boats per km²) showing changes in the spatial

17 distribution of mining activity over the five year period.



19 Figure S2: Annual heat maps for February for the period 2016 - 2020 of the Mekong River around Phnom Penh

20 showing the locations of mining activity and the density of boats (boats per km²) showing changes in the spatial

21 distribution of mining activity over the five year period.

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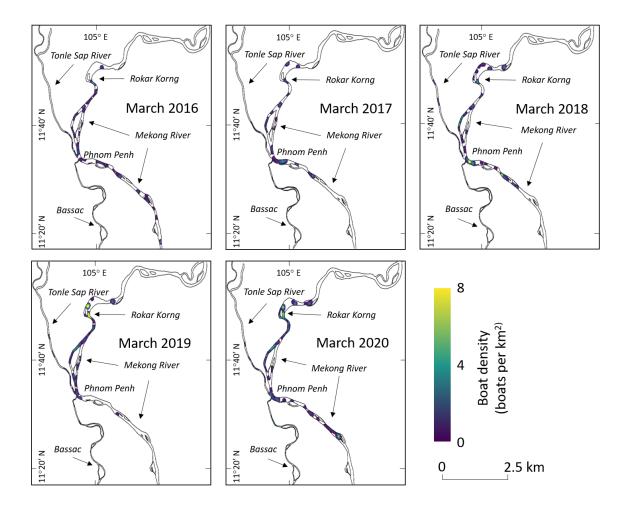
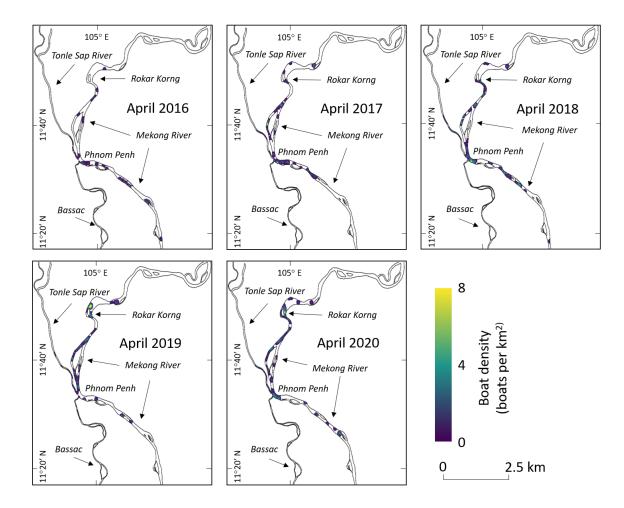


Figure S3: Annual heat maps for March for the period 2016 - 2020 of the Mekong River around Phnom Penh

26 showing the locations of mining activity and the density of boats (boats per km²) showing changes in the spatial

27 distribution of mining activity over the five year period.

28



31 Figure S4: Annual heat maps for April for the period 2016 - 2020 of the Mekong River around Phnom Penh

32 showing the locations of mining activity and the density of boats (boats per km²) showing changes in the spatial

33 distribution of mining activity over the five year period.

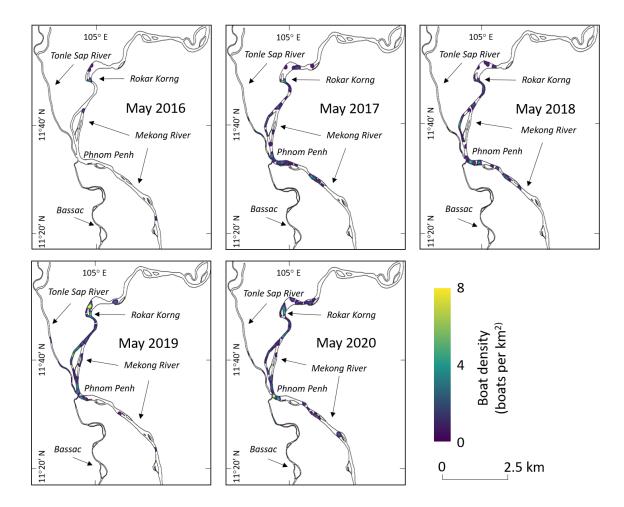
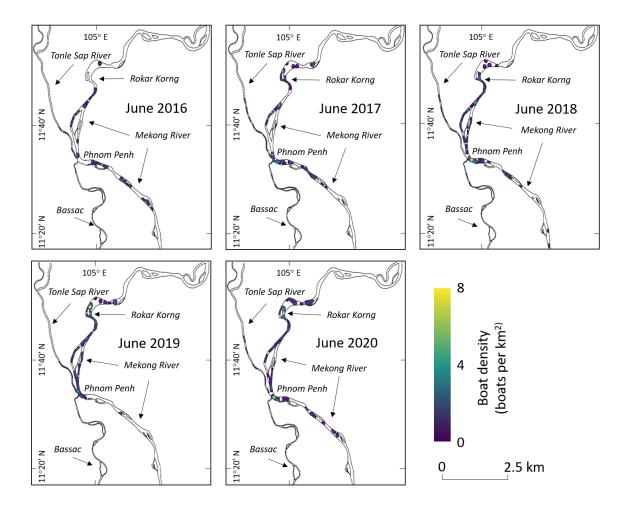


Figure S5: Annual heat maps for May for the period 2016 - 2020 of the Mekong River around Phnom Penh showing
the locations of mining activity and the density of boats (boats per km²) showing changes in the spatial distribution of
mining activity over the five year period.

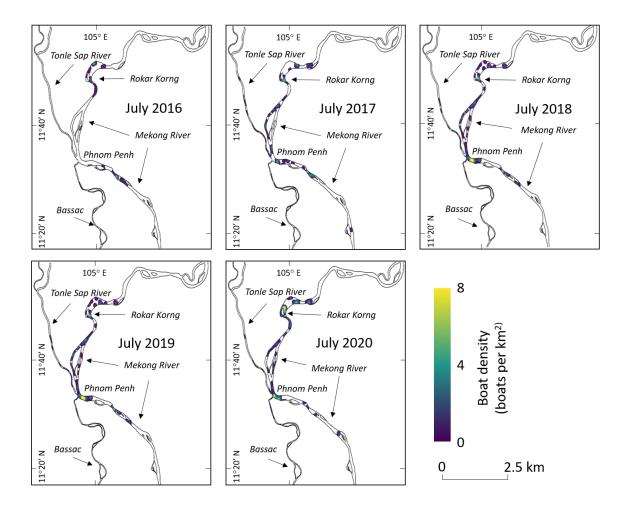
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51 Figure S6: Annual heat maps for June for the period 2016 - 2020 of the Mekong River around Phnom Penh showing

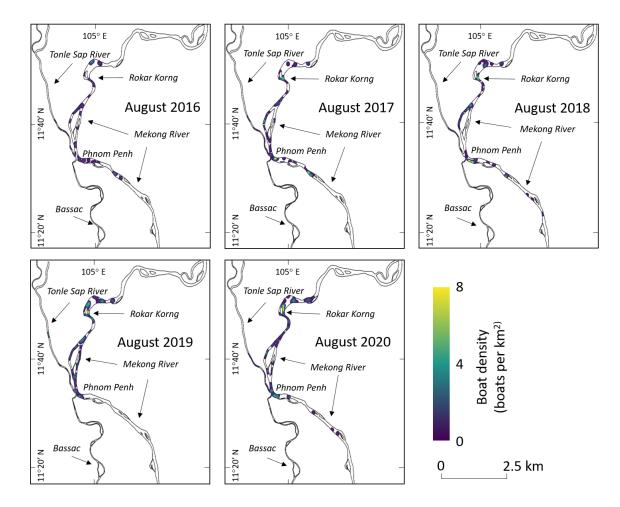
the locations of mining activity and the density of boats (boats per km²) showing changes in the spatial distribution of
mining activity over the five year period.

54



57 Figure S7: Annual heat maps for July for the period 2016 - 2020 of the Mekong River around Phnom Penh showing

58 the locations of mining activity and the density of boats (boats per km²) showing changes in the spatial distribution of 59 mining activity over the five year period.

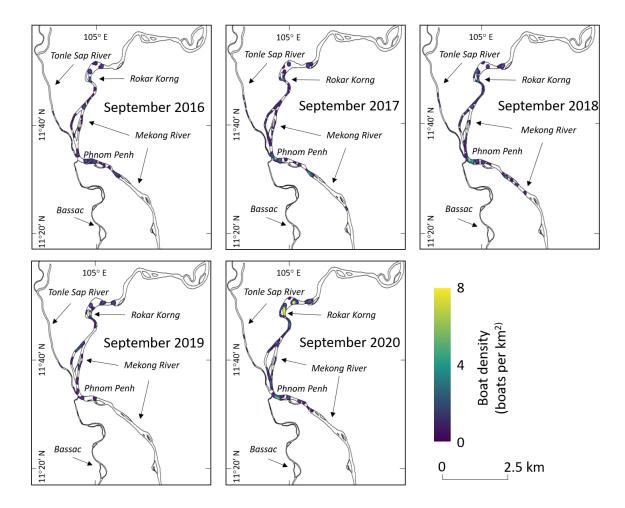


62 Figure S8: Annual heat maps for August for the period 2016 - 2020 of the Mekong River around Phnom Penh

63 showing the locations of mining activity and the density of boats (boats per km²) showing changes in the spatial

64 distribution of mining activity over the five year period.

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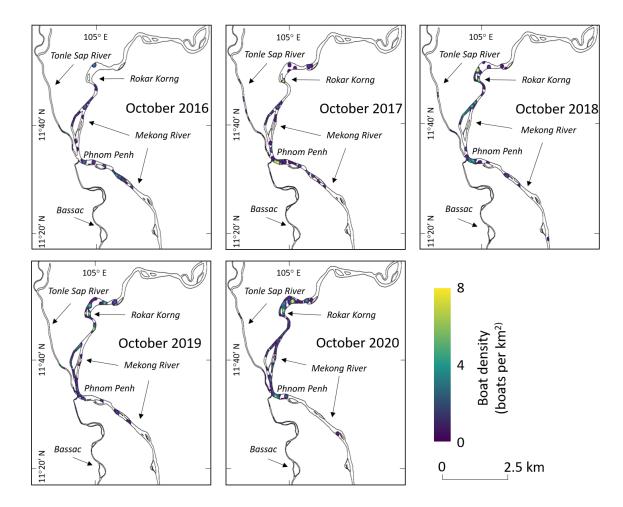


68 Figure S9: Annual heat maps for September for the period 2016 - 2020 of the Mekong River around Phnom Penh

69 showing the locations of mining activity and the density of boats (boats per km²) showing changes in the spatial

70 distribution of mining activity over the five year period.

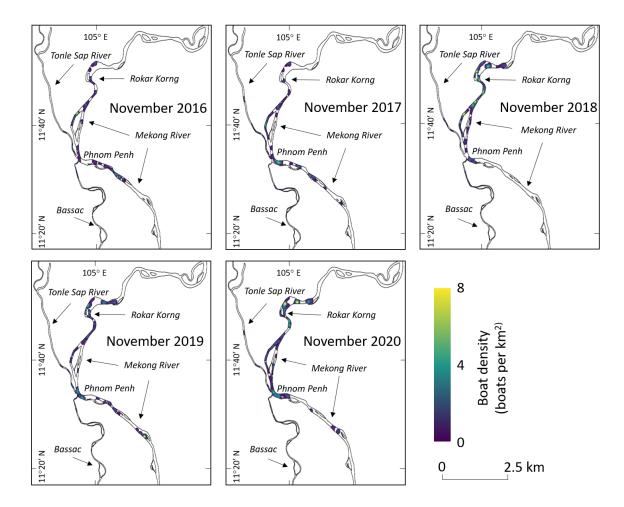
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74 Figure S10: Annual heat maps for October for the period 2016 - 2020 of the Mekong River around Phnom Penh

showing the locations of mining activity and the density of boats (boats per km²) showing changes in the spatial
distribution of mining activity over the five year period.

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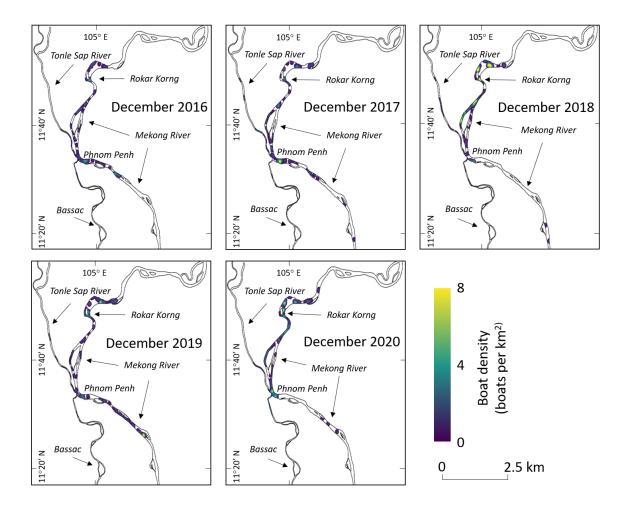


80 Figure S11: Annual heat maps for November for the period 2016 - 2020 of the Mekong River around Phnom Penh

81 showing the locations of mining activity and the density of boats (boats per km²) showing changes in the spatial

82 distribution of mining activity over the five year period.

83



86 Figure S12: Annual heat maps for December for the period 2016 - 2020 of the Mekong River around Phnom Penh

87 showing the locations of mining activity and the density of boats (boats per km²) showing changes in the spatial

88 distribution of mining activity over the five year period.