

Impacts of selective logging on forest elephants (*Loxodonta cyclotis*) in two timber concessions of central Africa

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Forest elephants shape landscapes





What are the impacts of selective logging on forest elephant abundances and movement ?

SEFAC timber concession (Cameroon)

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The CornellLab of Omithology Bioacoustics Research Program

SEFAC (Cameroon)

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Method: 24 camera traps (CT) and 12 acoustic sensors (ARU) equally distributed in 2 annual allowable cuts (AAC) for seven weeks



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Results: No significant differences between formerly and recently logged areas



CEB-PW (Gabon)



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Method: 35 camera traps for three months + 72 km of transects, before and after logging, in three annual allowable cuts (AAC)



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CEB-PW (Gabon)

Preliminary results: more forest elephant dung observed after logging

2020 : 298 forest elephant dung

logging

2022 : 780 forest elephant dung



The abundance of vegetation might attract forest elephants in disturbed areas

Perspectives

- Study the use of logging roads and skidding trails by forest elephants
 - 60 camera traps
 - 60 km of dung count



Perspectives

Study the use of logging roads and skidding trails by forest elephants

• Study the impact of forest elephants on timber species

TAKE HOME MESSAGE

Preliminary results suggest that the coexistence of forest elephants with selective and sustainable logging is possible.

Ongoing studies on the use of logging roads and on the impact of forest elephants on timber species.

THANK YOU

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