



SAMPLE REPORT

INDICATIVE FEASIBILITY ASSESSMENT

Kisumu Circular Biochar Project: screening report

biochar · Kenya · Feasibility · Puro.earth

Prepared for:	Example client (sample report)
Prepared by:	The Carbon Workbench
Report version:	1.0
Scenario:	Working case
Snapshot:	Unsaved draft
Date:	29 September 2026

CONTENTS

01 Net removal estimate

Included



SUMMARY

This report assembles the calculations saved against Kisumu Circular Biochar Project (example). It covers 1 of 1 sections. Figures are indicative, derive from inputs supplied by the developer, and have not been validated by any standard or registry.

PROJECT DETAILS

Project identity and boundary

Field	Recorded value
Project name	Kisumu Circular Biochar Project (example)
Project type	biochar
Host country	Kenya
Stage	Feasibility
Standard	Puro.earth
Methodology	Puro Biochar Methodology
Feedstock	Agricultural residues

01. NET REMOVAL ESTIMATE

NET REMOVAL ESTIMATE

2,142

tCO₂e / year

Estimated net removal after process, logistics, permanence and crediting deductions. Screening estimate, not a verified figure.

Calculation ledger

Line item	Value	Basis	Treatment
Gross carbon removal	3,080 tCO ₂ e	Modelled output	
Process emissions	246 tCO ₂ e	Deduction	Deduction
Logistics and diesel	130 tCO ₂ e	Deduction	Deduction
Permanence discount	324 tCO ₂ e	Deduction	Deduction
Crediting haircut	238 tCO ₂ e	Deduction	Deduction
Net estimate	2,142 tCO ₂ e	Screening total	Total



Net removal estimate calculation bridge

Gross carbon removal		3,080 tCO ₂ e
Process emissions		246 tCO ₂ e
Logistics and diesel		130 tCO ₂ e
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Net estimate		2,142 tCO ₂ e

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CHECKABLE WORKING

5000000 kg wet biomass > x0.80 dry share > x0.28 biochar yield > x0.75 carbon content > x3.667 CO₂:C > 2,141.526 tCO₂e net

Sources and references

Source	Use in report	Reference
Puro Standard biochar methodology	Method basis for removal accounting and permanence	https://puro.earth/
CO ₂ to carbon molecular weight ratio (44/12)	3.667 conversion factor	
H/Corg stability evidence	Needed to confirm permanence class	

REPORT READINESS

Evidence and actions recorded below.

- Net removal estimate: included

Scenario comparison

Scenario	Result	Basis
Working case (28% yield)	2,142 tCO ₂ e	Saved scenario



Scenario comparison

Scenario	Result	Basis
Conservative case (24% yield)	1,821 tCO ₂ e	Saved scenario
Upside case (30% yield)	2,302 tCO ₂ e	Saved scenario

Key assumptions

Assumption	Value	Evidence status
Wet biomass	5,000 t / year	Developer estimate
Moisture content	20%	Screening assumption
Biochar yield	28% of dry mass	Screening assumption
Carbon content	75% of biochar	Screening assumption
Process emissions	8% of gross	Screening assumption
Logistics and diesel	130 tCO ₂ e / year	Developer estimate
Permanence discount	12%	Pending H/Corg testing
Crediting haircut	10%	Conservative allowance

Risk register

Risk	Rating	Evidence gap	Next action
Feedstock supply	Medium	Supply contracts are not yet in place.	Secure offtake letters from residue suppliers
Carbon content evidence	High	Carbon content is assumed, not measured.	Commission laboratory testing
Permanence class	Medium	H/Corg ratio not yet tested.	Test representative batches

HIGH

Commission representative feedstock and biochar laboratory testing.

MEDIUM

Secure feedstock supply agreements before validation.

MEDIUM

Obtain VVB quotes using the verification cost estimator.



BASIS AND LIMITATIONS

This is an indicative screening assessment produced by The Carbon Workbench from figures supplied by the project developer. It is not a validation, verification, audit or eligibility determination and has not been reviewed by any standard or registry.

Credit prices are inherently uncertain and no forecast is offered. Issuance volumes depend on a validated monitoring plan, verification outcome and registry timing.

No project should proceed to capital commitment on the basis of this document. Independent validation against the chosen methodology is required first.