

General information

Remover name	Bamboologic		
Project code	BBL-L-002		
Project name	Bamboologic Alcoutim 2		
Location	Alcoutim, Portugal		
Area	63.75	ha	
Duration	20	years	project duration
Holding pool	20%		freed up when measurements confirm projection pathways
Project emissions	20%		LCA estimate, or specified when >20%

Per hectare

Baseline TEC	113	tCO2/ha	Soil Organic Carbon and Above G 11,2g/kg from certified measurements (conservative; not converted from SOM to SOC)
Reference capacity	742	tCO2/ha	Using CEDA and Soil sample data
Storage potential	629	tCO2/ha	Projection -/- baseline

Per project

Projected storage	40,100	tCO2	storage potential per ha x area x storage duration 100 year equivalent
LCA emissions	8,020	tCO2	project related emissions
Net storage potential	32,080	tCO2	project storage -/- emissions over 20 years

Potential Carbon Removal Units

Holding Pool	6,416	units	20% of the first 12 years
Potential units issued	25,664	units	

Field Code	Field name	Size (ha)	Owner
A	Alcoutim 109	63.75	Bamboologic
B			

Carbon Calculation for		BBL-L-002							
Surface	63.75	ha	Fields tab						
Capacity Reference SOC	43.08	SOC g/kg	References tab						
Capacity Reference AGB	208	tCO2e/ha	References tab						
	2022		2025		2028		2031		2034
Measurement average	6.496	SOC g/kg	#DIV/0!	SOC g/kg	#DIV/0!	SOC g/kg	#DIV/0!	SOC g/kg	#DIV/0! SOC g/kg
Sample depth	30	cm	#DIV/0!	cm	#DIV/0!	cm	#DIV/0!	cm	#DIV/0! cm
Calculation depth	30	cm		30 cm		30 cm		30 cm	
Soil density	1.541	g/cm3	#DIV/0!	g/cm3	#DIV/0!	g/cm3	#DIV/0!	g/cm3	#DIV/0! g/cm3
SOC (soil carbon) / ha	110	tCO2e/ha	#DIV/0!	tCO2e/ha	#DIV/0!	tCO2e/ha	#DIV/0!	tCO2e/ha	#DIV/0! tCO2e/ha
AGB (above ground) / ha	2.86	tCO2e/ha	#DIV/0!	tCO2e/ha	#DIV/0!	tCO2e/ha	#DIV/0!	tCO2e/ha	#DIV/0! tCO2e/ha
Storage current	7,202	tCO2e	#DIV/0!	tCO2e	#DIV/0!	tCO2e	#DIV/0!	tCO2e	#DIV/0! tCO2e
Storage capacity	47,303	tCO2e		47,303 tCO2e		47,303 tCO2e		47,303 tCO2e	

Sources									
value	source	URL	Notes						
CEDA aboveground biomass carbon	https://climatee	https://dataceda	2018 data						
SOC	A critical review of the conventional SOC to SOM conversion factor (Geoderma, Volume 156, Issues 3–4, 15 May 2010, Pages 75-83)								
Density	Wageningen Ur	https://edepot.wu	We've added these soil density levels to the calculation factors tab						
Reference data for capacity									
TEC	742	tCO2e/ha	Blan, Toulouse, F	https://research.t	Yuen et al., 2017	https://doi.org/10.1016/j.foreco.2017.01.017			
SOC (soil)	43.08	C g/kg							
AGB (biomass)	208	tCO2e/ha							

