

General information

Remover name	Kees en Bea Blom		
Project code	BEB-L-001		
Project name	Blommendal		
Location	Stoutenburg, NL		
Area	1.30	ha	
Start year	2023		
Project duration	20	years	
Holding pool	20%		freed up when measurements confirm projection pathways
Project emissions	20%		LCA estimate, or specified when >20%

Per hectare

Baseline TEC	574	tCO2/ha	Below Ground and Soil Organic Carbon, following CDM AR-ACM0003, excl above ground carbon
Reference capacity	722	tCO2/ha	Using CEDA and Soil sample data
Storage potential	148	tCO2/ha	Projection +/- baseline

Per project

Projected storage	193	tCO2	storage potential per ha x area
LCA emissions	39	tCO2	project related emissions
Net storage potential	154	tCO2	project storage +/- emissions over 20 years

Removal credits issued

Credits first 12 years	92	credits	12/20 x net storage potential
Holding Pool	18	credits	20% of the first 12 years
Credits issued	74	credits	

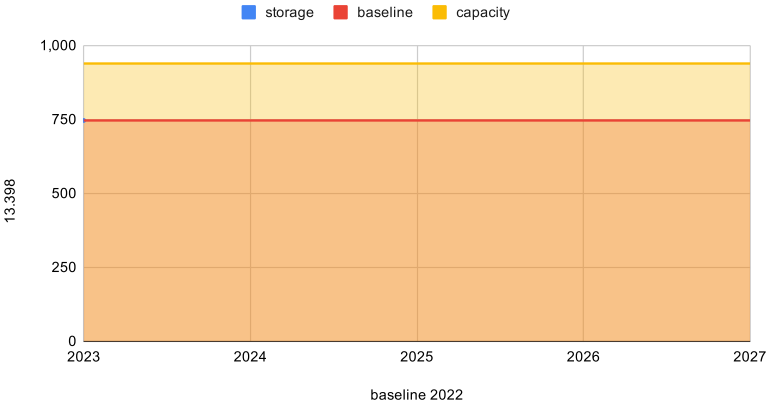
Field Code	Field name	Size (ha)	Owner	
001-BLO	Hoekperceel	1.3	Kees en Bea Blom	
001-R	Reference			

[illegible]

Carbon Calculation for BEB-L-001

Surface	1.3 ha	Fields tab							
Capacity Reference SOC	53.00 SOC g/kg	References tab							
Capacity Reference AGB	110.00 tCO2e/ha	References tab							
	2023		2024		2025		2026		2027
Measurement average	46.00 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		30 cm
Soil density	1.13 g/cm3	#DIV/0!	g/cm3	#DIV/0!	g/cm3	#DIV/0!	g/cm3	#DIV/0!	g/cm3
SOC (soil carbon) / ha	572 tCO2e/ha	#DIV/0!	tCO2e/ha	#DIV/0!	tCO2e/ha	#DIV/0!	tCO2e/ha	#DIV/0!	tCO2e/ha
AGB (above ground) / ha	2.27 tCO2e/ha	#DIV/0!	tCO2e/ha	#DIV/0!	tCO2e/ha	#DIV/0!	tCO2e/ha	#DIV/0!	tCO2e/ha
Storage current	746 tCO2e	#DIV/0!	tCO2e	#DIV/0!	tCO2e	#DIV/0!	tCO2e	#DIV/0!	tCO2e
Storage capacity	939 tCO2e		939 tCO2e		939 tCO2e		939 tCO2e		939 tCO2e

Carbon storage



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									
Reference description									
Data location									
SOC (soil)	53	C g/kg							
AGB (above ground)	110	tCO2e/ha							
reference coordinates full agroforest	1.5	tC/ha/yr	https://ilvo.vlaanderen.be/uploads/documents/Literatuurstudie-koolstofopslag-Agroforestry.pdf						

from C to CO2	3.666666667		
soil density	% organic matter	% organic carbon	soil density
1.59	0.5	0.25	1.59
1.52	1.5	0.75	1.52
1.45	2.5	1.25	1.45
1.39	3.5	1.75	1.39
1.34	4.5	2.25	1.34
1.29	5.5	2.75	1.29
1.24	6.5	3.25	1.24
1.18	7.5	3.75	1.18
1.13	8.5	4.25	1.13
1.09	9.5	4.75	1.09
1.05	10.5	5.25	1.05
1.01	11.5	5.75	1.01
0.96	12.5	6.25	0.96
0.93	13.5	6.75	0.93
0.9	14.5	7.25	0.9
0.87	15.5	7.75	0.87
0.84	16.5	8.25	0.84
0.81	17.5	8.75	0.81
0.79	18.5	9.25	0.79
0.77	19.5	9.75	0.77
0.75	20.5	10.25	0.75
0.73	21.5	10.75	0.73
0.71	22.5	11.25	0.71
0.7	23.5	11.75	0.7
0.69	24.5	12.25	0.69
0.67	25.5	12.75	0.67
0.65	27	13.5	0.65
0.62	29	14.5	0.62
0.6	31	15.5	0.6
0.58	33	16.5	0.58
0.56	35	17.5	0.56
0.54	37	18.5	0.54
0.52	39	19.5	0.52
0.5	41	20.5	0.5
0.49	43	21.5	0.49
0.47	45	22.5	0.47
0.46	47	23.5	0.46
0.44	49	24.5	0.44