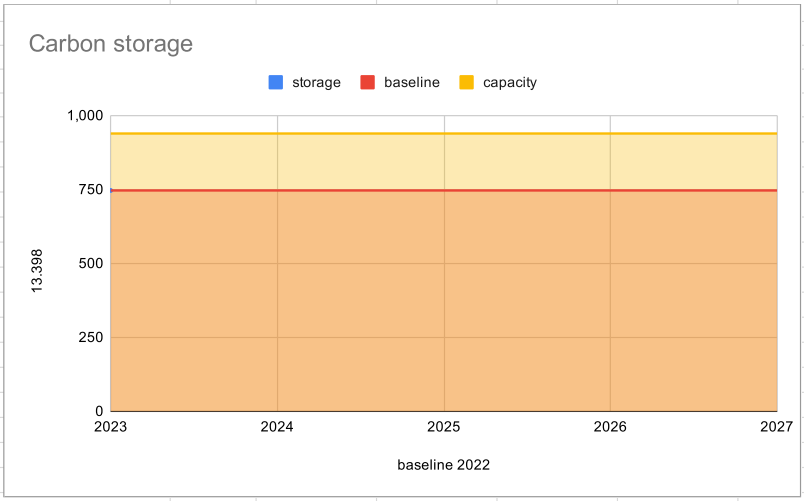
General information			
Remover name	Kees en Bea Blom		
Project code	BEB-L-001		
Project name	Blommendal		
Location	Stoutenburg, NL		
Area	1.30	ha	
Start year	2023		
Project duration	20	years	
Holding pool	20%		freed up when measurements confirm projection pathways
Project emissions	20%		LCA estimate,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

#	Field code	Field	Year	Date	Sample depth (cm)	SOC/AGB/REF	Carbon (g/kg)	AGB (tCO2/ha)	Sample/report nr.	Notes
001	001-BLO	Hoekperceel	2023	4-7-2023	30	SOC	41		714426	
002	001-BLO	Hoekperceel	2023	4-7-2023	30	SOC	51		714483	
003	001-REF	Reference	2023	4-7-2023	30	REF	57		714466	
004	001-REF	Reference	2023	4-7-2023	30	REF	49		714479	
005	001-BLO	Hoekperceel	2010	01-01-2010		AGB		1.941		
006	001-BLO	Hoekperceel	2017	01-01-2017		AGB		0.389		
007	001-BLO	Hoekperceel	2018	01-01-2018		AGB		0.42		
009	001-BLO	Hoekperceel	2019	01-01-2019		AGB		0		
010	001-BLO	Hoekperceel	2020	01-01-2020		AGB		2.27		
011		#N/A	1899							
012		#N/A	1899							
013		#N/A	1899							
014		#N/A	1899							
015		#N/A	1899							

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



Sources									
value	**source**	**URL**	Notes						
CEDA aboveground biomass carbon	https://climatee	https://datacedaa	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 carbor	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