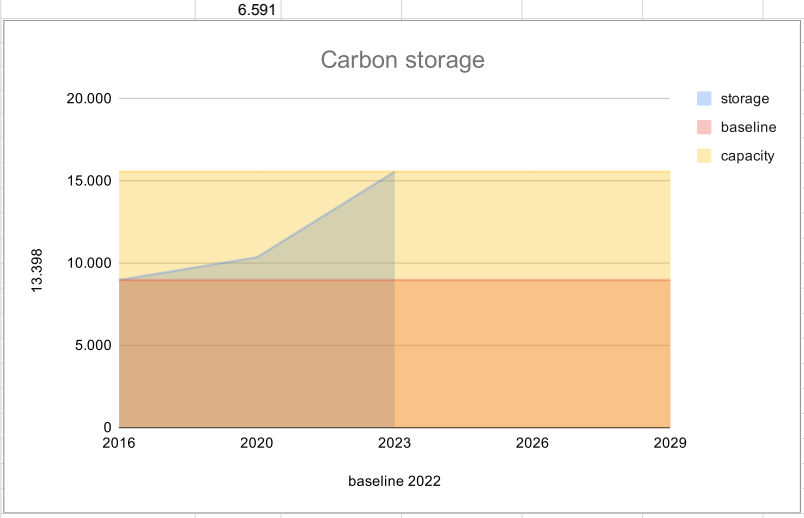
General information			
Remover name	Erwin Westers		
Project code	HOR-L-001		
Project name	Horaholm		
Location	Hornhuizen, NL		
Area	55,00	ha	
Duration	100	years	estimated permanence of removal and storage
Holding pool	0%		freed up when measurements confirm projection pathways
Project emissions	20%		LCA estimate, or specified when >20%
Per hectare			
Baseline TEC	163	tCO2/ha	SOC carbon
Target TEC	283	tCO2/ha	Using CEDA and Soil sample data
Storage	120	tCO2/ha	Storage -/- baseline
Per project			
Measured storage	6.591	tCO2	storage per ha x area
LCA emissions	1.318	tCO2	project related emissions
Net storage	5.273	tCO2	project storage -/- emissions over 20 years
Removal credits issued			
Credits issued dd 15-8-2023	5.273	credits	

Field Code	Field name	Size (ha)	Owner
001-Hor	Horaholm 1	55	Erwin Westers
001-R	Reference		

#	Field code	Field	Year	Date	Sample depth	SOC/AGB/REF	Carbon (g/kg)	AGB (tCO2/ha)	AGB (tBiomass/ha)	Sample/report nr.	report link	Sample done by	Notes
002	001-Hor	Horaholm 1	2016	25-3-2016	30	SOC	9,75						
003	001-Hor	Horaholm 1	2020	31-1-2020	30	SOC	11,25						
004	001-Hor	Horaholm 1	2021	27-1-2021	30	SOC	16,5						
005	001-Hor	Horaholm 1	2023	1-1-2023	30	SOC	18,5						
006	001-Hor	Horaholm 1	2016	31-10-2016		AGB		24,794	13,8				
007	001-Hor	Horaholm 1	2020	31-10-2020		AGB		24,794	13,8				
009	001-Hor	Horaholm 1	2023	31-10-2023		AGB		24,794	13,8				
010		#N/A	1899										
011		#N/A	1899										
012		#N/A	1899										
013		#N/A	1899										
014		#N/A	1899										
015		#N/A	1899										
		#N/A	1899										

Carbon Calculation for		HOR-L-001								
Surface	55	ha	Fields tab							
Capacity Reference SOC	18,50	SOC g/kg	References tab							
Capacity Reference AGB	0,00	tCO2e/ha	References tab							
	2016		2020		2023		2026		2029	
Measurement average	9,75	SOC g/kg	11,25	SOC g/kg	18,50	SOC g/kg	#DIV/0!	SOC g/kg	#DIV/0!	SOC g/kg
Sample depth	30	cm	30	cm	30	cm	#DIV/0!	cm	#DIV/0!	cm
Calculation depth	30	cm	30	cm	30	cm	30	cm	30	cm
Soil density	1,52	g/cm3	1,52	g/cm3	1,39	g/cm3	#DIV/0!	g/cm3	#DIV/0!	g/cm3
SOC (soil carbon) / ha	163	tCO2e/ha	188	tCO2e/ha	283	tCO2e/ha	#DIV/0!	tCO2e/ha	#DIV/0!	tCO2e/ha
AGB (above ground) / ha	24,79	tCO2e/ha	24,79	tCO2e/ha	24,79	tCO2e/ha	#DIV/0!	tCO2e/ha	#DIV/0!	tCO2e/ha
Storage current (excl AGB)	8.966	tCO2e	10.346	tCO2e	15.558	tCO2e	#DIV/0!	tCO2e	#DIV/0!	tCO2e
Storage capacity (excl AGB	15.558	tCO2e	15.558	tCO2e	15.558	tCO2e	15.558	tCO2e	15.558	tCO2e
	6.591									



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)	18,5	C g/kg							
AGB (above ground)	0	tCO2e/ha							
reference coordinates full agroforest									

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