

General information

Remover name	Eelco van Putten		
Project code	VPAL002		
Project name	Goeree Overflakkee		
Location	Stellendam, The Netherlands		
Area	40.40	ha	
Start year	2022		
Duration	20	years	estimated permanence of removal and storage
Holding pool	20%		freed up when measurements confirm projection pathways
Project emissions	20%		LCA estimate, or specified when >20%

Per hectare

Baseline TEC	175	tCO2/ha	Soil Organic Carbon and Above Ground Carbon, following CDM AR-ACM0003
Reference capacity	535	tCO2/ha	Using CEDA and Soil sample data
Storage potential	360	tCO2/ha	Projection +/- baseline

Per project

Projected storage	2,906	tCO2	storage potential per ha x area
LCA emissions	581	tCO2	project related emissions
Net storage potential	2,325	tCO2	project storage +/- emissions over 20 years

Potential units issued

Units first 12 years	1,395	units	12/20 x net storage potential
Holding Pool	279	units	20% of the first 12 years
Potential units issued	1,116	units	

27.62376238

Stellendam &						
Goeree Overflakkee						
Field Code	Field name	Size (ha)	Owner			
VPA-L-001-5	Thuis Links	16.3	Eelco van Putten			
VPA-L-001-6	Thuis Rechts	15.3	Eelco van Putten			
VPA-L-001-7	Leeuwen-v/d Broek	10.9	Eelco van Putten			
VPA-L-001-8	Brooshooft	10.1	Eelco van Putten			
VPA-L-001-7	N3	5.5	Eelco van Putten			
VPA-L-001-8	Hagens thuis	4.7 [1]	Eelco van Putten			
VPA-L-001-9	Hagens Hoge Wurft	9.2	Eelco van Putten			
VPA-L-001-R	Reference		Eelco van Putten			

#	Field code	Field	Year	Date	Sample depth (cm)	SOC/AGB/REF	Carbon %	Size (ha)	AGB (tCO2/ha)	AGB (tBiomass/ha)	Sample/report nr.	Sumproduct	Notes	
005	VPA-L-001-5	Thuis Links	2022	12/1/2022	25	SOC	0.8	16.3			714761/005630168	13.04		
			2025	2/9/2025	25	SOC	1.05	16.3			779031/006764796	17.115		
			2019			AGB		16.3	12.55	6.85		204.5813		
006	VPA-L-001-6	Thuis Rechts	2022	12/1/2022	25	SOC	0.9	15.3			714749/005630168	13.77		
			2025	2/9/2025	25	SOC	0.98	15.3			779007/006764796	14.994		
			2019			AGB		15.3	21.35	11.64		326.58615		
007	VPA-L-001-7	Leeuwen-vid Broek	2022	15/2/2022	25	SOC	1.5	10.9			758133/005657706	16.35		
			2025	2/9/2025	25	SOC	1.58	10.9			779063/006764796	17.222		
			2019			AGB		10.9	14.87	8.11		162.0848167		
008	VPA-L-001-8	Brooshooft	2022	15/2/2022	25	SOC	0.8	10.1			758179/005657706	8.08		
			2025	2/9/2025	25	SOC	0.95	10.9			778985/006764796	10.355		
			2019			AGB		10.1	33.00	18.00		333.3		
009	VPA-L-001-7	N3	2022	15/2/2022	25	SOC	1.1	5.5			758149/005657706	6.05		
			2019			AGB		5.5	0.00	0.00		0		
			2022	15/2/2022	25	SOC	1.2	4.7 [2]			758166/005657706	5.64		
010	VPA-L-001-8	Hagens thuis	2019			AGB		4.7 [3]	0.00	0.00		0		
			2022	15/2/2022	25	SOC	0.9	9.2			758115/005657706	8.28		
			2025	2/9/2025	25	SOC	1.05	10.9			779021/006764796	11.445		
011	VPA-L-001-9	Hagens Hoge Wurft	2019			AGB		9.2	0.00	0.00		0		
			VPA-L-001-R		Reference	2020			REF	1.9	0			

Leeuwen-vid Broek

Genere Overblijfsel Leeuwen-vid Broek.kml

Year	Above Ground Biomass (Mg/ha)	Carbon (Mg/ha)	CO2 Equivalent (Mg/ha)
2010	5.697	2.893	10.389
2017	6.644	4.222	16.487
2018	0.000	0.000	0.000
2019	6.111	4.056	14.870
2020	0.000	0.000	0.000
Average	6.644	3.222	8.148

Brooshooft

VPA0009-5.kml

Year	Above Ground Biomass (Mg/ha)	Carbon (Mg/ha)	CO2 Equivalent (Mg/ha)
2010	16.000	7.200	26.583
2017	33.250	16.625	60.898
2018	0.000	0.000	0.000
2019	16.000	8.000	30.000
2020	0.000	0.000	0.000
Average	19.160	9.936	34.758

N3

N3.kml

Year	Above Ground Biomass (Mg/ha)	Carbon (Mg/ha)	CO2 Equivalent (Mg/ha)
2010	4.600	2.000	7.000
2017	0.000	0.000	0.000
2018	1.000	0.400	2.444
2019	0.000	0.000	0.000
2020	0.000	0.000	0.000
Average	1.047	0.343	1.866

Hagens thuis

Hagens Hoge Wurft

Year	Above Ground Biomass (Mg/ha)	Carbon (Mg/ha)	CO2 Equivalent (Mg/ha)
2010	0.000	0.000	0.000
2017	0.000	0.000	0.000
2018	0.000	0.000	0.000
2019	0.000	0.000	0.000
2020	0.000	0.000	0.000
Average	0.000	0.000	0.000

Hagens Hoge Wurft

VPA0009-5.kml

Year	Above Ground Biomass (Mg/ha)	Carbon (Mg/ha)	CO2 Equivalent (Mg/ha)
2010	12.200	6.100	22.367
2017	5.200	2.600	9.533
2018	7.600	3.800	13.933
2019	0.000	0.000	0.000
2020	0.000	0.000	0.000
Average	5.000	2.500	9.167

Thuis Rechts

Thuis Rechts.kml

Year	Above Ground Biomass (Mg/ha)	Carbon (Mg/ha)	CO2 Equivalent (Mg/ha)
2010	18.214	9.307	33.393
2017	15.286	7.643	28.024
2018	7.214	3.607	13.226
2019	11.643	5.821	21.345
2020	2.857	1.429	5.238
Average	11.043	5.521	20.245

Thuis Links

Thuis Links.kml

Year	Above Ground Biomass (Mg/ha)	Carbon (Mg/ha)	CO2 Equivalent (Mg/ha)
2010	8.077	4.038	14.808
2017	25.692	12.846	47.103
2018	2.846	1.423	5.218
2019	6.846	3.423	12.551
2020	3.231	1.615	5.923
Average	9.338	4.669	17.121

Carbon Calculation for		VPAL002							
Surface	72 ha	Fields tab							
Capacity Reference SOC	1.90 SOC %	References tab							
Capacity Reference AGB	12.55 tCO2e/ha	References tab							
	2022	2025	2028		2031		2034		
Measurement average	0.989 SOC %	1.106 SOC %	#DIV/0!	SOC %	#DIV/0!	SOC %	#DIV/0!	SOC %	
Sample depth	25 cm	25 cm	#DIV/0!	cm	#DIV/0!	cm	#DIV/0!	cm	
Calculation depth	30 cm	30 cm		30 cm		30 cm		30 cm	
Soil density	1.492 g/cm3	1.471 g/cm3	#DIV/0!	g/cm3	#DIV/0!	g/cm3	#DIV/0!	g/cm3	
SOC (soil carbon) / ha	162 tCO2e/ha	179 tCO2e/ha	#DIV/0!	tCO2e/ha	#DIV/0!	tCO2e/ha	#DIV/0!	tCO2e/ha	
AGB (above ground) / ha	12.55 tCO2e/ha	12.55 tCO2e/ha	#DIV/0!	tCO2e/ha	#DIV/0!	tCO2e/ha	#DIV/0!	tCO2e/ha	
Storage current	12,591 tCO2e	13,792 tCO2e	#DIV/0!	tCO2e	#DIV/0!	tCO2e	#DIV/0!	tCO2e	
Storage capacity	21,595 tCO2e	21,595 tCO2e	#N/A	tCO2e	#N/A	tCO2e	#N/A	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									
SOC (soil)	1.9	C g/kg	*this was the recored SOC for vd broekAkker-/tuinbouw v.d. Broek in 2020						
AGB (above ground)	12.55	tCO2e/ha	* no change in AGB						

[1] Conservative Assumption

[2] Conservative Assumption

[3] Conservative Assumption