

General information

Remover name	Eelco van Putten		
Project code	VPAL001		
Project name	Goeree Overflakkee		
Location	Bouwdijk 21A, 3248 LA Melissant, Netherlands		
Area	52.60	ha	
Start year	2021		
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	179	tCO2/ha	Soil Organic Carbon and Above Ground Carbon, following CDM AR-ACM0003
Reference capacity	306	tCO2/ha	Using CEDA and Soil sample data
Storage potential	127	tCO2/ha	Projection +/- baseline

Per project

Projected storage	6,679	tCO2	storage potential per ha x area
LCA emissions	1,336	tCO2	project related emissions
Net storage potential	5,343	tCO2	project storage +/- emissions over 20 years

Potential units issued

Credits first 12 years	3,206	units	12/20 x net storage potential
Holding Pool	641	units	20% of the first 12 years
Credits issued	2,565	units	

Field code	Field	Size (ha)	Owner
VPA-L-001-1	Vroonweg Kardux	8.5	Eelco van Putten
VPA-L-001-2	Achterstee	25.6	Eelco van Putten
VPA-L-001-3	2e Stoofweg R	5.2	Eelco van Putten
VPA-L-001-4	2e Stoofweg L	13.3	Eelco van Putten
VPA-L-001-R	Reference	0	Eelco van Putten

Year	Above Ground Biomass (Mg/ha)	Carbon (Mg/ha)	CO2 Equivalent (Mg/ha)
2010 	0.000	0.000	0.000
2017	9.091	4.545	16.667
2018 	1.636	0.818	3.000
2019 	3.000	1.500	5.500
2020	0.000	0.000	0.000
Average	2.745	1.373	5.033

Carbon Calculation for		VPAL001							
Surface	52.6	ha	Fields tab						
Capacity Reference SOC	1.90	SOC %	References tab						
Capacity Reference AGB	18.89	tCO2e/ha	References tab						
	2021		2025		2028		2031		2034
Measurement average	0.977	SOC %	1.131	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	160	tCO2e/ha	183	tCO2e/ha	#DIV/0!	tCO2e/ha	#DIV/0!	tCO2e/ha	#DIV/0! tCO2e/ha
AGB (above ground) / ha	18.89	tCO2e/ha	18.89	tCO2e/ha	#DIV/0!	tCO2e/ha	#DIV/0!	tCO2e/ha	#DIV/0! tCO2e/ha
Storage current	9,431	tCO2e	10,623	tCO2e	#DIV/0!	tCO2e	#DIV/0!	tCO2e	#DIV/0! tCO2e
Storage capacity	16,110	tCO2e	16,110	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 %	*this was the recored SOC for vd broekAkker-/tuinbouw v.d. Broek in 2020						
AGB (above ground)	18.89	tCO2e/ha	* no change in AGB						

