

General information

Remover name	Eelco van Putten		
Project code	VPAL004		
Project name	Goeree Overflakkee		
Location	Dirksland, The Netherlands		
Area	57.10	ha	
Start year	2024		
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	190	tCO2/ha	Soil Organic Carbon and Above Ground Carbon, following CDM AR-ACM0003
Reference capacity	301	tCO2/ha	Using CEDA and Soil sample data
Storage potential	111	tCO2/ha	Projection +/- baseline

Per project

Projected storage	6,364	tCO2	storage potential per ha x area
LCA emissions	1,273	tCO2	project related emissions
Net storage potential	5,091	tCO2	project storage +/- emissions over 20 years

Potential units issued

Units first 12 years	3,055	units	12/20 x net storage potential
Holding Pool	611	units	20% of the first 12 years
Potential units issued	2,444	units	

42.80210158

Field Code	Field name	Size (ha)	Owner
VPA-L-001-15	Leeuwen links van huis	7.6	Eelco van Putten
VPA-L-001-16	Perceel 1	11.7	Eelco van Putten
VPA-L-001-17	Wit voo Philipshoofjesweg	19	Eelco van Putten
VPA-L-001-18	Diederik	18.8	Eelco van Putten
VPA-L-001-R	Reference		Eelco van Putten

Year	Above Ground Biomass (Mg/ha)	Carbon (Mg/ha)	CO2 Equivalent (Mg/ha)
2010 	8.591	4.295	15.750
2017 	30.545	15.273	56.000
2018 	1.682	0.841	3.083
2019 	4.318	2.159	7.917
2020 	0.000	0.000	0.000
Average	9.027	4.514	16.550

Carbon Calculation for		VPAL004								
Surface	57.1	ha	Fields tab							
Capacity Reference SOC	1.90	SOC %	References tab							
Capacity Reference AGB	13.92	tCO2e/ha	References tab							
	2024		2024		2025		2026		2027	
Measurement average	1.08	SOC %	1.17	SOC g/kg	#DIV/0!	SOC g/kg	#DIV/0!	SOC g/kg	#DIV/0!	SOC g/kg
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
Soil density	1.478	g/cm3	#N/A	g/cm3	#DIV/0!	g/cm3	#DIV/0!	g/cm3	#DIV/0!	g/cm3
SOC (soil carbon) / ha	176	tCO2e/ha	#N/A	tCO2e/ha	#DIV/0!	tCO2e/ha	#DIV/0!	tCO2e/ha	#DIV/0!	tCO2e/ha
AGB (above ground) / ha	13.92	tCO2e/ha	#DIV/0!	tCO2e/ha	#DIV/0!	tCO2e/ha	#DIV/0!	tCO2e/ha	#DIV/0!	tCO2e/ha
Storage current	10,840	tCO2e	#N/A	tCO2e	#DIV/0!	tCO2e	#DIV/0!	tCO2e	#DIV/0!	tCO2e
Storage capacity	17,204	tCO2e	#N/A	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)	13.92	tCO2e/ha	* no change in AGB						

