

General information

Remover name	Stichting Bosnodig		
Project code	FNL-L-004		
Project name	Bosnodig		
Location	Voorst		
Area	2,48	ha	
Duration	100	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	152	tCO2/ha	Above Ground, Below Ground and Soil Organic Carbon, following CDM AR-ACM0003
Reference capacity	331	tCO2/ha	Using CEDA and Soil sample data
Storage potential	179	tCO2/ha	Projection -/- baseline

Per project

Projected storage	445	tCO2	storage potential per ha x area
LCA emissions	89	tCO2	project related emissions
Net storage potential	356	tCO2	project storage -/- emissions over 20 years

Removal credits issued

Credits first 12 years	214	credits	12/20 x net storage potential
Holding Pool	43	credits	20% of the first 12 years
Credits issued 20-12-2024	171	credits	80% of the first 12 years

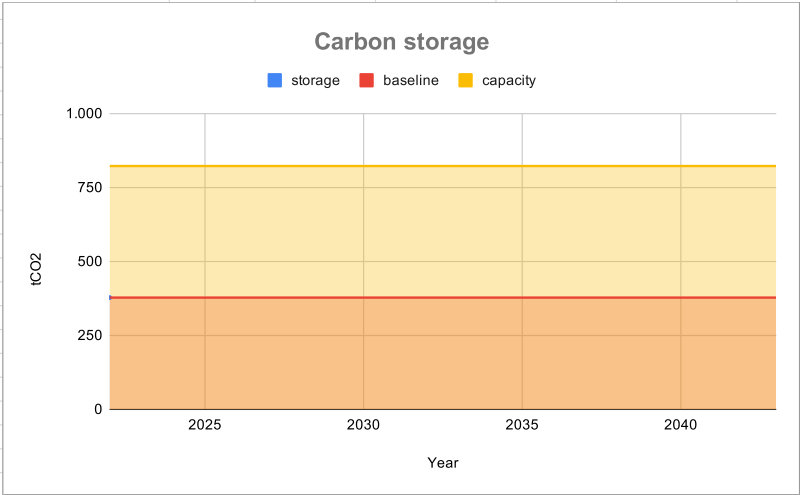
Field Code	Field name	Size (ha)	Owner	Notes
FNL-L-004-1	Voedselbos 1	1,1	Heleen Eshuis	K670
FNL-L-004-2	Voedselbos 2	1,38		K289
FNL-L-004-R	Reference			

#	Field code	Field	Year	Date	Sample depth	SOC/AGB	Carbon (g/kg)	AGB (tCO2/ha)	Sample/report nr.	Notes
001	FNL-L-004-1	Voedselbos 1	2023	15-3-2023	30	SOC	9		626509	
002	FNL-L-004-R	Reference	2023	15-3-2023	30	REF	13		646924	
003	FNL-L-004-1	Voedselbos 1	2020	1-1-2020	-	AGB		3,736		https://oncra.gitlab
004		#N/A	1899							
005		#N/A	1899							
006		#N/A	1899							
007		#N/A	1899							
009		#N/A	1899							
010		#N/A	1899							
011		#N/A	1899							
012		#N/A	1899							
013		#N/A	1899							
014		#N/A	1899							
015		#N/A	1899							

Year	Above Ground Biomass (Mg/ha)	Carbon (Mg/ha)	CO2 Equivalent (Mg/ha)
2010 <input checked="" type="checkbox"/>	2.935	1.468	5.382
2017 <input checked="" type="checkbox"/>	3.064	1.532	5.618
2018 <input checked="" type="checkbox"/>	1.596	0.798	2.926
2019 <input checked="" type="checkbox"/>	2.707	1.354	4.963
2020 <input checked="" type="checkbox"/>	2.038	1.019	3.736
Average	2.468	1.234	4.525

Carbon Calculation for FNL-L-004

Surface	2,48 ha	Fields tab							
Capacity Reference SOC	13,00 SOC g/kg	References tab							
Capacity Reference AGB	125,00 tCO2e/ha	References tab							
	2023		2026		2029		2032		2035
Measurement average	9,00 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	1,499 g/cm3	#DIV/0!	g/cm3	#DIV/0!	g/cm3	#DIV/0!	g/cm3	#DIV/0!	g/cm3
SOC (soil carbon) / ha	148,4 tCO2e/ha	#DIV/0!	tCO2e/ha	#DIV/0!	tCO2e/ha	#DIV/0!	tCO2e/ha	#DIV/0!	tCO2e/ha
AGB (above ground) / ha	3,74 tCO2e/ha	#DIV/0!	tCO2e/ha	#DIV/0!	tCO2e/ha	#DIV/0!	tCO2e/ha	#DIV/0!	tCO2e/ha
Storage current	377 tCO2e	#DIV/0!	tCO2e	#DIV/0!	tCO2e	#DIV/0!	tCO2e	#DIV/0!	tCO2e
Storage capacity	822 tCO2e		822 tCO2e		822 tCO2e		822 tCO2e		822 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)	13,00	gC/kg							
AGB (above ground)	125,00	tCO2e/ha	NMVB, 2023	https://www.voe					
BGB (roots)	not accounted for								

0.825	17	8.5	0.825
0.822	17.1	8.55	0.822
0.819	17.2	8.6	0.819
0.816	17.3	8.65	0.816
0.813	17.4	8.7	0.813
0.81	17.5	8.75	0.81
0.808	17.6	8.8	0.808
0.806	17.7	8.85	0.806
0.804	17.8	8.9	0.804
0.802	17.9	8.95	0.802
0.8	18	9	0.8
0.798	18.1	9.05	0.798
0.796	18.2	9.1	0.796
0.794	18.3	9.15	0.794
0.792	18.4	9.2	0.792
0.79	18.5	9.25	0.79
0.788	18.6	9.3	0.788
0.786	18.7	9.35	0.786
0.784	18.8	9.4	0.784
0.782	18.9	9.45	0.782
0.78	19	9.5	0.78
0.778	19.1	9.55	0.778
0.776	19.2	9.6	0.776
0.774	19.3	9.65	0.774
0.772	19.4	9.7	0.772
0.77	19.5	9.75	0.77
0.768	19.6	9.8	0.768
0.766	19.7	9.85	0.766
0.764	19.8	9.9	0.764
0.762	19.9	9.95	0.762
0.76	20	10	0.76
0.758	20.1	10.05	0.758
0.756	20.2	10.1	0.756
0.754	20.3	10.15	0.754
0.752	20.4	10.2	0.752
0.75	20.5	10.25	0.75
0.748	20.6	10.3	0.748
0.746	20.7	10.35	0.746
0.744	20.8	10.4	0.744
0.742	20.9	10.45	0.742
0.74	21	10.5	0.74
0.738	21.1	10.55	0.738
0.736	21.2	10.6	0.736
0.734	21.3	10.65	0.734
0.732	21.4	10.7	0.732
0.73	21.5	10.75	0.73
0.728	21.6	10.8	0.728
0.726	21.7	10.85	0.726
0.724	21.8	10.9	0.724
0.722	21.9	10.95	0.722
0.72	22	11	0.72
0.718	22.1	11.05	0.718
0.716	22.2	11.1	0.716
0.714	22.3	11.15	0.714
0.712	22.4	11.2	0.712
0.71	22.5	11.25	0.71
0.709	22.6	11.3	0.709
0.708	22.7	11.35	0.708
0.707	22.8	11.4	0.707
0.706	22.9	11.45	0.706
0.705	23	11.5	0.705
0.704	23.1	11.55	0.704
0.703	23.2	11.6	0.703
0.702	23.3	11.65	0.702
0.701	23.4	11.7	0.701
0.7	23.5	11.75	0.7
0.699	23.6	11.8	0.699
0.698	23.7	11.85	0.698
0.697	23.8	11.9	0.697
0.696	23.9	11.95	0.696
0.695	24	12	0.695
0.694	24.1	12.05	0.694
0.693	24.2	12.1	0.693
0.692	24.3	12.15	0.692
0.691	24.4	12.2	0.691
0.69	24.5	12.25	0.69
0.688	24.6	12.3	0.688
0.686	24.7	12.35	0.686
0.684	24.8	12.4	0.684
0.682	24.9	12.45	0.682
0.68	25	12.5	0.68
0.678	25.1	12.55	0.678
0.676	25.2	12.6	0.676
0.674	25.3	12.65	0.674
0.672	25.4	12.7	0.672
0.67	25.5	12.75	0.67
0.668	25.6	12.8	0.668
0.666	25.7	12.85	0.666
0.664	25.8	12.9	0.664
0.662	25.9	12.95	0.662
0.66	26	13	0.66
0.658	26.1	13.05	0.658
0.656	26.2	13.1	0.656
0.654	26.3	13.15	0.654
0.652	26.4	13.2	0.652
0.65	26.5	13.25	0.65
0.648	26.6	13.3	0.648
0.647	26.7	13.35	0.647
0.644	26.8	13.4	0.644
0.641	26.9	13.45	0.641
0.638	27	13.5	0.638
0.635	28	14	0.635
0.632	28.2	14.1	0.632
0.629	28.4	14.2	0.629
0.626	28.6	14.3	0.626
0.623	28.8	14.4	0.623
0.62	29	14.5	0.62
0.618	29.2	14.6	0.618
0.616	29.4	14.7	0.616
0.614	29.6	14.8	0.614
0.612	29.8	14.9	0.612
0.61	30	15	0.61
0.608	30.2	15.1	0.608
0.606	30.4	15.2	0.606
0.604	30.6	15.3	0.604
0.602	30.8	15.4	0.602
0.6	31	15.5	0.6
0.598	31.2	15.6	0.598
0.596	31.4	15.7	0.596
0.594	31.6	15.8	0.594
0.592	31.8	15.9	0.592
0.59	32	16	0.59
0.588	32.2	16.1	0.588
0.586	32.4	16.2	0.586
0.584	32.6	16.3	0.584
0.582	32.8	16.4	0.582
0.58	33	16.5	0.58
0.578	33.2	16.6	0.578
0.576	33.4	16.7	0.576
0.574	33.6	16.8	0.574
0.572	33.8	16.9	0.572
0.57	34	17	0.57
0.568	34.2	17.1	0.568
0.566	34.4	17.2	0.566
0.564	34.6	17.3	0.564
0.562	34.8	17.4	0.562
0.56	35	17.5	0.56
0.558	35.2	17.6	0.558
0.556	35.4	17.7	0.556
0.554	35.6	17.8	0.554
0.552	35.8	17.9	0.552
0.55	36	18	0.55
0.548	36.2	18.1	0.548
0.546	36.4	18.2	0.546
0.544	36.6	18.3	0.544
0.542	36.8	18.4	0.542
0.54	37	18.5	0.54
0.538	37.2	18.6	0.538
0.536	37.4	18.7	0.536
0.534	37.6	18.8	0.534
0.532	37.8	18.9	0.532
0.53	38	19	0.53
0.528	38.2	19.1	0.528
0.526	38.4	19.2	0.526
0.524	38.6	19.3	0.524
0.522	38.8	19.4	0.522
0.52	39	19.5	0.52
0.518	39.2	19.6	0.518
0.516	39.4	19.7	0.516
0.514	39.6	19.8	0.514
0.512	39.8	19.9	0.512
0.51	40	20	0.51
0.508	40.2	20.1	0.508
0.506	40.4	20.2	0.506
0.504	40.6	20.3	0.504
0.502	40.8	20.4	0.502
0.5	41	20.5	0.5
0.499	41.2	20.6	0.499

0498	41.4	20.7	0.498
0497	41.5	20.8	0.497
0496	41.8	20.9	0.496
0495	42	21	0.495
0494	42.2	21.1	0.494
0493	42.4	21.2	0.493
0492	42.6	21.3	0.492
0491	42.8	21.4	0.491
0490	43	21.5	0.490
0488	43.2	21.6	0.488
0486	43.4	21.7	0.486
0484	43.6	21.8	0.484
0482	43.8	21.9	0.482
048	44	22	0.48
0478	44.2	22.1	0.478
0476	44.4	22.2	0.476
0474	44.6	22.3	0.474
0472	44.8	22.4	0.472
047	45	22.5	0.47
0469	45.2	22.6	0.469
0468	45.4	22.7	0.468
0467	45.6	22.8	0.467
0466	45.8	22.9	0.466
0465	46	23	0.465
0464	46.2	23.1	0.464
0463	46.4	23.2	0.463
0462	46.6	23.3	0.462
0461	46.8	23.4	0.461
046	47	23.5	0.46
0458	47.2	23.6	0.458
0456	47.4	23.7	0.456
0454	47.6	23.8	0.454
0452	47.8	23.9	0.452
045	48	24	0.45
0448	48.2	24.1	0.448
0446	48.4	24.2	0.446
0444	48.6	24.3	0.444
0442	48.8	24.4	0.442
044	49	24.5	0.44

