

**General information**

|                   |                                    |       |                                                        |
|-------------------|------------------------------------|-------|--------------------------------------------------------|
| Remover name      | Eelco van Putten                   |       |                                                        |
| Project code      | VPAL006                            |       |                                                        |
| Project name      | Werkendam                          |       |                                                        |
| Location          | Hoge Polderweg 3 4251 NX Werkendam |       |                                                        |
| Area              | 83.00                              | 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       | 235 | tCO2/ha | Soil Organic Carbon and Above Ground Carbon, following CDM AR-ACM0003 |
| Reference capacity | 254 | tCO2/ha | Using CEDA and Soil sample data                                       |
| Storage potential  | 19  | tCO2/ha | Projection -/- baseline                                               |

**Per project**

|                       |       |      |                                             |
|-----------------------|-------|------|---------------------------------------------|
| Projected storage     | 1,586 | tCO2 | storage potential per ha x area             |
| LCA emissions         | 317   | tCO2 | project related emissions                   |
| Net storage potential | 1,269 | tCO2 | project storage -/- emissions over 20 years |

**Potential units issued**

|                        |     |       |                               |
|------------------------|-----|-------|-------------------------------|
| Units first 12 years   | 761 | units | 12/20 x net storage potential |
| Holding Pool           | 152 | units | 20% of the first 12 years     |
| Potential units issued | 609 | units |                               |

7.337349398

| Field Code  | Field name | Size (ha) | Owner            |
|-------------|------------|-----------|------------------|
| VPA-L-005-3 | Parceel 3  | 13.1      | Eelco van Putten |
| VPA-L-005-4 | Parceel 4  | 8         | Eelco van Putten |
| VPA-L-005-5 | Parceel 5  | 7.5       | Eelco van Putten |
| VPA-L-005-6 | Parceel 6  | 14        | Eelco van Putten |
| VPA-L-005-7 | Parceel 7  | 10.9      | Eelco van Putten |
| VPA-L-005-8 | Parceel 8  | 12.6      | Eelco van Putten |
| VPA-L-005-9 | Parceel 9  | 16.9      | Eelco van Putten |
| VPA-L-005-R | Reference  | Parceel 3 |                  |

| #                                                                                      | Field code                   | Field          | Year                   | Date                                                                                   | Sample depth (cm)            | SOC/AGB/REF    | Carbon SOC %           | Size (ha)                                                                              | AGB (tCO2/ha)                | AGB (tBiomass/ha) | Sample/report nr.      | Sumproduct                                                                               | Notes                        |                |                        |
|----------------------------------------------------------------------------------------|------------------------------|----------------|------------------------|----------------------------------------------------------------------------------------|------------------------------|----------------|------------------------|----------------------------------------------------------------------------------------|------------------------------|-------------------|------------------------|------------------------------------------------------------------------------------------|------------------------------|----------------|------------------------|
| 003                                                                                    | VPA-L-005-3                  | Parcel 3       | 2024                   | 6/3/2024                                                                               | 25                           | SOC            | 1.64                   | 13.1                                                                                   |                              |                   | 750689/006288903       | 21.48                                                                                    |                              |                |                        |
|                                                                                        |                              |                | 2018                   |                                                                                        |                              | AGB            |                        | 13.1                                                                                   | 37.388125                    | 20.375            |                        |                                                                                          |                              |                |                        |
| 004                                                                                    | VPA-L-005-4                  | Parcel 4       | 2024                   | 6/3/2024                                                                               | 25                           | SOC            | 1.55                   | 8                                                                                      |                              |                   | 750690/006288903       | 12.40                                                                                    |                              |                |                        |
|                                                                                        |                              |                | 2018                   |                                                                                        |                              | AGB            |                        | 8                                                                                      | 0                            | 0                 |                        |                                                                                          |                              |                |                        |
| 005                                                                                    | VPA-L-005-5                  | Parcel 5       | 2024                   | 6/3/2024                                                                               | 25                           | SOC            | 1.56                   | 7.5                                                                                    |                              |                   | 750692/006288903       | 11.70                                                                                    |                              |                |                        |
|                                                                                        |                              |                | 2018                   |                                                                                        |                              | AGB            |                        | 7.5                                                                                    | 0                            | 0                 |                        |                                                                                          |                              |                |                        |
| 006                                                                                    | VPA-L-005-6                  | Parcel 6       | 2024                   | 6/3/2024                                                                               | 25                           | SOC            | 1.42                   | 14                                                                                     |                              |                   | 750668/006288903       | 19.88                                                                                    |                              |                |                        |
|                                                                                        |                              |                | 2018                   |                                                                                        |                              | AGB            |                        | 14                                                                                     | 0                            | 0                 |                        |                                                                                          |                              |                |                        |
| 007                                                                                    | VPA-L-005-7                  | Parcel 7       | 2024                   | 6/3/2024                                                                               | 25                           | SOC            | 1.48                   | 10.9                                                                                   |                              |                   | 750691/006288903       | 16.13                                                                                    |                              |                |                        |
|                                                                                        |                              |                | 2018                   |                                                                                        |                              | AGB            |                        | 10.9                                                                                   | 2.097405                     | 1.143             |                        |                                                                                          |                              |                |                        |
| 008                                                                                    | VPA-L-005-8                  | Parcel 8       | 2024                   | 6/3/2024                                                                               | 25                           | SOC            | 1.39                   | 12.6                                                                                   |                              |                   | 750798/006288903       | 17.51                                                                                    |                              |                |                        |
|                                                                                        |                              |                | 2018                   |                                                                                        |                              | AGB            |                        | 12.6                                                                                   | 1.2845                       | 0.7               |                        |                                                                                          |                              |                |                        |
| 009                                                                                    | VPA-L-005-9                  | Parcel 9       | 2024                   | 6/3/2024                                                                               | 25                           | SOC            | 1.49                   | 16.9                                                                                   |                              |                   | 750711/006288903       | 25.18                                                                                    |                              |                |                        |
|                                                                                        |                              |                | 2018                   |                                                                                        |                              | AGB            |                        | 16.9                                                                                   | 1.209265                     | 0.659             |                        | 20.44                                                                                    |                              |                |                        |
|                                                                                        | VPA-L-005-R                  | Parcel 3       | 2024                   | 6/3/2024                                                                               | 25                           | REF            | 1.64                   |                                                                                        |                              |                   | 750689/006288903       | 21.48                                                                                    |                              |                |                        |
|                                                                                        | VPA-L-005-3                  |                |                        |                                                                                        | VPA-L-005-4                  |                |                        | VPA-L-005-5                                                                            |                              | VPA-L-005-6       |                        |                                                                                          |                              |                |                        |
|                                                                                        | Parcel 3 km2                 |                |                        |                                                                                        | Parcel 4 km2                 |                |                        | Parcel 5 km2                                                                           |                              | Parcel 6 km2      |                        |                                                                                          |                              |                |                        |
| Year                                                                                   | Above Ground Biomass (Mg/ha) | Carbon (Mg/ha) | CO2 Equivalent (Mg/ha) | Year                                                                                   | Above Ground Biomass (Mg/ha) | Carbon (Mg/ha) | CO2 Equivalent (Mg/ha) | Year                                                                                   | Above Ground Biomass (Mg/ha) | Carbon (Mg/ha)    | CO2 Equivalent (Mg/ha) | Year                                                                                     | Above Ground Biomass (Mg/ha) | Carbon (Mg/ha) | CO2 Equivalent (Mg/ha) |
| 2010  | 2.500                        | 1.350          | 4.583                  | 2010  | 0.000                        | 0.000          | 0.000                  | 2010  | 0.000                        | 0.000             | 0.000                  | 2010    | 0.889                        | 0.444          | 1.630                  |
| 2017  | 0.000                        | 0.000          | 0.000                  | 2017  | 13.000                       | 6.500          | 23.833                 | 2017  | 0.000                        | 0.000             | 0.000                  | 2017    | 0.444                        | 0.222          | 0.815                  |
| 2018  | 30.375                       | 10.188         | 37.354                 | 2018  | 0.000                        | 0.000          | 0.000                  | 2018  | 0.000                        | 0.000             | 0.000                  | 2018    | 0.000                        | 0.000          | 0.000                  |
| 2019  | 0.000                        | 0.000          | 0.000                  | 2019  | 0.000                        | 0.000          | 0.000                  | 2019  | 0.000                        | 0.000             | 0.000                  | 2019    | 0.000                        | 0.000          | 0.000                  |
| 2020  | 0.000                        | 0.000          | 0.000                  | 2020  | 0.000                        | 0.000          | 0.000                  | 2020  | 0.000                        | 0.000             | 0.000                  | 2020    | 0.000                        | 0.000          | 0.000                  |
| Average                                                                                | 4.5175                       | 2.288          | 8.388                  | Average                                                                                | 2.600                        | 1.300          | 4.767                  | Average                                                                                | 0.000                        | 0.000             | 0.000                  | Average                                                                                  | 0.267                        | 0.133          | 0.489                  |
|                                                                                        | VPA-L-005-7                  |                |                        |                                                                                        | VPA-L-005-8                  |                |                        | VPA-L-005-9                                                                            |                              |                   |                        |                                                                                          |                              |                |                        |
|                                                                                        | Parcel 7 km2                 |                |                        |                                                                                        | Parcel 8 km2                 |                |                        | Parcel 9 km2                                                                           |                              |                   |                        |                                                                                          |                              |                |                        |
| Year                                                                                   | Above Ground Biomass (Mg/ha) | Carbon (Mg/ha) | CO2 Equivalent (Mg/ha) | Year                                                                                   | Above Ground Biomass (Mg/ha) | Carbon (Mg/ha) | CO2 Equivalent (Mg/ha) | Year                                                                                   | Above Ground Biomass (Mg/ha) | Carbon (Mg/ha)    | CO2 Equivalent (Mg/ha) | Year                                                                                     | Above Ground Biomass (Mg/ha) | Carbon (Mg/ha) | CO2 Equivalent (Mg/ha) |
| 2010  | 4.857                        | 2.429          | 8.505                  | 2010  | 1.300                        | 0.650          | 2.383                  | 2010  | 2.143                        | 1.071             | 3.929                  | 2010  | 1.671                        | 0.786          | 2.881                  |
| 2017  | 0.000                        | 0.000          | 0.000                  | 2017  | 4.200                        | 2.100          | 7.700                  | 2017  | 0.000                        | 0.000             | 0.000                  | 2017  | 2.871                        | 1.344          | 4.714                  |
| 2018  | 1143                         | 0.571          | 2.086                  | 2018  | 0.700                        | 0.350          | 1.183                  | 2018  | 0.000                        | 0.000             | 0.000                  | 2018  | 0.000                        | 0.000          | 0.000                  |
| 2019  | 0.000                        | 0.000          | 0.000                  | 2019  | 0.200                        | 0.100          | 0.367                  | 2019  | 0.000                        | 0.000             | 0.000                  | 2019  | 0.000                        | 0.000          | 0.000                  |
| 2020  | 0.000                        | 0.000          | 0.000                  | 2020  | 0.000                        | 0.000          | 0.000                  | 2020  | 0.000                        | 0.000             | 0.000                  | 2020  | 0.000                        | 0.000          | 0.000                  |
| Average                                                                                | 1.200                        | 0.600          | 2.200                  | Average                                                                                | 1.280                        | 0.640          | 2.347                  | Average                                                                                | 1.257                        | 0.629             | 2.305                  |                                                                                          |                              |                |                        |

| Carbon Calculation for  |             | VPAL006  |                |         |          |         |          |         |          |         |          |
|-------------------------|-------------|----------|----------------|---------|----------|---------|----------|---------|----------|---------|----------|
| Surface                 | 83          | ha       | Fields tab     |         |          |         |          |         |          |         |          |
| Capacity Reference SOC  | 1.64        | SOC %    | References tab |         |          |         |          |         |          |         |          |
| Capacity Reference AGB  | 0.49        | tCO2e/ha | References tab |         |          |         |          |         |          |         |          |
|                         |             |          |                |         |          |         |          |         |          |         |          |
|                         | 2024        |          |                | 2026    |          | 2028    |          | 2031    |          | 2034    |          |
| Measurement average     | 1.497481928 | SOC %    |                | #DIV/0! | SOC g/kg | #DIV/0! | SOC g/kg | #DIV/0! | SOC g/kg | #DIV/0! | SOC g/kg |
| Sample depth            | 25          | 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            | 1.426       | g/cm3    |                | #DIV/0! | g/cm3    | #DIV/0! | g/cm3    | #DIV/0! | g/cm3    | #DIV/0! | g/cm3    |
| SOC (soil carbon) / ha  | 235         | tCO2e/ha |                | #DIV/0! | tCO2e/ha | #DIV/0! | tCO2e/ha | #DIV/0! | tCO2e/ha | #DIV/0! | tCO2e/ha |
| AGB (above ground) / ha | 0.49        | tCO2e/ha |                | #DIV/0! | tCO2e/ha | #DIV/0! | tCO2e/ha | #DIV/0! | tCO2e/ha | #DIV/0! | tCO2e/ha |
| Storage current         | 19,537      | tCO2e    |                | #DIV/0! | tCO2e    | #DIV/0! | tCO2e    | #DIV/0! | tCO2e    | #DIV/0! | tCO2e    |
| Storage capacity        | 21,123      | tCO2e    |                | #N/A    | tCO2e    | #N/A    | tCO2e    | #N/A    | tCO2e    | #N/A    | tCO2e    |

|                                    |                                                                                                                                  |                                                   |                                                                      |  |  |  |  |  |  |
|------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|----------------------------------------------------------------------|--|--|--|--|--|--|
| <b>Sources</b>                     |                                                                                                                                  |                                                   |                                                                      |  |  |  |  |  |  |
| <b>value</b>                       | <b>source</b>                                                                                                                    | <b>URL</b>                                        | <b>Notes</b>                                                         |  |  |  |  |  |  |
| CEDA aboveground biomass carbon    | <a href="https://climatee">https://climatee</a>                                                                                  | <a href="https://dataceda">https://dataceda</a>   | 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                                                                                                                    | <a href="https://edepot.wu">https://edepot.wu</a> | We've added these soil density levels to the calculation factors tab |  |  |  |  |  |  |
| <b>Reference data for capacity</b> |                                                                                                                                  |                                                   |                                                                      |  |  |  |  |  |  |
| SOC (soil)                         | 1.64                                                                                                                             | C g/kg                                            | * perceel 10 taken as reference                                      |  |  |  |  |  |  |
| AGB (above ground)                 | 0                                                                                                                                | tCO2e/ha                                          | * no change in AGB                                                   |  |  |  |  |  |  |







