



# VITALENS Report

14/09/2024

## 1. Secenario Configuration:

- Population Scenario: Current state - 2024
- Small Business Scenario: Current state - 2024

## 2. Measures configuration:

- Closed Small wells: False
- Closed Natura 2000 Wells: False
- Imported Water from WAZ Getelo, NVB Nordhorn and Haaksbergen False
- Water demand per capita: 135 L/d

## 3. Wells Configuration:

The table below illustrates the Water extraction configuration for each wells location:

Water Extraction and Cost Overview												
Name	Maximum permit	Balance area	Active	Current	Extraction	New	Extraction	CO2_m3	OPEX	CAPEX	PCT	Change
0 Archemerbrook	4.00	Reggeland	True	2.89 Mm³/yr	2.89 Mm³/yr	0.011300	0 M€	0 M€	0.000000			
1 Espelosebroek	4.50	Hof v Twente	True	3.69 Mm³/yr	3.69 Mm³/yr	0.028700	1 M€	0 M€	0.000000			
2 Goor/Herikerberg	5.30	Hof v Twente	True	4.95 Mm³/yr	4.95 Mm³/yr	0.030800	1 M€	0 M€	0.000000			
3 Hammerfluit	5.00	Reggeland	True	1.57 Mm³/yr	1.57 Mm³/yr	0.134100	1 M€	0 M€	0.000000			
4 Hasselo	0.69	Stedenband	True	0.52 Mm³/yr	0.52 Mm³/yr	0.080500	0 M€	0 M€	0.000000			
5 Hoge Hexel	2.50	Reggeland	True	2.47 Mm³/yr	2.47 Mm³/yr	0.024200	0 M€	0 M€	0.000000			
6 Holten	2.50	Hof v Twente	True	2.48 Mm³/yr	2.48 Mm³/yr	0.032400	1 M€	0 M€	0.000000			
7 Manderveen-Heide	3.00	Dinkelband	True	2.94 Mm³/yr	2.94 Mm³/yr	0.025300	1 M€	0 M€	0.000000			
8 Nijverdal	6.00	Reggeland	True	5.98 Mm³/yr	5.98 Mm³/yr	0.011700	1 M€	0 M€	0.000000			
9 Rodenmors	1.50	Dinkelband	True	1.40 Mm³/yr	1.40 Mm³/yr	0.120300	1 M€	0 M€	0.000000			
10 Losser	2.40	Stedenband	True	1.46 Mm³/yr	1.46 Mm³/yr	0.064000	0 M€	0 M€	0.000000			
11 Weerselo	1.00	Dinkelband	True	0.94 Mm³/yr	0.94 Mm³/yr	0.024000	0 M€	0 M€	0.000000			
12 Wierden	8.00	Reggeland	True	7.80 Mm³/yr	7.80 Mm³/yr	0.036000	2 M€	0 M€	0.000000			

4. Indicators Report:

- Total Supply: 39.09
- Total Demand: 42.57108517500001
- Leverenszekerheid 100.0%
- OPEX 7.962713999999999 M/yr
- CAPEX 0.0 M/yr
- CO2 emission cost 1.3931109999999998 M/yr
- Drought Damage cost 3.2937510000000003 M/yr
- Natura200 affected area 12.587750061560001 Ha

The table below illustrates the Water extraction configuration for each wells location:

Water extraction per location

