

VITALENS Report

24/09/2024

1. Scenario 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
- Using Industrial water permits excess: False

3. Wells Configuration:

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

Water Extraction and Cost Overview

Name	Balance area	Active	Current Extraction	New Extraction	Maximum permit	CO2 cost	Draught damage cost	Extraction PCT Change
0 Archemerberg	Reggeland	True	2.89 Mm³/yr	2.89 Mm³/yr	4.00 Mm³/yr	0.03 M€/yr	0.17 M€/yr	0.00%
1 Espelosebroek	Hof v Twente	True	3.69 Mm³/yr	3.69 Mm³/yr	4.50 Mm³/yr	0.11 M€/yr	0.00 M€/yr	0.00%
2 Goor/Herikerberg	Hof v Twente	True	4.95 Mm³/yr	4.95 Mm³/yr	5.30 Mm³/yr	0.15 M€/yr	0.23 M€/yr	0.00%
3 Hammerflief	Reggeland	True	1.57 Mm³/yr	1.57 Mm³/yr	5.00 Mm³/yr	0.21 M€/yr	0.05 M€/yr	0.00%
4 Hasselo	Stedenband	True	0.52 Mm³/yr	0.52 Mm³/yr	0.69 Mm³/yr	0.04 M€/yr	0.01 M€/yr	0.00%
5 Hoge Hexel	Reggeland	True	2.47 Mm³/yr	2.47 Mm³/yr	2.50 Mm³/yr	0.06 M€/yr	0.00 M€/yr	0.00%
6 Holten	Hof v Twente	True	2.48 Mm³/yr	2.48 Mm³/yr	2.50 Mm³/yr	0.08 M€/yr	0.10 M€/yr	0.00%
7 Manderveen-Heide	Dinkelland	True	2.94 Mm³/yr	2.94 Mm³/yr	3.00 Mm³/yr	0.07 M€/yr	0.57 M€/yr	0.00%
8 Nijverdal	Reggeland	True	5.98 Mm³/yr	5.98 Mm³/yr	6.00 Mm³/yr	0.07 M€/yr	0.05 M€/yr	0.00%
9 Rodenmors	Dinkelland	True	1.40 Mm³/yr	1.40 Mm³/yr	1.50 Mm³/yr	0.17 M€/yr	0.08 M€/yr	0.00%
10 Losser	Stedenband	True	1.46 Mm³/yr	1.46 Mm³/yr	2.40 Mm³/yr	0.09 M€/yr	0.54 M€/yr	0.00%
11 Weerselo	Dinkelland	True	0.94 Mm³/yr	0.94 Mm³/yr	1.00 Mm³/yr	0.02 M€/yr	0.15 M€/yr	0.00%
12 Wierden	Reggeland	True	7.80 Mm³/yr	7.80 Mm³/yr	8.00 Mm³/yr	0.28 M€/yr	1.35 M€/yr	0.00%

4. Indicators Report:

- Total Supply: 39.09 Mm³/yr
- Total Demand: 42.57 Mm³/yr
- Leverenszekerheid 91.82%
- OPEX 7.96 M€/yr
- CAPEX 0.00 M€/yr
- CO2 emission cost 1.39 M€/yr
- Drought Damage cost 3.29 M€/yr
- Nature Sensible affected area 1000.95 Ha
- Nature Very Sensible affected area 312.97 Ha

Water extraction per location:

Water extraction per Location

