

Table S1. Calculated piezometric heads of scenario no. 1 with reference to the calculated piezometric heads in the groundwater baseline.

Obs. Well no.	Calculated piezometric heads in the groundwater baseline (masl)	Calculated piezometric heads in the first Scenario (masl)	Drawdown (m)
1	5.8	5.66	0.14
2	14.6	14.15	0.45
3	9.02	8.39	0.61
4	20.8	20.46	0.34
5	25.4	24.92	0.48
6	10.6	9.97	0.63
Average drawdown for Scenario no. 1			0.44

Table S2. Calculated piezometric heads of Scenario no. 2 with reference to the calculated heads in the baseline.

Obs. Well no.	Calculated head in baseline (masl)	Calculated head in Scenario 2 (masl)	Drawdown (m)
1	5.8	3.1	2.7
2	14.69	6.87	7.82
3	9.02	2.08	6.94
4	20.8	13.99	6.81
5	25.46	16.96	8.5
6	10.68	1.63	9.05
Average drawdown for scenario no. 2			6.97

Table S3. Calculated piezometric heads of Scenario no. 3 with reference to calculated heads of baseline.

Obs. Well no.	Calculated piezometric head in baseline (masl)	Calculated piezometric head in Scenario no. 3 (masl)	Water level increase (m)
1	5.80	5.90	0.10
2	14.69	14.81	0.12
3	9.02	9.10	0.08
4	20.80	20.97	0.17
5	25.46	25.65	0.19
6	10.68	10.80	0.12
Average increase in water level for Scenario no. 3			0.13

Table S4. Calculated piezometric heads of Scenario no. 4 with reference to the calculated heads of baseline.

Obs. Well no.	Calculated piezometric heads in baseline (masl)	Calculated piezometric heads in Scenario no. 4 (masl)	Drawdown (m)
1	5.8	5.7	0.1
2	14.69	14.26	0.43
3	9.02	8.44	0.58
4	20.8	20.6	0.2
5	25.46	25.1	0.36
6	10.68	10.1	0.58
Average drawdown in Scenario no. 4			0.37

Table S5. Calculated piezometric heads of scenario no. 5 with reference to calculated heads of the baseline.

Obs. Well no.	Calculated piezometric heads in baseline (masl)	Calculated piezometric heads in Scenario 5 (masl)	Drawdown (m)
1	5.8	3.22	2.58
2	14.69	7.01	7.68
3	9.02	2.17	6.85
4	20.8	14.1	6.7
5	25.46	17.1	8.36
6	10.68	1.75	8.93
Average drawdown for Scenario no. 5			6.85