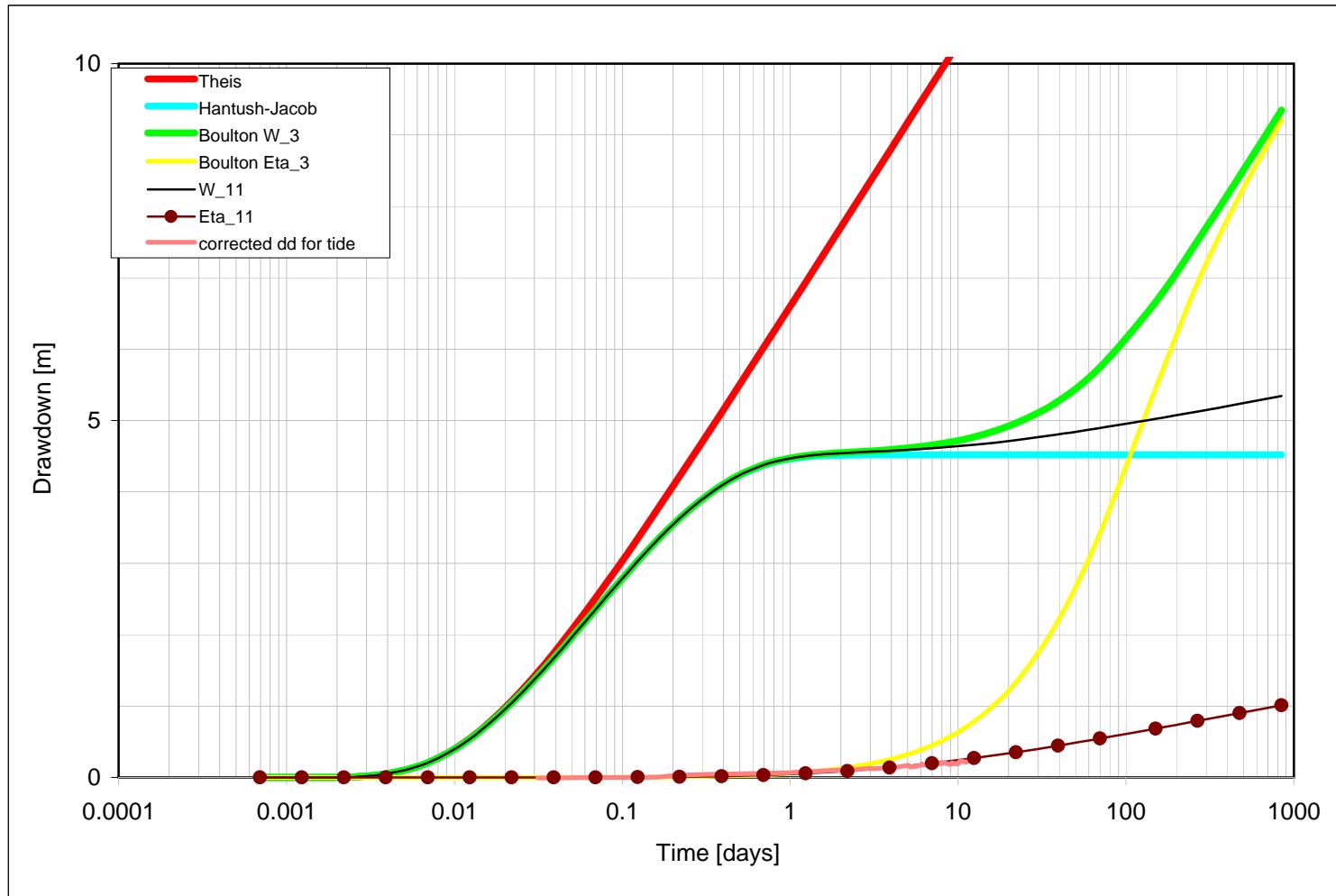


Relative water levels and pump rate during K4 constant rate test

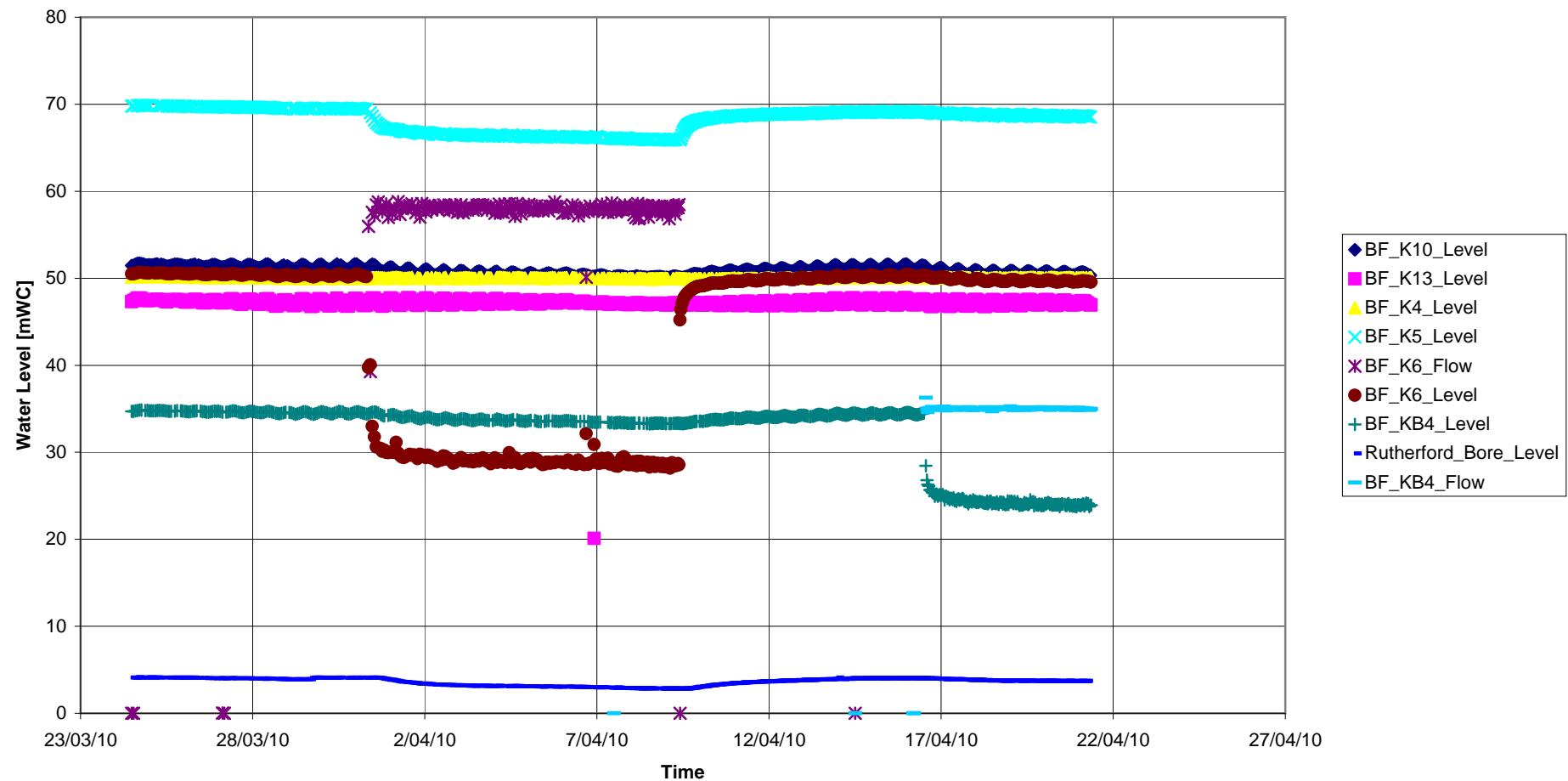
Obs. Well K5 (Shallow)
Pump Well K4
Drawdown Q = 70 l/s

Calculated Parameters

T	300	m^2/d
S	4.00E-05	
K'/B'	9.00E-05	d^{-1}
sigma	0.01	
T0	2200.00	



Simulated Drawdown in Observation Well K5 (shallow)

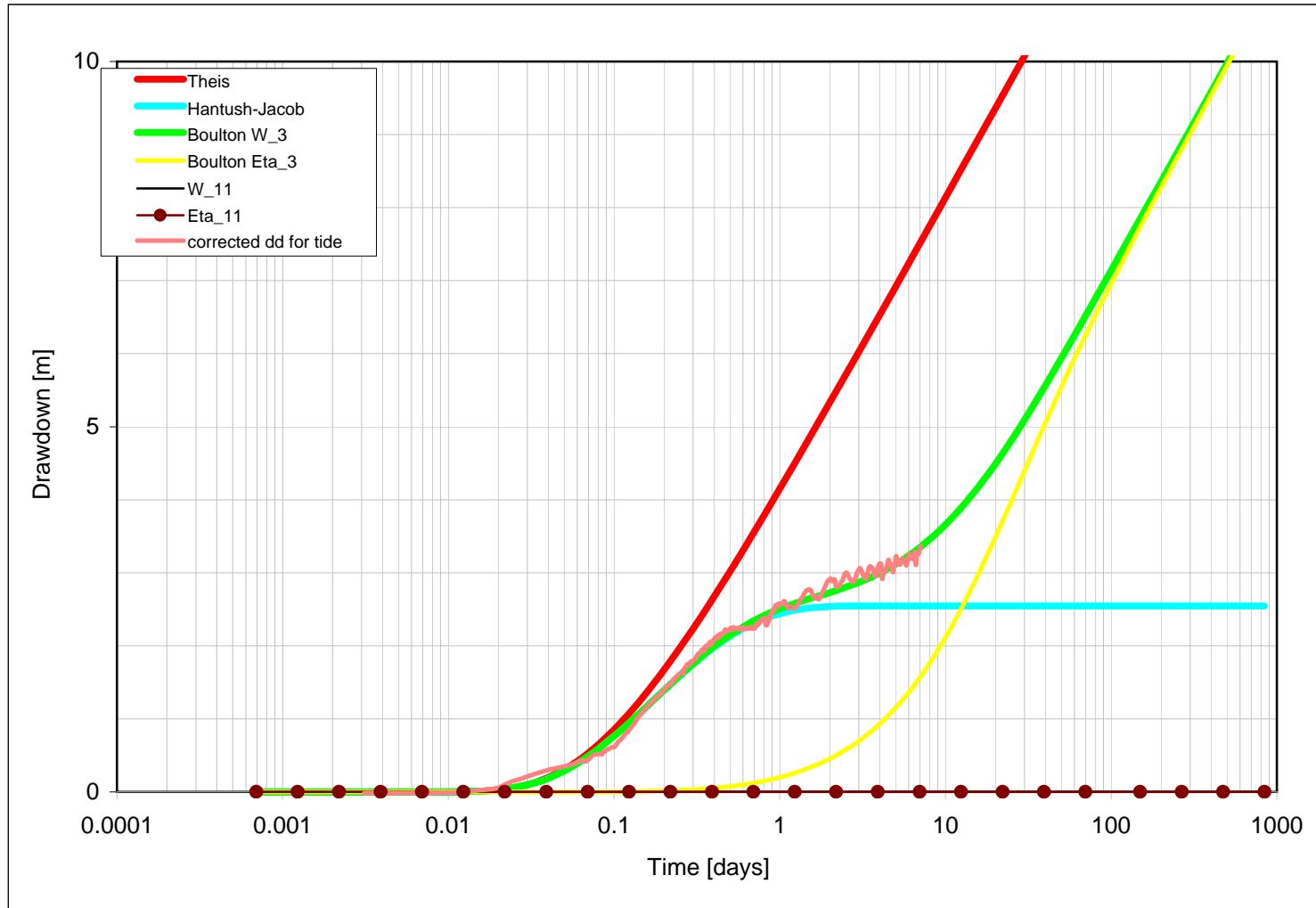


Relative water levels and pump rate during K6 constant rate test

Obs. Well K5
Pump Well K6
Drawdown Q = 58 l/s

Calculated Parameters

T	225	m^2/d
S	6.00E-04	
K'/B'	1.10E-03	d^{-1}
sigma	0.01	
T0		

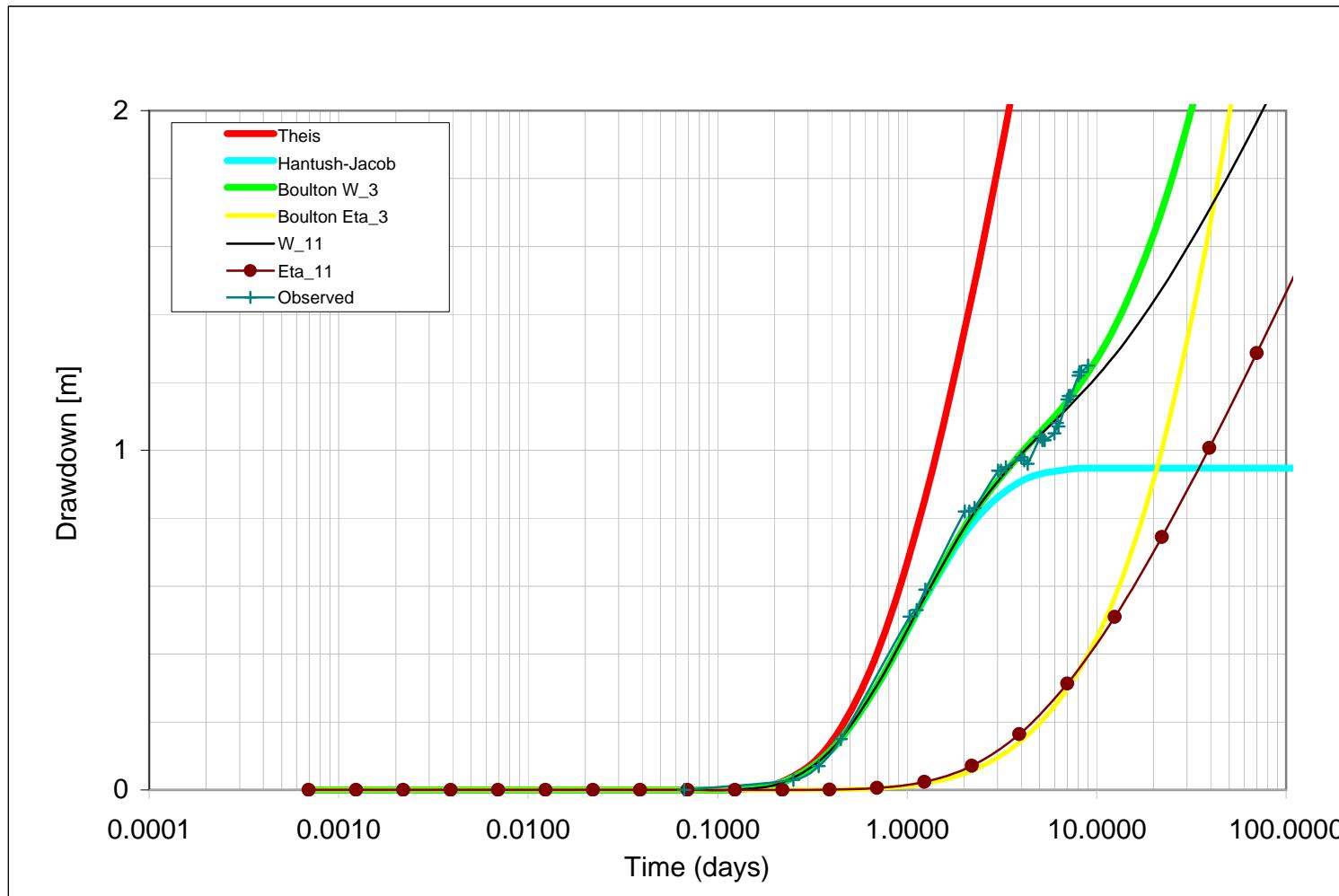


Simulated Drawdown in Observation Well K5

Obs. Well S1
Pump Well K6
Drawdown Q = 58 l/s

Calculated Parameters

T	260	m^2/d
S	5.00E-04	
K'B'	3.00E-04	d^{-1}
sigma	0.01	
T0	500.00	

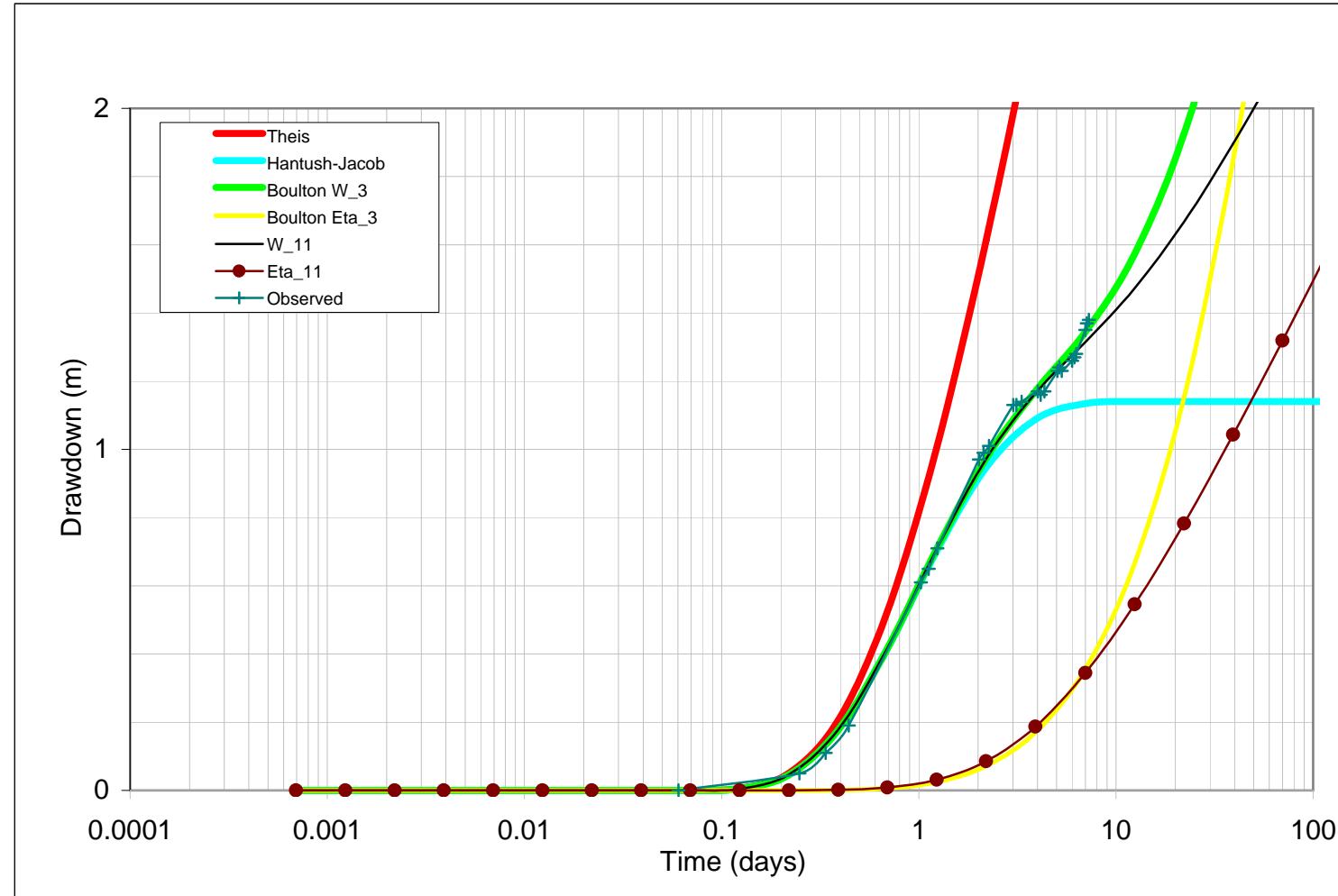


Simulated Drawdown in Observation Well S1

Obs. Well S1
Pump Well K6
Drawdown Q = 58 l/s

Calculated Parameters

T	260	m^2/d
S	5.00E-04	
K'B'	3.00E-04	d^{-1}
sigma	0.01	
T0	500.00	

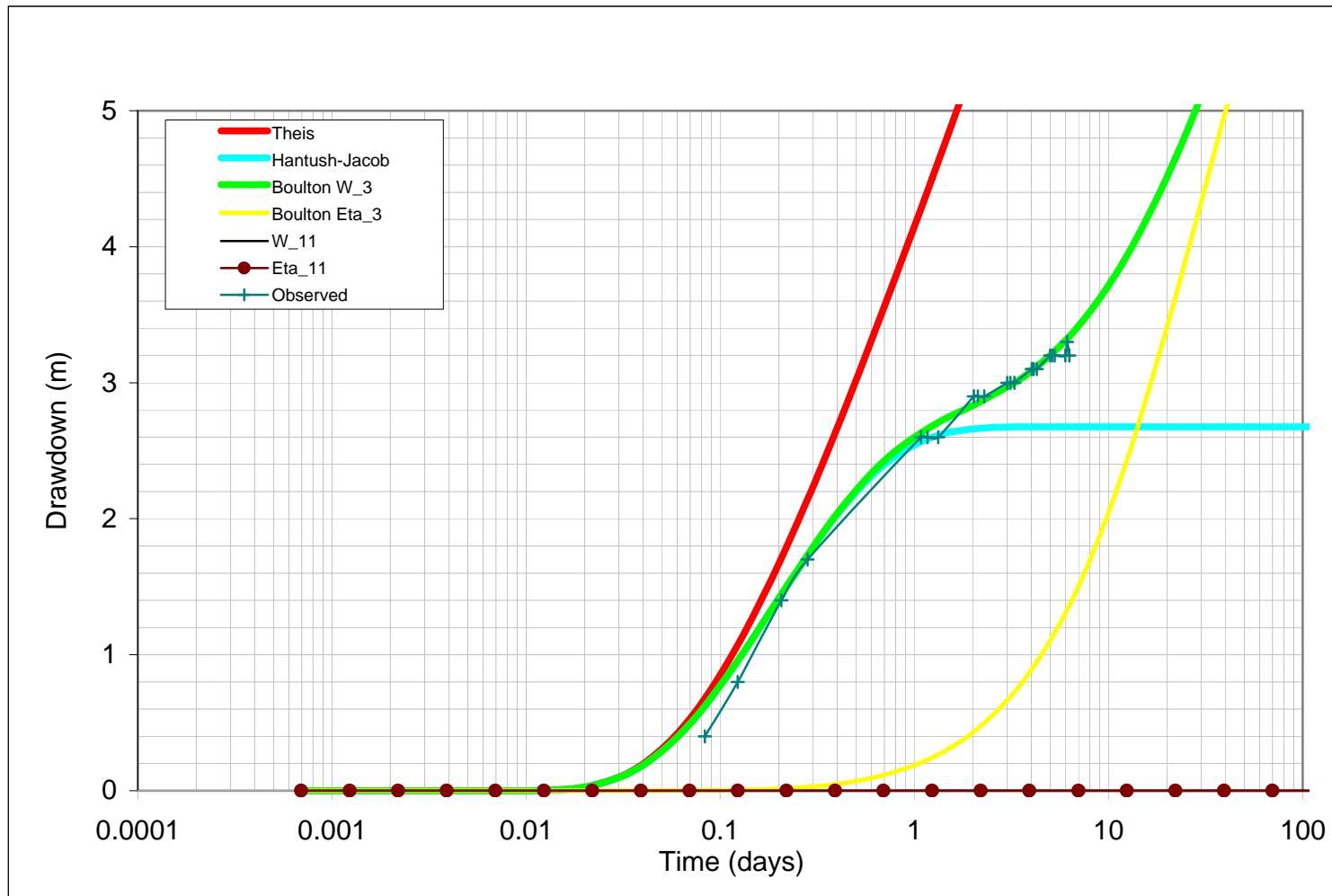


Simulated Drawdown in Observation Well S3

Obs. Well K5
Pump Well K6
Recovery

Calculated Parameters

T	225	m^2/d
S	6.00E-04	
K'/B'	1.00E-03	d^{-1}
sigma	0.01	
T0		

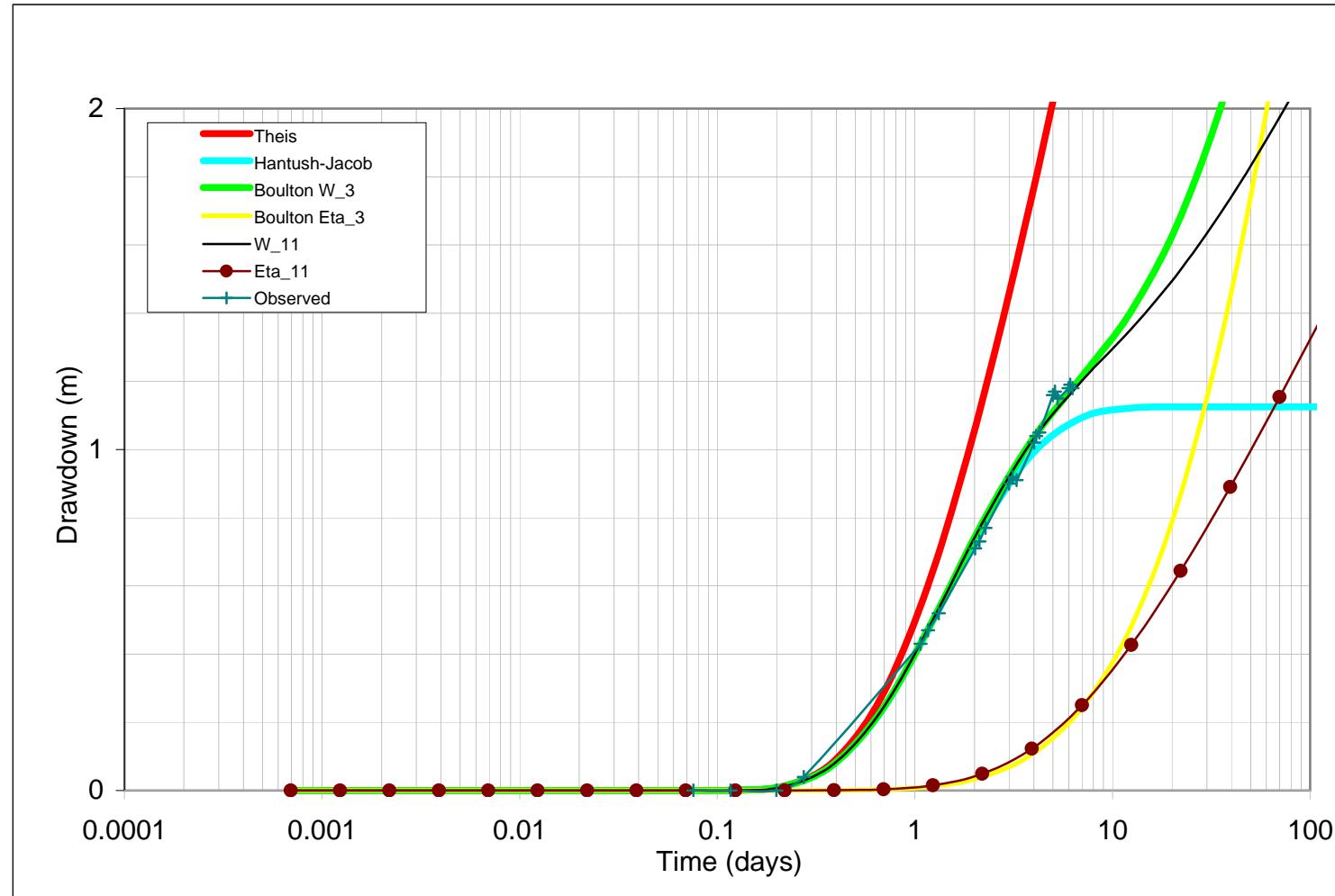


Simulated recovery in Observation Well K5

Obs. Well S1
Pump Well K6
Recovery

Calculated Parameters

T	300	m^2/d
S	6.50E-04	
K'/B'	2.30E-04	d^{-1}
sigma	0.01	
T0	500.00	

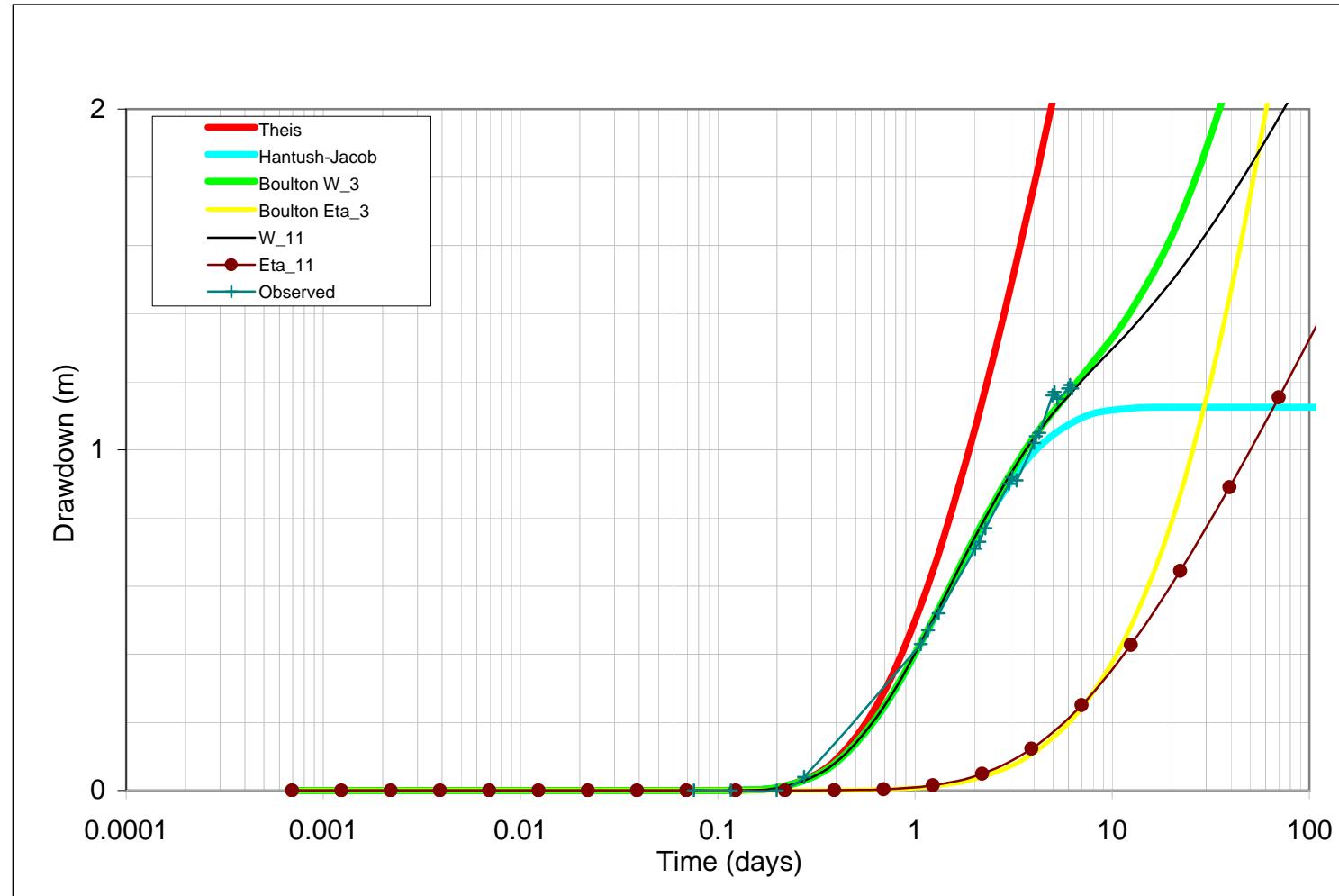


Simulated recovery in Observation Well S1

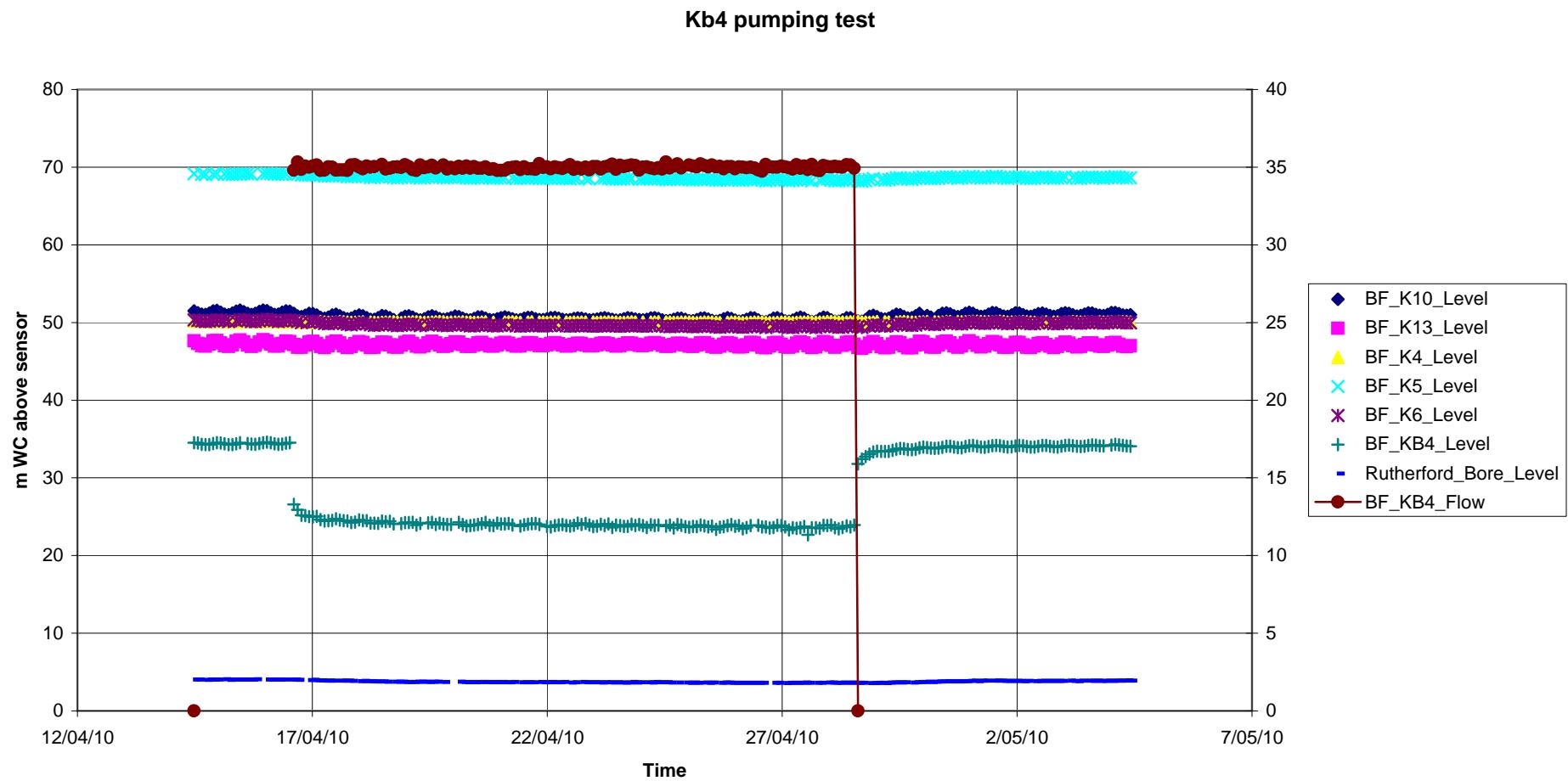
Obs. Well S3
Pump Well K6
Recovery

Calculated Parameters

T	300	m^2/d
S	6.50E-04	
K'B'	2.30E-04	d^{-1}
sigma	0.01	
T0	500.00	



Simulated recovery in Observation Well S3

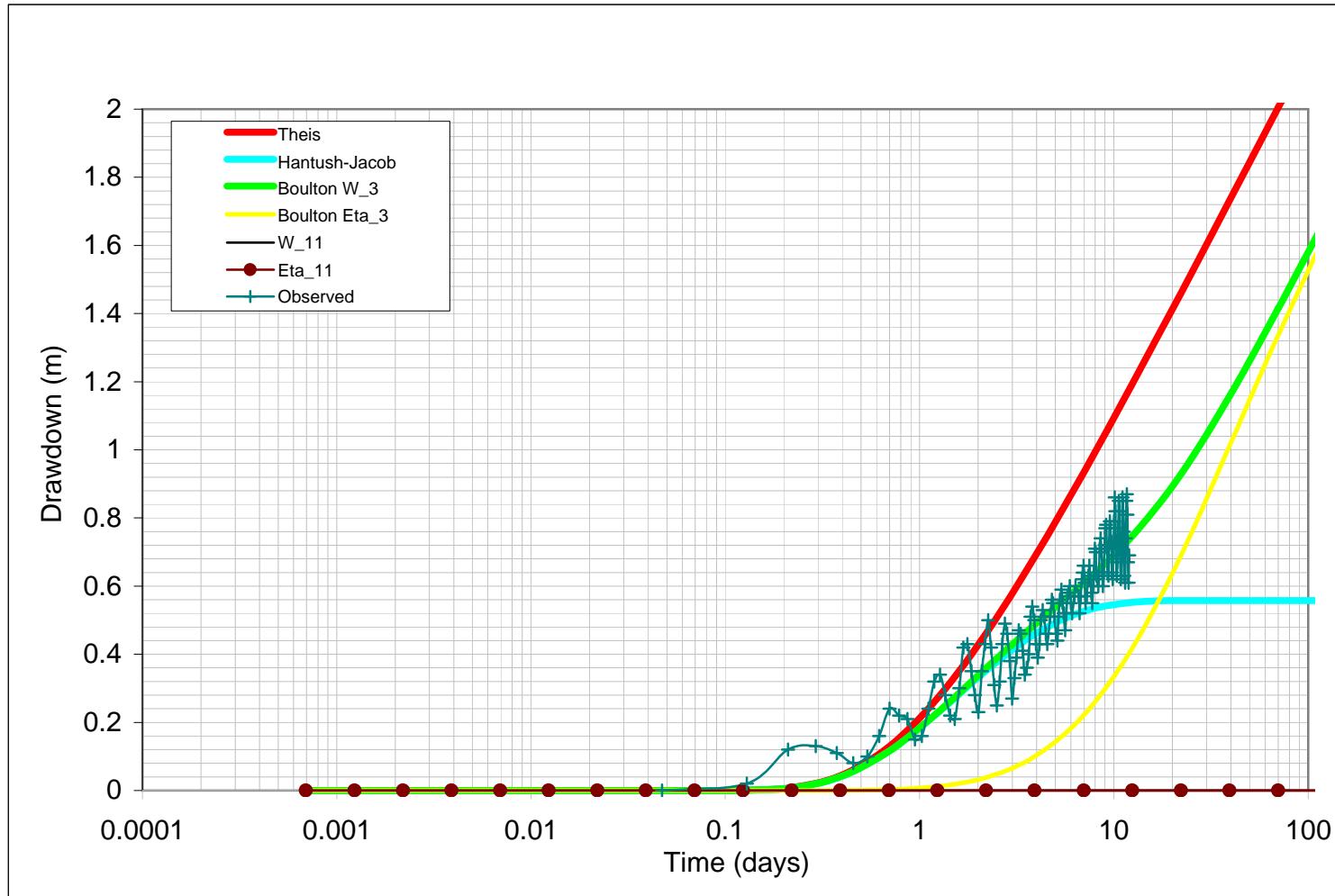


Relative water levels and pump rate during Kb4 constant rate test

Obs. Well K5
Pump Well Kb4
Drawdown Q = 35 l/s

Calculated Parameters

T	500	m^2/d
S	4.00E-04	
K'/B'	1.00E-04	d^{-1}
sigma	0.001	
T0		

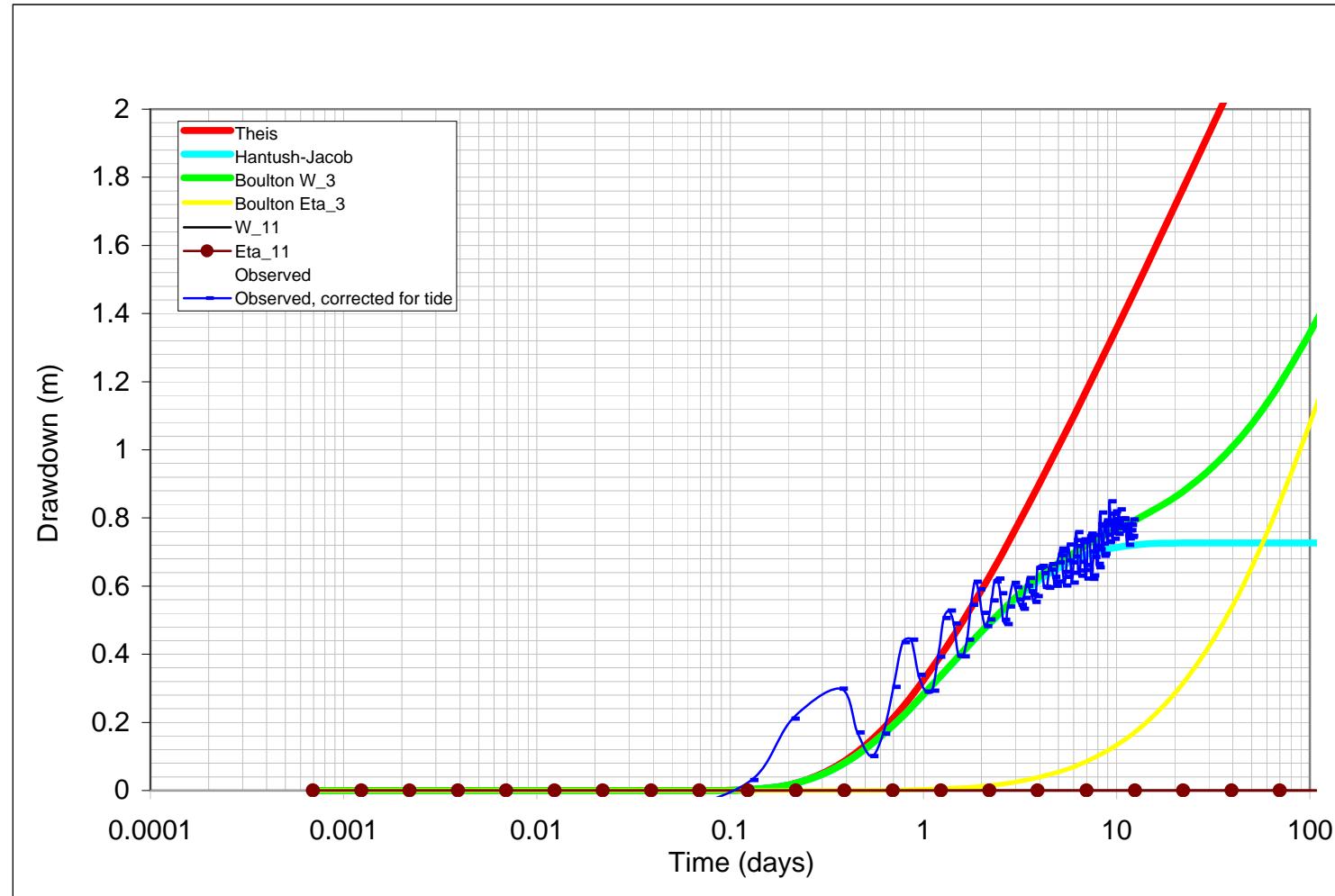


Simulated Drawdown in Observation Well K5

Obs. Well K6
Pump Well Kb4
Drawdown Q = 35 l/s

Calculated Parameters

T	450	m^2/d
S	2.00E-04	
K'/B'	5.00E-05	d^{-1}
sigma	0.002	
T0		

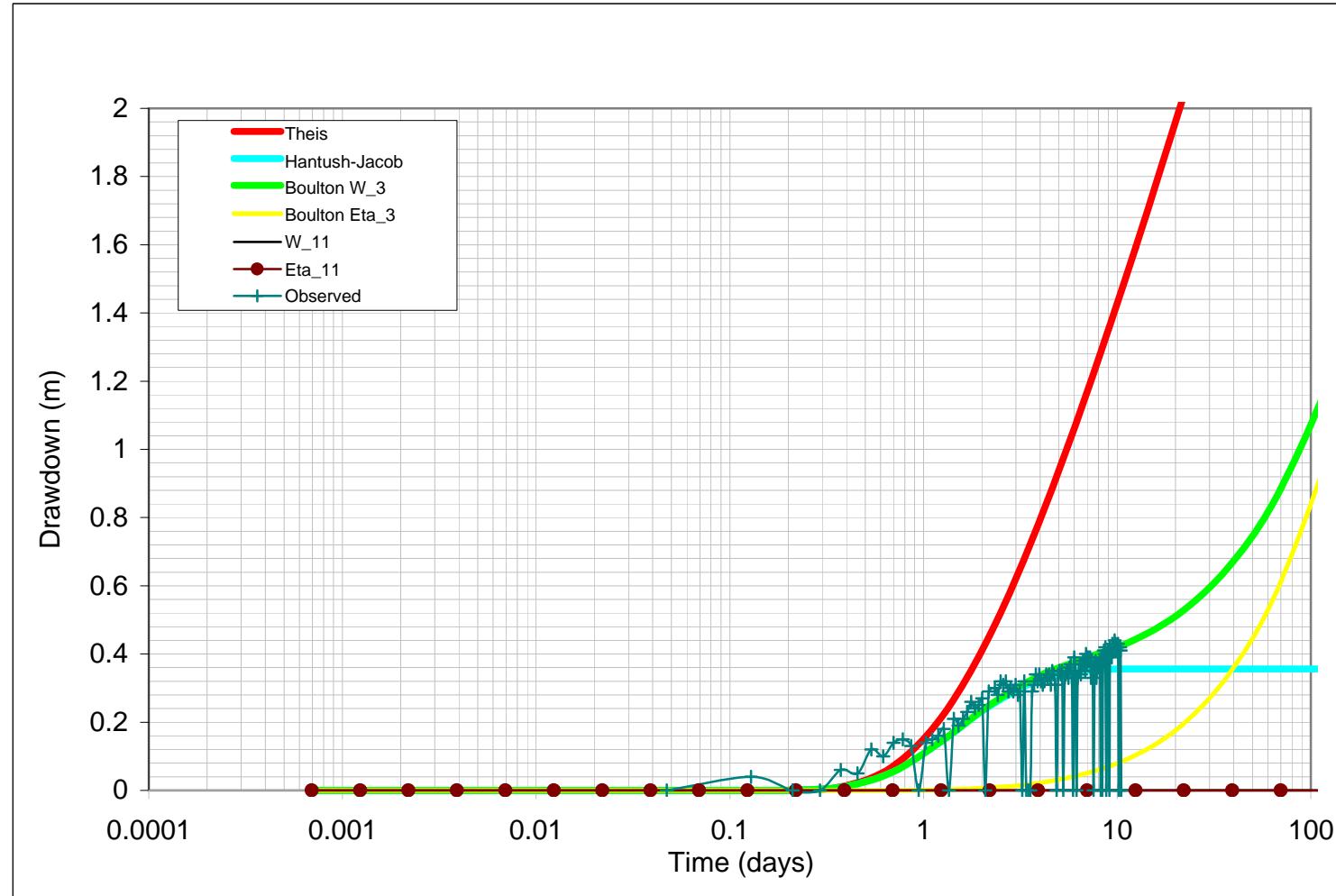


Simulated Drawdown in Observation Well K6

Obs. Well S1
Pump Well Kb4
Drawdown Q = 35 l/s

Calculated Parameters

T	290	m^2/d
S	4.00E-04	
K'/B'	2.00E-04	d^{-1}
sigma	0.01	
T0		

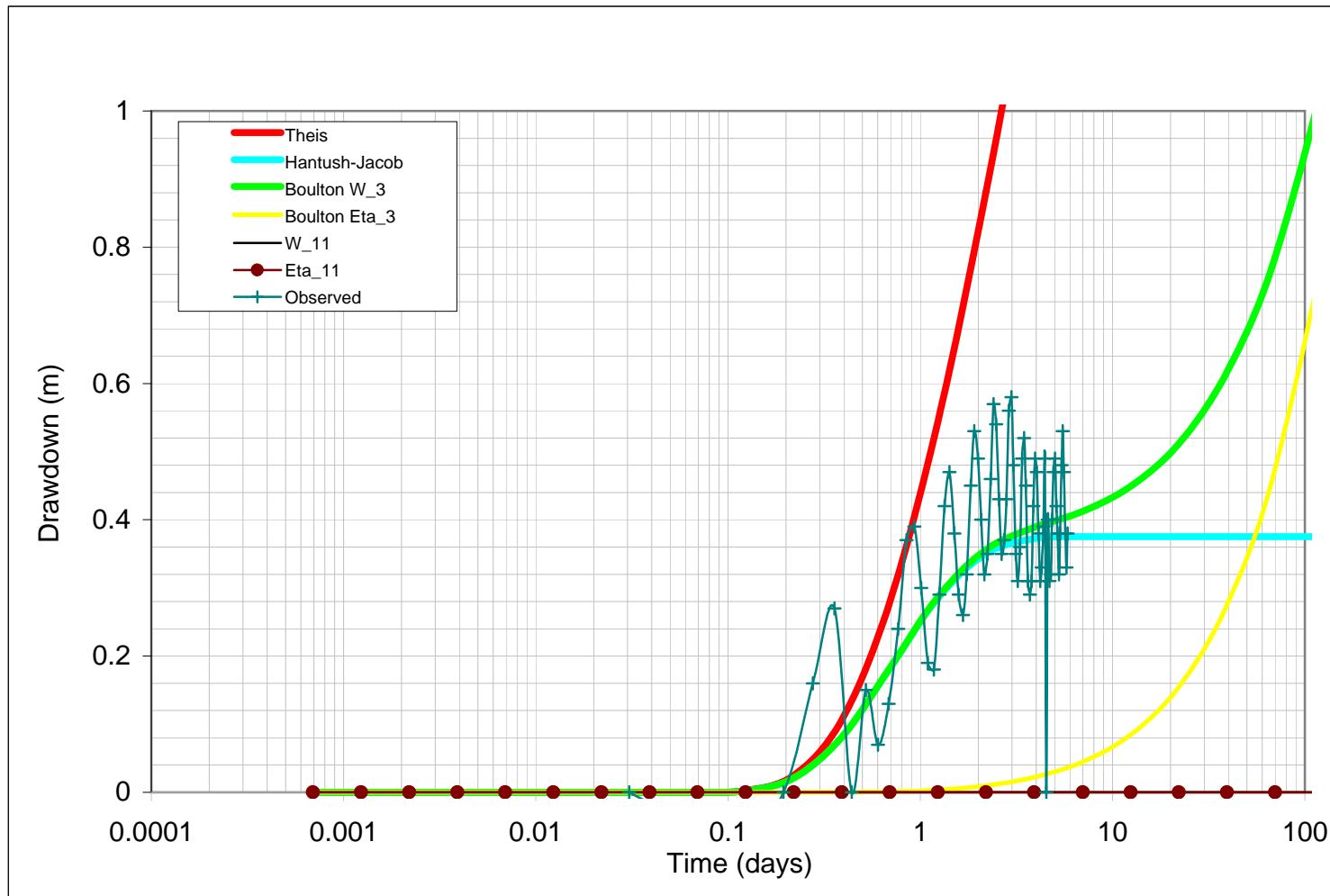


Simulated Drawdown in Observation Well S1

Obs. Well K5
Pump Well Kb4
Recovery

Calculated Parameters

T	300	m^2/d
S	2.00E-04	
K'/B'	2.00E-04	d^{-1}
sigma	0.01	
T0		

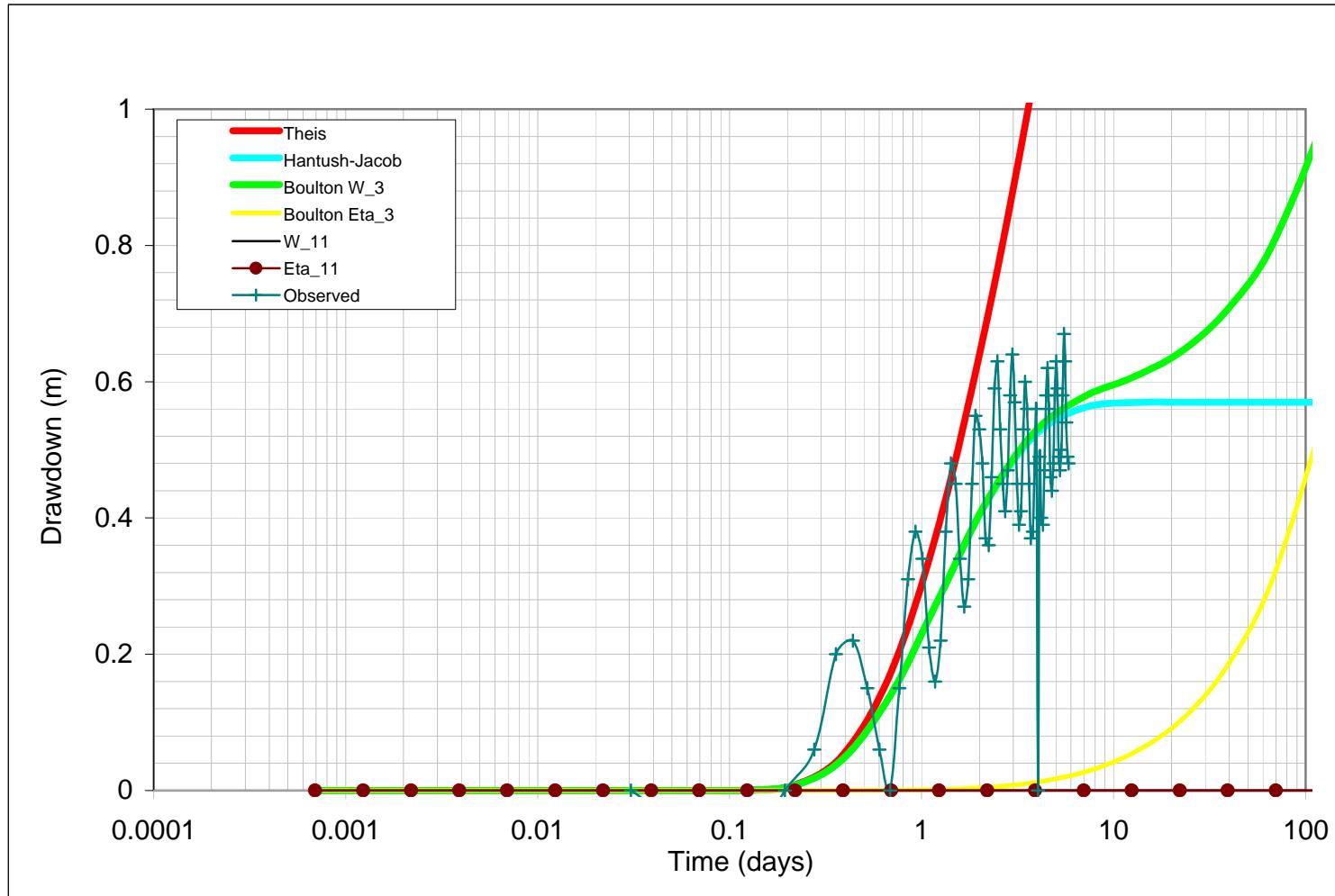


Simulated recovery in Observation Well K5

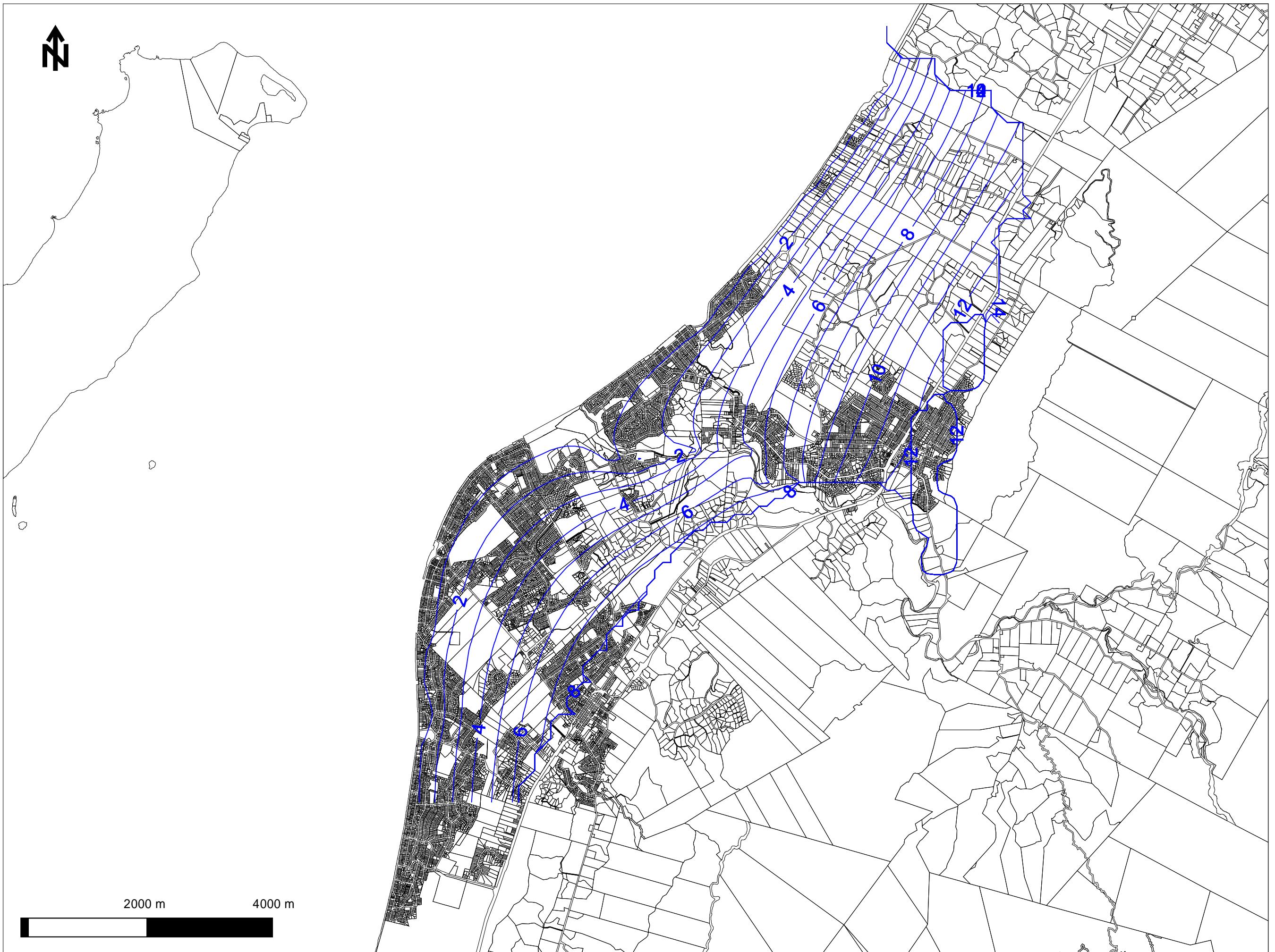
Obs. Well K6
Pump Well Kb4
Recovery

Calculated Parameters

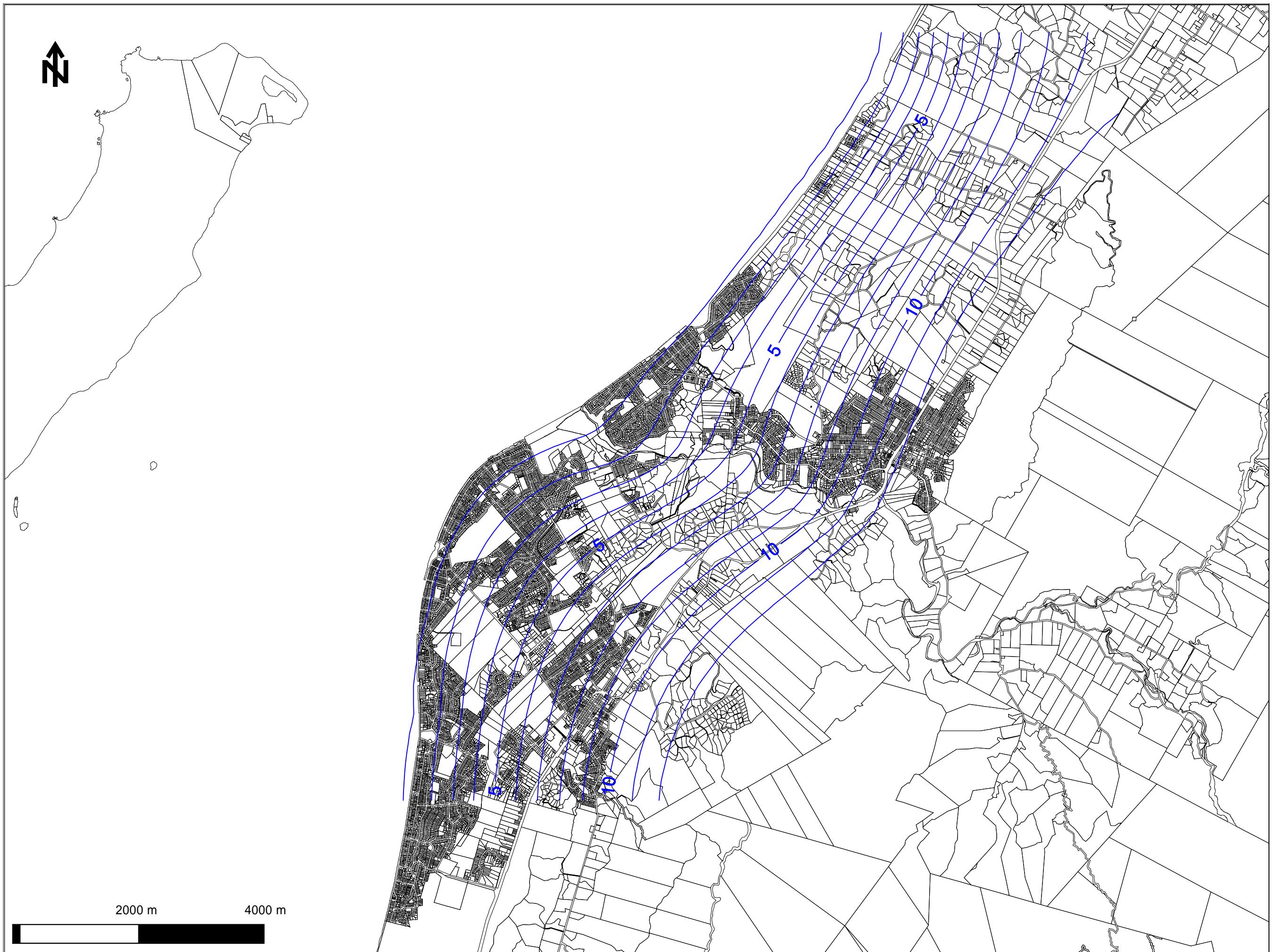
T	300	m^2/d
S	2.00E-04	
K'/B'	9.00E-05	d^{-1}
sigma	0.01	
T0		



Simulated recovery in Observation Well K6



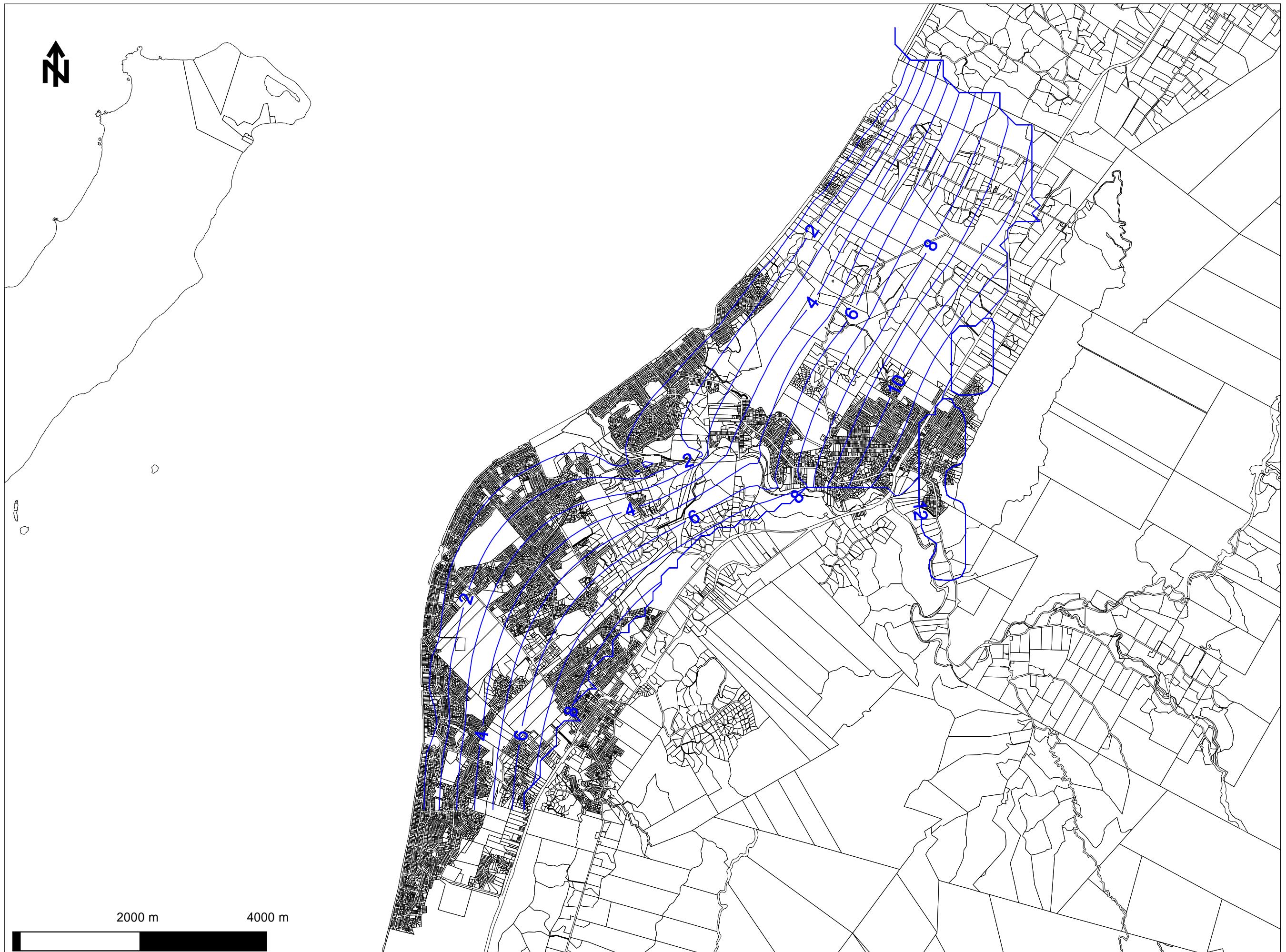
Appendix D1. Groundwater level in shallow unconfined aquifer under steady state conditions.



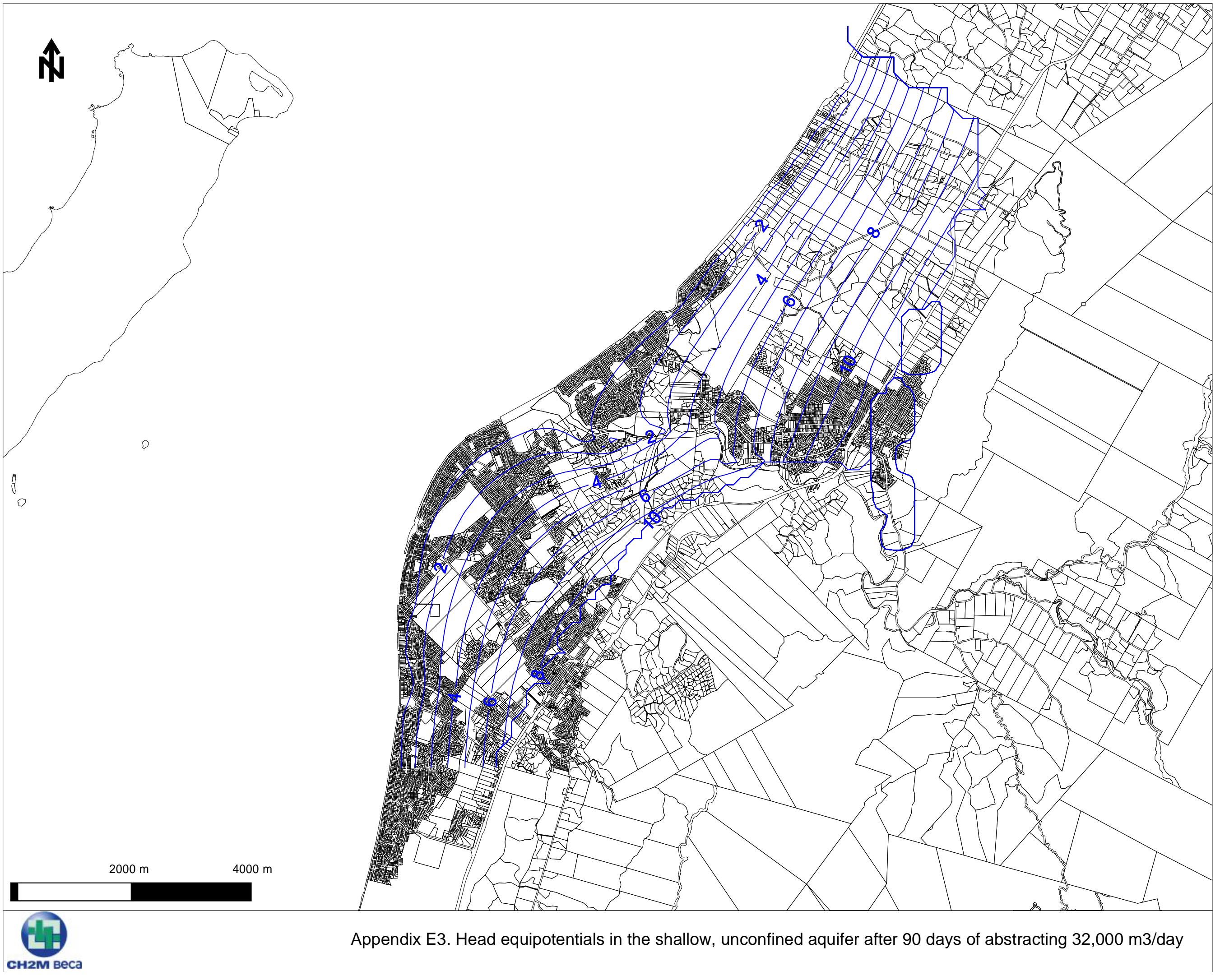
Appendix D2. Groundwater levels in the Waimea aquifer at average steady state conditions



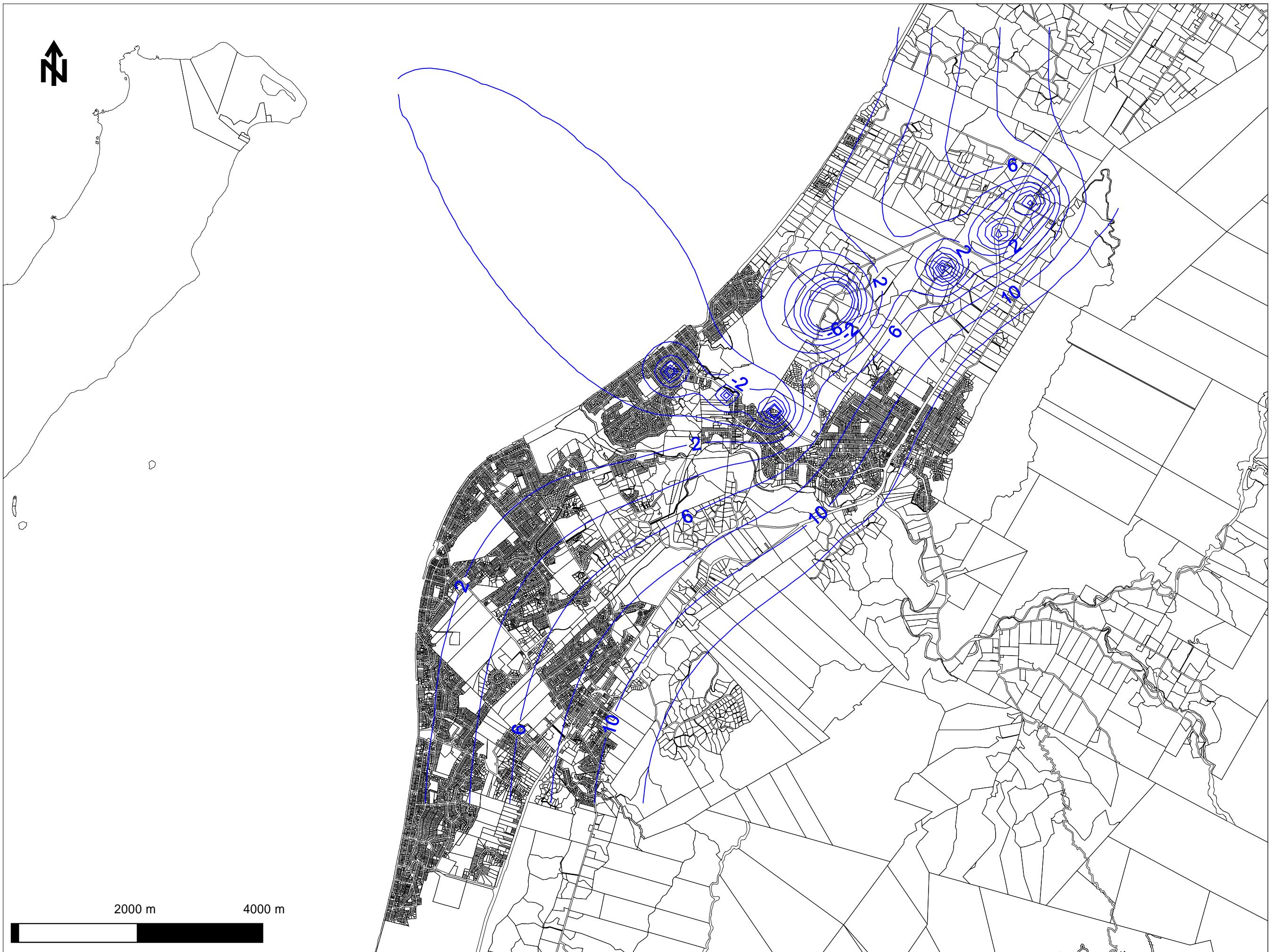
Appendix E1. Well locations for Simulation 1.



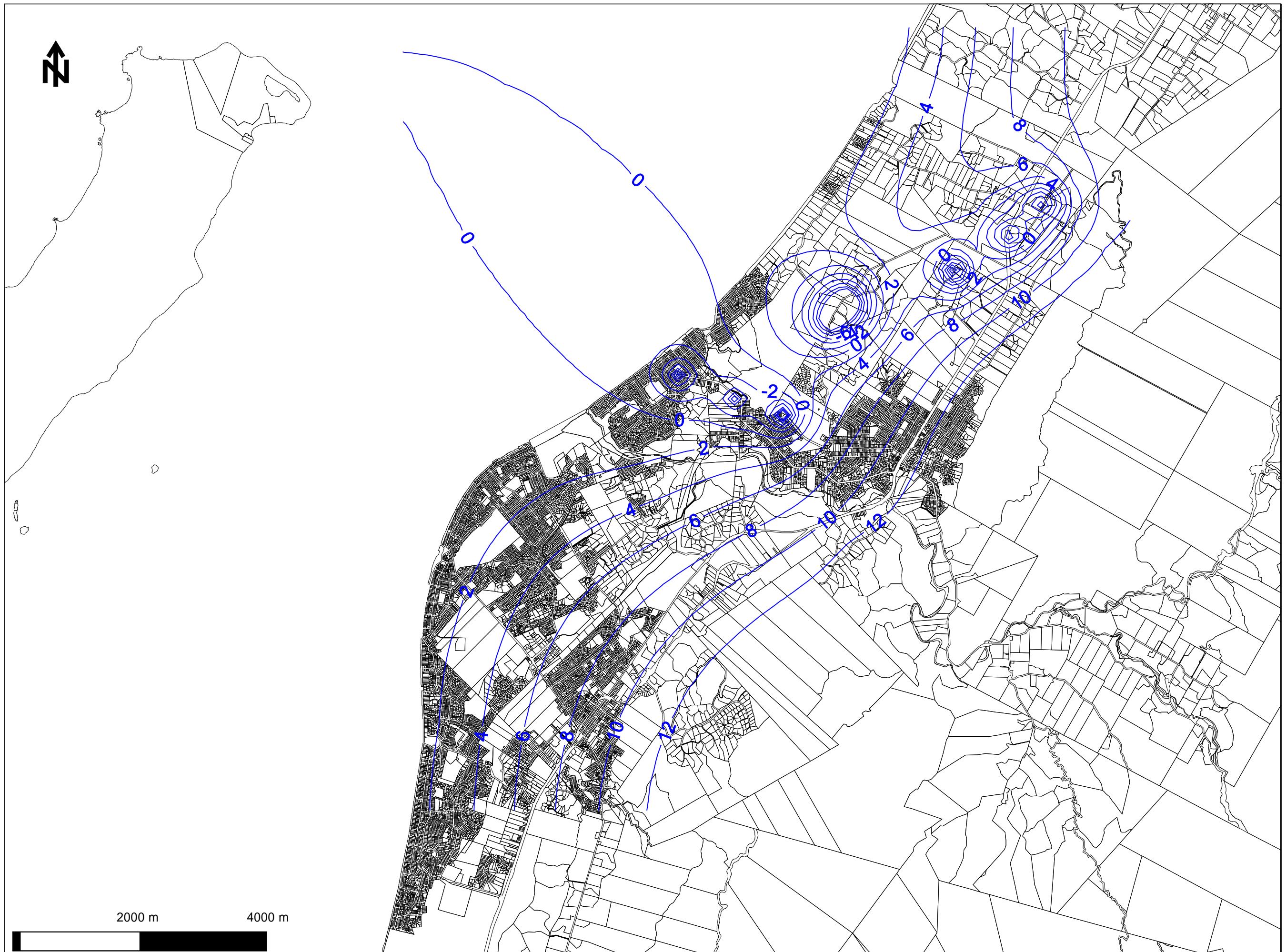
Appendix E2. Head equipotentials in the shallow, unconfined aquifer after 60 days of abstracting 32,000 m³/day



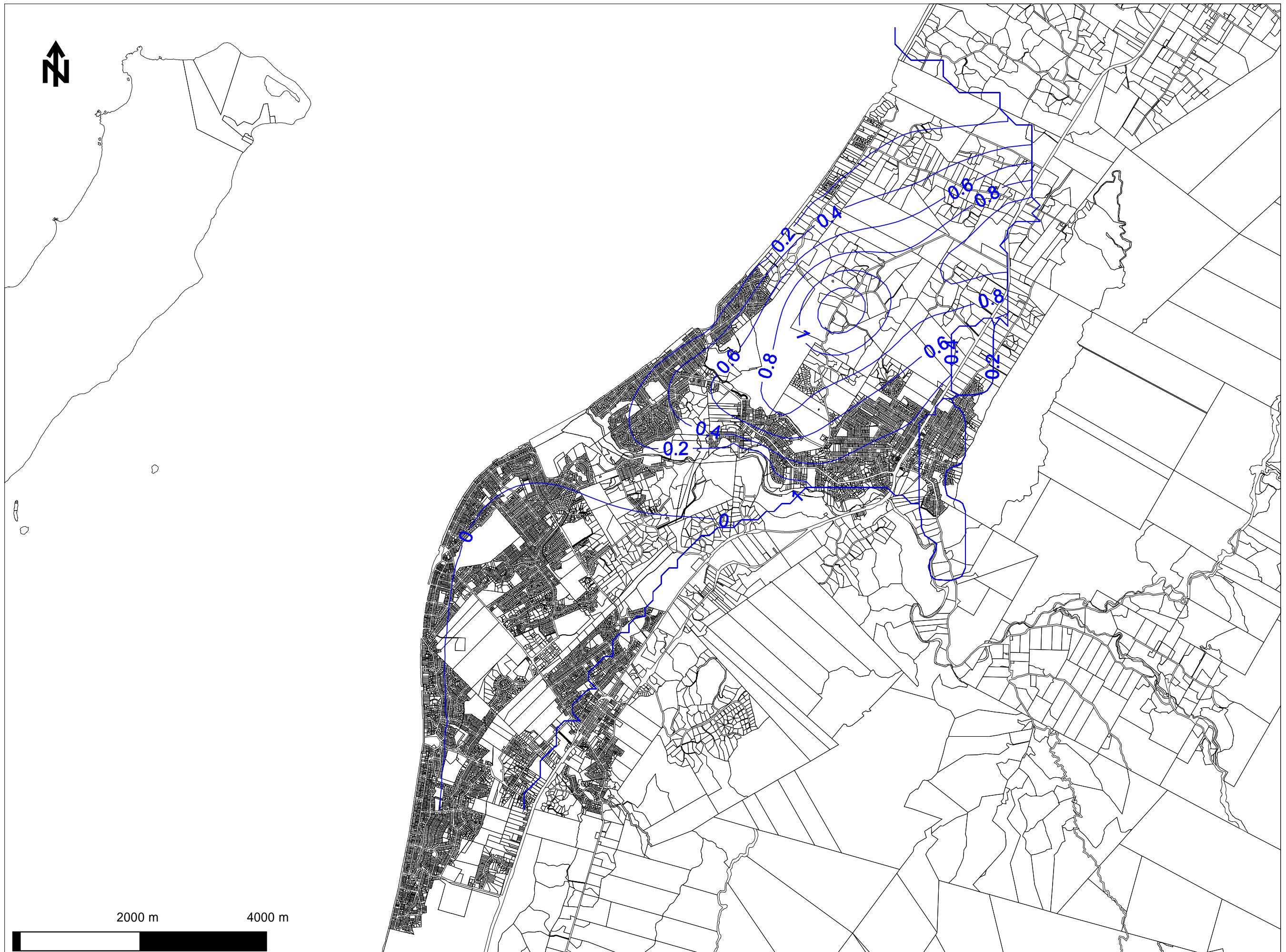
Appendix E3. Head equipotentials in the shallow, unconfined aquifer after 90 days of abstracting 32,000 m³/day



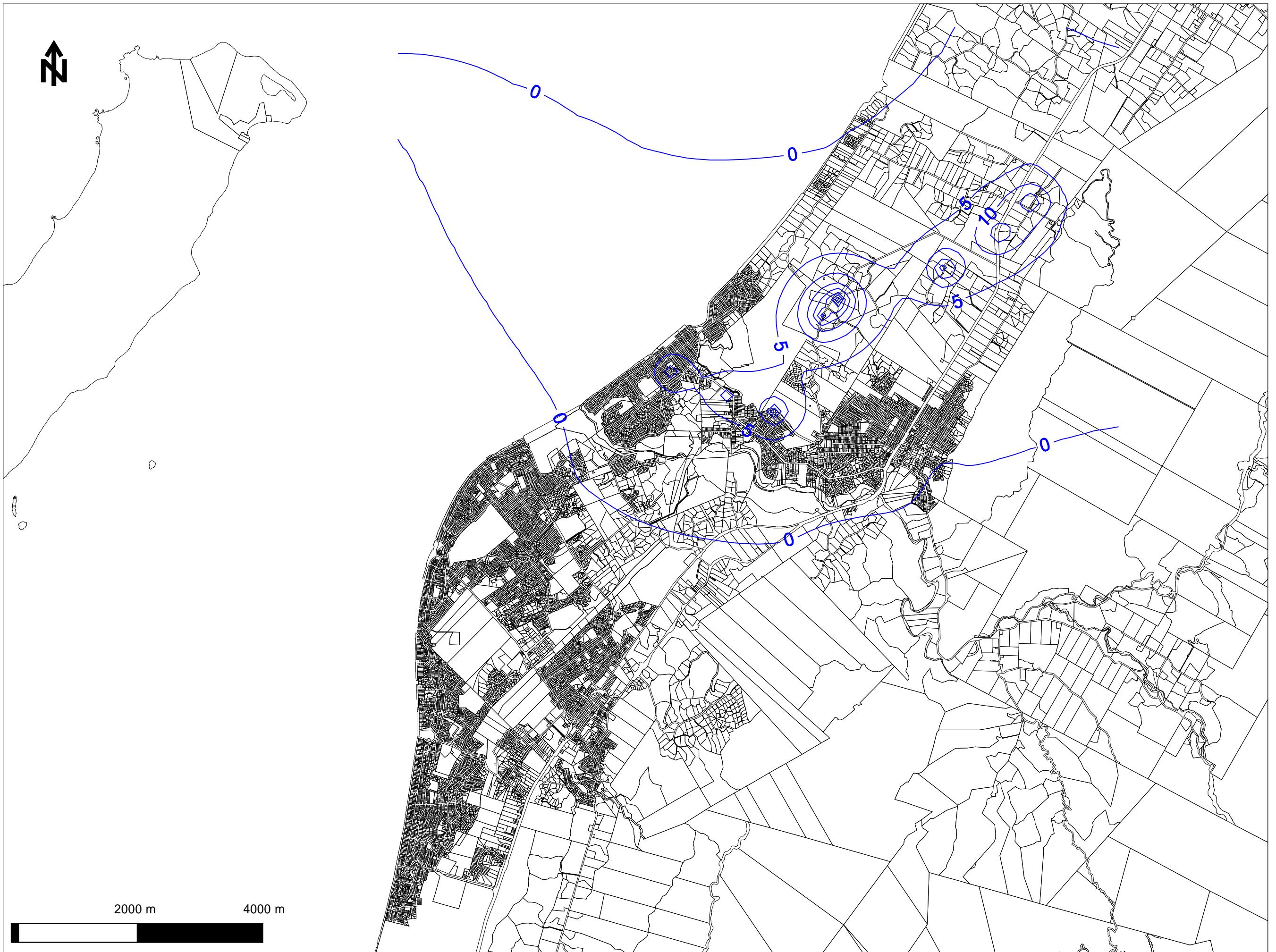
Appendix E4. Head equipotentials in the Waimea aquifer after 60 days of abstracting 32,000 m³/day



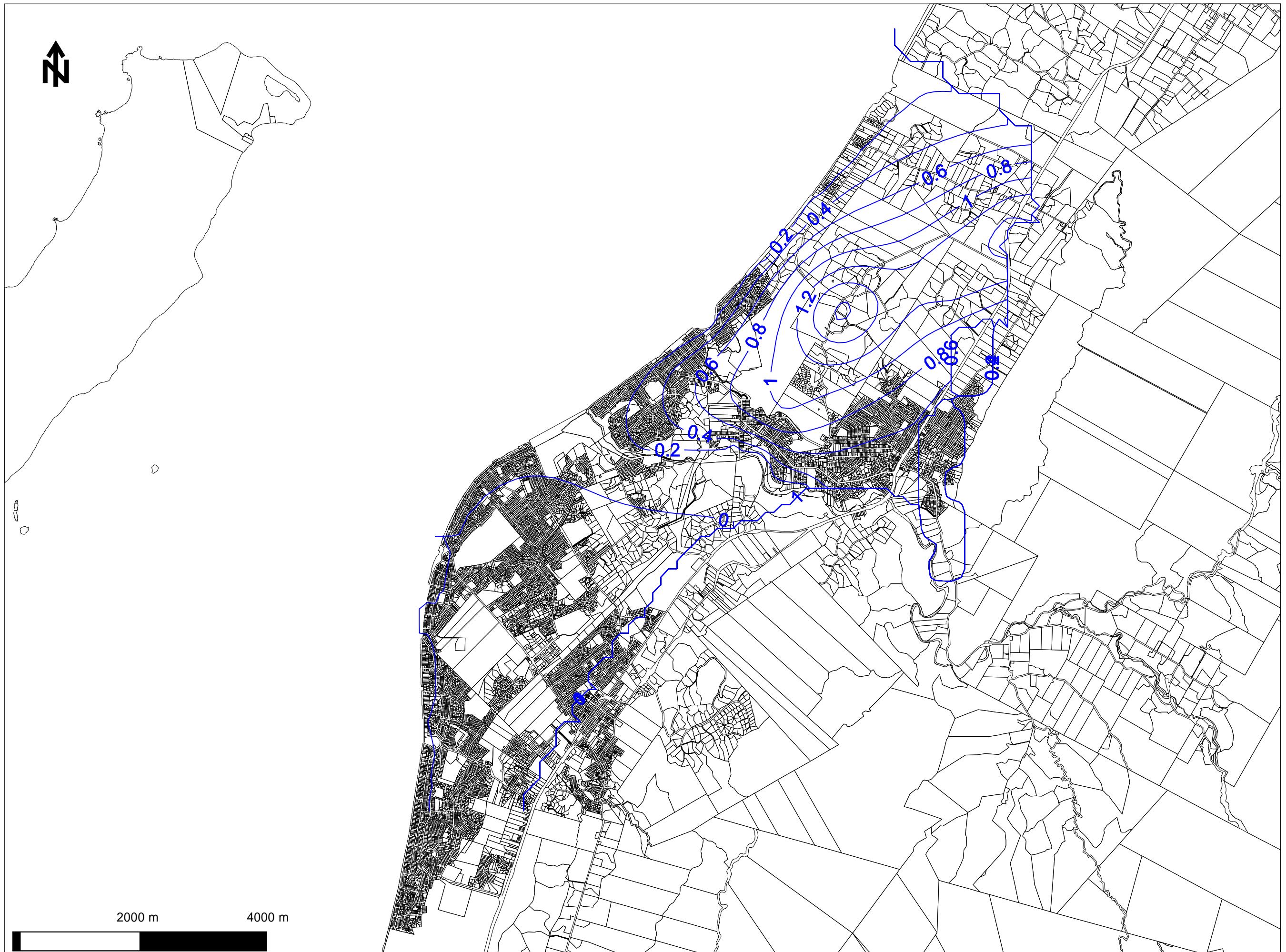
Appendix E5. head equipotentials in the Waimea aquifer after 90 days of abstracting 32,000 m³/day



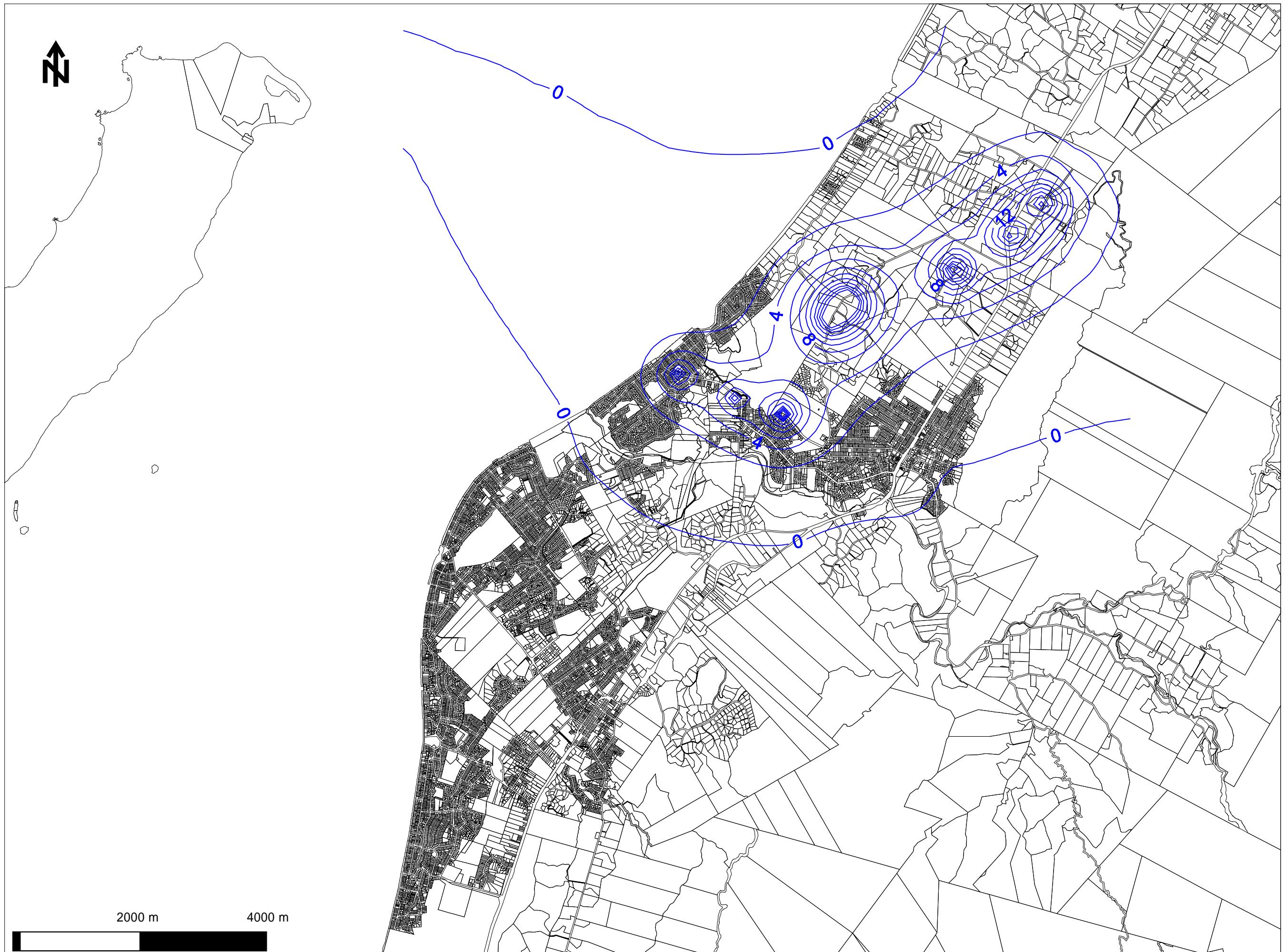
Appendix E6. Drawdown in the shallow, unconfined aquifer after 60 days of abstracting 32,000 m³/day



Appendix E7. Drawdown in the Waimea aquifer after 60 days of abstracting 32,000 m³/day



Appendix E8. Drawdown in the shallow, unconfined aquifer after 90 days of abstracting 32,000 m³/day



Appendix E9. Drawdown in the Waimea aquifer after 90 days of abstracting 32,000 m³/day