

EXPLICIT

y = 3 ft 3
b = 3 ft 3
H_L = h₁ = 8.2 ft 8.2 (T dt)/(S c (1-2*(T dt)/(S dy^2))
H_R = h₅ = 3.6 ft 3.6 K and Ss 0.46671 0.06657
K = 0.02 ft/day T = 0.06 ft²/d: 0.06 0.02
s = 0.00033 ft⁻¹ S = 0.001 1E-03 0.0003

initially, h₁ = h₂ = h₃ = h₄ = h₅ = 8.2 ft

for t>0 h₅ = 3.6 ft change yellow cell to time step size

Time Increment (days)

0.07			h1	h2	h3	h4	h5				% MB
pre 0			8.2	8.2	8.2	8.2	8.2				(in-out)*100
0	Vol in	Storage	8.2	8.2	8.2	8.2	3.6	Vol out	in		(in+out)/2
0.07	0	0.0064	8.2	8.20	8.20	6.05	3.6	0.0034	0.00644		60.87751
0.14	0	0.0034	8.2	8.20	7.20	5.91	3.6	0.0032	0.003434		6.001077
0.21	0.0007	0.0032	8.2	7.73	7.06	5.43	3.6	0.0026	0.003889		40.98089
0.28	0.0008	0.0019	8.2	7.64	6.61	5.34	3.6	0.0024	0.002697		10.22664
0.35	0.0011	0.0016	8.2	7.42	6.50	5.12	3.6	0.0021	0.002737		24.86257
0.42	0.0012	0.001	8.2	7.35	6.29	5.05	3.6	0.002	0.002229		9.087614
0.49	0.0013	0.0009	8.2	7.25	6.21	4.95	3.6	0.0019	0.002178		14.09333
0.56	0.0014	0.0006	8.2	7.21	6.11	4.91	3.6	0.0018	0.001953		6.435153
0.63	0.0015	0.0004	8.2	7.16	6.06	4.86	3.6	0.0018	0.001901		7.64056
0.7	0.0015	0.0003	8.2	7.13	6.01	4.83	3.6	0.0017	0.001796		4.038767

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