

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 0.93343 -0.8669
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)

			h1	h2	h3	h4	h5			
0.14			8.2	8.2	8.2	8.2	8.2	% MB		
pre 0			8.2	8.2	8.2	8.2	8.2	<u>(in-out)*100</u>		
0	Vol in	Storage	8.2	8.2	8.2	8.2	3.6	Vol out	in	<u>(in+out)/2</u>
0.14	0	0.0129	8.2	8.20	8.20	3.91	3.6	0.0009	0.01288	175.0328
0.28	0	0.0009	8.2	8.20	4.19	7.63	3.6	0.0113	0.000857	-171.74
0.42	0.0105	0.0113	8.2	4.46	11.14	0.66	3.6	-0.008	0.021754	443.4123
0.56	-0.0168	-0.019	8.2	14.19	-4.88	13.19	3.6	0.0268	-0.03547	1444.334
0.7	0.0487	0.0436	8.2	-9.20	29.78	-12.62	3.6	-0.045	0.092324	587.4754
0.84	-0.0986	-0.094	8.2	43.43	-46.19	42.10	3.6	0.1078	-0.19278	707.4947
0.98	0.2276	0.2064	8.2	-73.10	119.87	-76.25	3.6	-0.224	0.43408	624.8174
1.12	-0.4892	-0.451	8.2	182.91	-243.31	181.35	3.6	0.4977	-0.94041	649.6629
1.26	1.0814	0.9869	8.2	-378.02	550.93	-380.96	3.6	-1.077	2.068295	634.3776
1.4	-2.3559	-2.158	8.2	849.59	-1186.02	847.84	3.6	2.3639	-4.51406	639.7522

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